## 

Vol. XXIII. No. 19

## BUTTERFLIES AND MOTHS

" saw a pansy with wings flying about our garden!"
How hard to improve on the child's description! Light and filmy as the petals of a flower, and as flowers and the sunshine, swift and soundless in motion, like a ray of light -for these things, and not alone for its wondrous changes; the Greeks called the spirit, and made it the emblem of immortality
Its transtormations have been the unceasing wonder of the ages, and modern science does not mak them less amaz ing. Beginning as a crawling worm,
always unsightly and often hideous, tlen spinning its own shroud or slinging itself by silken bands from some
support, it passes into a state of apparent death, remaining foodless, motionless and seemingly devoid of all sensibility, suddenly to burst out into the airy creature that scarcely seems touches, and on which it never rests. Why should not the aspiring soul of man be able to transcend the limits of the material body, and even to come forth to fairer life from the mystery of
death? Such has been the universal and instinctive thought of man from the most ancient days. Over our fields and gardens and beside our dusty highways is flitting ever a living parable of resurrection and immortality
Once upon a time some little girls learned what catérpillars are good for. They conquered their repugnance to the cold, crawling things, and came actually to delight in them for the beauty that was to be. So when some dainty lady friend was sitting in a safe willow chair on the lawn, one of the young adrenturers would come tripping up, and crying, "Oh, auntie, see what before her eyes, to be greeted with a little shriek, a gathering of skirts, and cries of, "Oh, mercy! Ugh! Oh, how can you?" But their care would be rewarded by the most perfect specimens, often the first objects to greet their eyes on
waking, and just where they could waking, and just where they coi
study them to their hearts' content.


Leaf-butterfly (One half natural size)
In fact, collectors have now found this to be practically the only way in which perfect butterflies can be obained. When caught in the ficld even a few days old some of the delicate bloom has disappeared from their tinted wings, brushed off even by con tact with flowers and leaves. The rude net, despite the utmost care, damages the delicate structure still more. The light powder that stains the thumb and finger when the butterfly is carelessly seized is the frail creature's plumage, and the loss is as if we should rend handfuls of feathers from some captive bird.
"Why don't ladies wear them on their hats, they are so beautiful?" a lady said in the Metropolitan Museum, as she studied their exquisite hues.
"That has been tried, madam," re plied the curator. "An empress of Germany thought she could trim her hats with them, and took the greatest pains to make the experiment succeed. Sut the little creatures were so exceed-

Monarch, or Mileweed, Butterffy (Natural size)

its quiet elegance. Yet each fairy creature, like a leaf blown by the wind, has most delicate organs of sense and motion to sustain its life and make for its species a place in the world. Each has a long, flexible, hollow tongue, that can be thrust down deep into a flower to reach the hidden honey. The throat of the insect expands into a bulb that can be enlarged by one set of muscles and compressed by another set, while a valve keeps any liquid that once enters from going back. So this bulb acts just like the bulb of an aspirator or atomizer, only that instead of spraying the honey pumped up through the ongue it sends it safely on to the stomach of the owner. We have only nvented our pumping bulbs of indiaubber in the nineteenth century after Christ, while every butterfly and moth has had one of living flesh to drink has had one of living flesh to drink nectar from the fowers in the ages ong before. The mechanism was as perfect in Homer's day as now.
This wonderful tongue has another peculiarity. When not in use it is coiled up tight and flat as a watchpring, safe from injury. Butterflies and moths alike begin life as caterpillars, and pass through the chrysalis stage, to reach their perfect development in the imago, or winged insect. All alike have four wings and six legs, and the wings covered with the microscopic scales already described.
ingly delicate that she had to give up the attempt.'
Both buttcrflies and moths derive their scientific name from this dust-like plumage. They belong to the order of the Lepidoptera-a name derived from two Greek words meaning "scale" and "wing.", We might call them the "scalewings." Under the microscope these scales are found to be various in shape, but perfectly fashioned, and each bear-
ing some part of the tints of which the ing some part of the tints of which the brilliant, or at least elegant, plumage is made up. The scales overlap like the a bird, and the loss of any large number seems to be felt, impairing the activity of the creature, as well as damaging its beauty.
As a rule the plumage of the butterfies is the more brilliant, though that of the moths is often very beautiful in

But from this point the differences antennae-that is, the little feelers which project like horns from the head fhich project like horns fre the head the butterfly, whilc those of the moth are of various other shapes, but not clubbed or knobbed. Butterflies usually fly by day, moths usually by night. Butterflies rest with the wings erect est with the wings outspread, either quite flat or sloping outward and lownward like the sides of a roof. Butterflies are of every color, from pure white to jet-black. Often most esplendent hues are lavished upon them, as in the great blue Morpho, blue as the sky, or the opal Morpho, that gleams like mother-of-pearl and then es hue with every new angle from [CONTINUED ON PAGE 6 OF THIS ISSUE]

FARM AND FIRESIDE
The Crowell \& Kirkpatrick Co. 147 Xaseu Sitreen $\begin{gathered}\text { OFFICES: } \\ \text { Springfield, }\end{gathered} \quad 204$ Daarborn Stroeth Yew Tork City Chieago, Illinous
 the avove-mentioned be marked EDTTor.


The Advertisers in This Paper Ne believe that all the advertisements in this paper
are rrour reiliahe firms or husiness men, and do not
 to he otilerwise we sliouid he glad to know it. Alwwas
mention this paper when answering advertisements, as advertisers ofteu have different things advertised

## 

Uudee Wilitan K. Townsend, of the United States District Court for the y rendered an important decisiou on the political status of Porto Rico, iu the case of a tirul of importers who protested against paying tariff duties on tobacco imported from Porto Rico on the ground that Porto Rico was not a foreign country, and that it was unconstitutional to impose duties on
goods carried from one part of the United States territory to another.
The decision concludes as tollows:
The treaty cannot be considered unconstitutional, therefore, on the
ground that we have uo right to govern territory without any restraint, and, perhaps, cannot violate anywhere
the negative provisions of the Constituthe negative prorisions of the Constitunary civil rights. If the treaty-making powers acquire territory, aud Congress
wishes to hold and govern it in accord with constitutional principles, yet without bringing it into membership in the Union, and without subjecting it to our national taxation, there seems no valid be done. It may be best for us not to make its citizens fully our citizens; it
may be more just toward it not to submay be more just toward it not to subject it to paying its share of taxation. bacco and rum industries, such share would probably be out of all proportiou
to that paid by other districts. Unless to that paid by other districts. Unless
we tax her for national purposes there is no just claim on her part for the
protection of the constitutional proprotection of the constitutional pro-
visions for uniform taxation. If we consider it for our own and her best in-
terest to keep her apart from the land terest to keep her apart from the land
which must bear the burden of tax-
ation, why slould we not have the
power to do so? It may be the only power to do so? It may be the only
just course to pursuc. Thus, wisest
statesmanship and highest consideration for the rights of neople under our
charge may influence us to refrain from charge may influence us to refrain from making ceded territory part of our na-
tion. tion.
"That we have the power to govern
without the obligation of uniform tax-
ation may be an unfamiliar proposition,
but it is so because we have never bebut it is so because we have never be-
fore had occasion to use the power to fore had occasion to use the power to
the same extent. The Constitutionmakers may not have thought of it, yet, as we hare seen, it is an incident of full sovereignty commonly exercised at the time the Union was formed; one which is now prohibited to the states, and so must have passed to the federal government with the power to make war and treaties to which it is incident. For the framers of the Constitutiou intended that iustrument not as a limitation upoll the freedom of the new foreign affairs; not as a check to growth, but as the organic law of a nation that can live and grow. To deny this power to gorern territory at arm's length would be to thwart that intention to make the United States an unfettered sovereign in toreign affairs. For if we wage war successfully we
must some time become, as many thiuk we are now, charged with territory which it would be the greatest folly to incorporate at once into our Union, making our laws its laws, its citizeus making our laws its laws, its citizeus
our citizens, our taxes its taxes, and which, on the other hand, international which, on the other hand, international considerations and the sense of our re-
sponsibility to its inhabitants may forbid us to abandon. The construction of the Constitution which would limit our sovereign power would force us into a dilemma betweeu riolating cur duty to other nations and to the people under our care on the one hand, and violating our duty to ourselves on the other. That construction would in such case imperil the honorable existence of our republic. It could not have been intended by those who framed our Constitution that we should be borm a cripple among' the nations.
'There has been found, then, no reason, either on principle or authority Why the United States should not accept sorereignty over territory without admitting it as an integral part of the Union or making it bear the burden of the taxation, uniform throughout our nation. To deny this power is to deny of sovereiguty an important attribute stitution is to make the federal gorernment a full sovereign, with powers equal to those of other nations in its dealings for the states in foreign affairs. If the United States have this power, and we Treaty of Paris is constitutional. It is unnecessary to determine what limitations may control us in governing such territory; it is sufficient that we have
the power to goveru it without subjecting it to the burden of our national taxation. There is, then, no ground for declaring unconstitutional the treaty of cession, which accepts sorereignty on the condition that the status of the ceded territory as foreign country shall
be preserved as it was shall determine it. The Treaty of Paris, then, is ralid. It left the political status of the inhabitants of Porto Rico unchanged. Their status at the time of the cession was, as declared by the
Supreme Court, that of inhabitants of Supreme Court, that of inhabitants of
a foreigu country as regards the Constitution of the Enited States and within the meaning of the tariff acts. The treaty of cession did not change that status. And as Congress had not acted at the time of this importation Porto Rico was still a foreign country in the sense of the tariff law, and duties were ported therefrom."

Brim S. Coler, comptroller of New lork City, in an address at the sity of Illinois, on political corruption in large cities, said:
"The great civic and political prob-
lems of this country to-day were born of the social condition that exists in intelligence and a higher standard of public honesty must be fought and ican institutions lurks anywherc on the brond and fertile prairies of Illinois or and honesty the inherent birthright of
"But in the great cities of the East
and the West, with their teeming, struggling, restless thousands, who,
tasting liberty for the first time, are prone to mistake it for the intoxicating icense of unreasonable freedom, there are problems that require for their just settlement the wisdom and patience of the best citizenship.
"Corruption in state and municipal government has too long been accepted in this couutry as a matter of course. There has been a growing tendency citizens to shipl public duties. Thed citizens to shirk public duties. They
wanted to keep out of polities and public life, but in keeping out they made room in both places for men who ought o be in jail.
"Political machines, so called, have been created in states and cities; the franchises and public utilities that were the property of the people have been made the circulating medium between dishonest politicians and unscrupulous corporations. In the large cities of the country the people lave been in the habit of sulmittiug to bad government until it got beyond the stage of endurance, when they would rise up in their might and put the other party in power, and then go about their private affairs, believing, perhaps, that they had done all that good citizens could do.
"Create in any state or municipality impression that a political pull will pass a bill or pare the way for the payment of an unjust claim, and the seeds of political dishonesty have been planted deep in fruitful soil, where they will sooner or later bring forth a harvest of corruption. Already the impression is wide-spread that the rules of houesty deemed necessary in private business life need not apply to the public service. Too many politicians hold that it is legitimate fruit of partisan victory to make money out of the pubic treasury
'This condition of public opinion or party feeling is dangerous to private as well as public interests. Wherever the knowledge of corruption in high places is spread through the business community personal honesty and integrity will be weakened just as surely as slow poison saps the ritality of the human poison
"Let the impression go abroad that political influence will obtain business advantages, and the first inupulse aroused is a determination to obtain ligation crented avor gramess adrantage obtained trom a politician calls for a campaign coutribution, and the next faror is too often a cash transaction.
"Wheu the cohesive power of coruption has made political influences trong enough to defy public opinion they will oppress the business interests they cannot blackmail, and representative government is then in danger.
"The old system of stealing from the public treasury has passed away, and the safer and more profitable plan of bartering political influence for' cash or stock in corporations has succeeded. But while the politicians liare been improving their methods the people have been learning some valuable lessons. The old method of trying to reform bad government by turning out one set of politicians and putting ' in another set is no longer popular. The people are beginuing to understand that the government under which they live, in city or state, is going to be all the time
very mucl what they make it. If good citizens neglect their civic duties, the politician will take the offices and ererything else that is not chained down."

IN A recent number of "Harper's the "Boxers." by Prof. Isaac Taylor Headland, of the Peling University.

The present condition of aftairs in of conditions which began more than a year aco. The province of Shautung and Honan liave always been the center not only of learning and of great men (Confucius and Mencius having been born
there), but also of secret societies, and which is at present disturbing China and especially Pekiug.
"The society called Bovers originated many years ago, and is of a twofold or perhaps a manifold character. It is partly athletic, and partly moral and religious. As an athletic association it goes under the name of the Big Knife Society (Ta Tao Hui), and as a moral or religious society under the name of Righteousness and Peace Fist. It is mized for the most part in the rural and village districts, and, it is said by the officials, is for the mutual help and protection of the country peoplehelp in times of faruine, and protection cessity against oppression of araricious cessity ag

After describing troubles between the Catholic Chinese and their nou-Christian neighbors, which developed intense tians of forcigners and natire Chris ians, Prof. Headland goes on to say: Boxier year ago the society of keepers of the perce to a band from rauders, robbing, murdering, pillaging and looting all the Christialr villages in Shantung. They made no distinction Shantung. They made no distinction Wetween Catholics and Protestants. When they came to a village they their first business to discover whethe they had property or not. Where one had property and was influential they pelling contented themselves with compelling the man to buy theu off-that is, promising him protection in case he gare them a certain amount of silver which in some cases amounted to one hundred, one hundred and fifty or two hundred ounces. Where they were poor they compelled them to give whatever they had, and in cases of refusal they threatened to tear their houses dorm,
learing them shivering in the cold. The Roman Catholics were armed against them, and their churches were turned into forts or arsenals, and in one case a regular pitched battle occurred."

Regarding the outcome he says: "I was in Peking during the whole period of the Chinese-Japauese war, and I eren the seutimeut of the ommin, the protection of the foreigners. Even the most conservatire ofticials understand the power of foreign gorernments, the strength of their war-ships and the dariug of their soldiers, and they do not wish to come in contact with them at the present time. It is always true that they would rid themselves of all foreigners if they were able to do so, but they know they are not able. And this is not auy more true of one class than of another. They look upon the business men as cunning and araricious, the government officials as powerful and domineering, and the missionaries as harmless and troublcsome, and if they could build a wall which would keep them all out they would do so. ment I mean the sentiment of the party now in power-the Conservative party There is a large and powerful party of educated young men, who hare traveled and know the conditions of other gorernments, and the benefits of intercourse. who, if they come into power, will bring about a reformation in China such as would astonish the nations of the world--a party which would do a thousand times more than could be done by dividing China up among the avaricious, suspicious and jealous powers of Europe. If the Inited States Great Britain and Japan, the three powers which can best afford to do so, had taken Lord́ Beresford's adrice, and had said, or will say, that China shall not be divided, but must advance, they would have done more for the progress of the world than they have done by the two wars with Spain and South Africa.
"The outcome of the present situation it is difficult to predict. When a halfdozen dogs want a bone that is not easily divided they are much more in danger of quarreling with each other than of getting the bone, and I, for one the' European powers should than that China should be divided.'


Measuring Centuries $\begin{aligned} & \text { I have already paid } \\ & \text { the penalty for med- }\end{aligned}$ dling with an unsettled, question. A California reader writes to me quite
sarcastically about my conversion to sarcastically about my conversion to
the Old World plan of measuring time. That the year 1 should be the second year of the Christian era is indeed peculiar, etc." So it scems. It seems peculiar, too, that the years which be-
gan with 1800 should constitute the nineteenth century. And yet such is the case. To me it seems absurd to apply altogether a different principle measuring space or temperature. The best way to figure this out is on an ordinary thermometer, taking zero as ordinary thernometer, Chisth. And yet
the year of Christ's birth. here is the cause of the whole trouble.
Shall we call the year of that event Shall we call the year of that event
zero, or shall we call it 1. If we call zero, or shall we call it 1 . 1 , then our Christian era is made to begin more than eleven months before Christ's birth; yet we say the year 1 after Christ's birth. The jear 1 after
Christ's birth would also be the year 1 before Christ's birth. In short, we find ourselves beset with various difficulties. Perhaps the matter is largely one of agreement; but the most sensible way, and by far the most to measure time as we measure the temperature. Accept a zero-point (or zero year, the Accept a zero-point of Christ's birth), and count along year of Christst in both directions.
$\begin{array}{ll}\text { Hen-mites } & \begin{array}{l}\text { One of my neighbors } \\ \text { keeps a pair of rabbits }\end{array} \\ \end{array}$ and Rabbits as a remedy for the henspider. He says his poultry-house used to be overrun wackers (as, in fact, most of the poultrysuckers (as, in fact, mostontry are). A
houses all over the countren Western agricultural paper once told him that rabbit manure was a sure remedy for the pest, and so he keeps his rabbits in a $p$, Now he has not seen a hen spider or
mite in a long time. I give this for what it is worth, but I confess I shall rely on spraying (or soaking, if necessary) with kerosene rather than on the
rabbits. But if the assertion is founded on fact, then the Belgians have scored another point in their favor.

## Tamuing Bel-

One of our readers,
glan-hair Skins A. Washington, writes me that he has tanned and dressed thousands of skins, and gives the following receipt for tanning light hides of all kinds: "Take one gallon of soft water and three pints of wheat-bran. Mix, and let stand und one salt, stirring Then adis one dissolved. Then add slowly one fifth of a pound of sulphuric acid, stirring all the time. Place the hides in this liquid, and handle them until saturated. with the mixture. This tan imparts no color to the leather. When properly prepared the tanning-liquid
has a pungent, sour taste, sharper has a pungent, sour faste, sharper so strong as to injure the tongue or the hands in handling the slinins. Light hides should remain in this from four to twelve hours. Then rinse in soft water, and wash in a suds made of one ounce of borax, two ounces of salara-
tus and one pint of old soft soap. This tus and one pint of old soft soap. This may be rubbed into the fur or wool; then wash the suds out and hang the
skin in the shade. When half dry apply the oil. This completes the tanning If you desire, I "will tell you how to have the whole of it.

Orchard Pollinations Some of our read-
member Mr. Wier, first of Illinois, then of California, the man who first pointed out in a practical way the singular be-
havior of the Wild Goose plum, which often bears well when standing alone at the South, but is invariably selfsterile at the North. I believe it was
this discovery which led to the recent investigations about the pollination of
orchard fruits, It is now more than a vinced of the advisability or necessity vinced of the advisability or necessity
of mixed planting-that is, planting different varieties together rather than one variety in big blocks-and as early as that I have often and earnestly rec-
ommended such a course. The Cornell ommended such a course. The Cornell
University experiment station has just University experiment station has just 181). In it Prof. Roberts says: "The study of pollination in orchards is made necessary by the rise of commer cial fruit-growing. When fruit is grown only for home use, or in small areas for a local market, there is not likely to be serious loss from imperfect pollination; but in large commercial orchards any general unfruitfulness from this source is quickly noticed. The comthe most important single factor in the most important single factor in gmerican horticulture, and with its in the liability of loss from imperfect pollination."
The past season of blooming has seemed very favorable to fruit setting. There was no rain, and most of the time a comfortable temperature. Some of my apples and most pears have set fruit abundantly, even where standing in large blocks of one variety only. At various times I examined the trees dur ing blooming, without being able to see a bee or other insect working on the blossors. No dotbt, hing over, about the fruit setting, especially on early-summer apples, Gravensteins, also
Baldwins. I have a block of Twenty Baldwins. I have a block of Twenty
Ounce apples which have borne more or less freely during the past two years They bloomed very full this year, but I now find only few apples on them. Was the pollen lacking, or the insects Not far from this block is another large one of Greenings. These also have se only sparingly; and the question in my mind now is whether these Greenings would not do better than they have done for many years if another kind were planted with them, or top-grafted with some of the trees.
rriers The following is
a quotation from the bulletin: "The pollen of one vari ety is carried to the pistils of another in two ways-by the wind and by insects. There are many kinds of insects Which aid in the cross-pollination of orchard fruits, principally bees, wasps eral species are probably the most im portant. In a wild thicket of plums or other fruits they are usually numerous enough to insure a good setting of enough to insure a good setting of
fruit. But ferr, if any, wild bees can live in a large orchard, especially if it is well tilled. As the extent and thoroughness of cultivation increase the number of these natural insect aids to cross-pollination decreases; hence, it may become necessary to keep domestic honey-bees for the purpose.

Summary on
In its summary the Pollination bulletin states tha scarcely one fruit blossom in ten sets fruit, even in the most favorable seasons and with the most productive varieties; that much of the unsatisfactory fruiting of orchards all over the country is due to self-sterility, a tree being self-sterilc if it can not set fruit unless planted near other varieties; that self-sterility is not constant character with any variety, and the same variety may be self-sterile in one place and nearly self-fcrtile in another; that the loss of fruit from self-sterility usually may be prevented by planting other varieties among the self-sterile trees; that poorly nourishe trees are more likely to be sterile with
their own pollen than well-fed trees their own pollen than well-fed trees
are. All these observations lead to the are. All these observations lead to solid blocks of any one variety, but rather mix them intelligently. Where orchards are already established on the
faulty plan indicated it may be prof-
itable to put a few grafts of other varieties in each tree, or at least in some of
the trees, all through each block. Also the trees, all through each block. Aso
give to the trees food enough for healthy growth, yet not an excess of nitrogenous matter which would overof fruit production. T. Greiner.

## SALIENT FARM NOTES

Moving west A neighboring farmer to sell out and move West the coming fall. He is doing fairly well where he is, but thinks he can do better farther West. I asked him what advantages he would secure by going to a country entirely new to him and among strangers. He said that he wants more land He is penned in, he declares, by men He is penned in, he declares, by men tho will not part with a foot of land at a reasonable price, and as he is no
satisfied with the amount he has he thinks it will pay him to go where land is cheaper and men more ready to part
with it. The question that arises in my mind is, Will it pay him in the long. run? He has a very comfortable little farm, a fairly good house, outbuildings, wells of good water, orchard, etc. He knows every foot of his land and how it must be worked for the best results. He has a good market for every thing he grows, coal is abundant and cheap, and for at least seven months He is surrounded by relatives and friends who would quickly come to his aid should he be in trouble or distress. In moving he goes to a country new to him, a different climate, away from cheap fuel, farther from market, on a farm that he does not know, and among strangers. He will lose at least two years in learning his soil and climate, and as he is not young that will count. He can take all of his principal tools, vehicles, household goods, animals and fowls with him, but not the thousand and one odd scraps and bits that one finds so useful, and these he will have to buy. The expense of moving will
be large and the labor will be great. He be large and the labor will be great. He
may like to be among new people for a time, but one soon becomes hungry for familiar faces and voices. He will gain the advantage he seeks-moreland-but with it will come more work.

Contentment joined with good common sense is a valuable heritage. Unrest breaks up homes, scatters families and friends, creates landlordism and ruins a country. The moving away of a friendly, neighborly, energetic, enterprising man or family rouses the demon of unrest in a hundred breasts. People begin to ask themselves why they should remain where they are. Cherished things lose their attractiveness, and a longing for new fields, for some indefinite thing "avvay off," takes pos-
session of one, and naturally he talks session of one, and naturally he talks
much about moving. The shrewd land much about moving. The shrewd land magnate sees his opportunity and comes with cash offers, the old home is parted with, and one of the magnates in a short time most of the shade-trees and "flowering brush and trash" is cleared away and we have a typical tenant farm. I well remember the return of a young lacy who had been
visiting the old neighborhood after an absence of twelve years. "I don't want to go back there again, and I never will!" she exclaimed, decisively. "You wouldn't know our old home. Oh, my! don't ask me about it; I don't want to tell!" And all she would say was that it was a ruin. Contrast this with the remarks of a married lady who had just returned from a visit to her brother, who is living in the old home. She had been absent nine years-she said "almost a century!" "Yes, the old place still more improved. It is the prettiest, dearest old place in the world. The dearest otd place in the world. The thing it always was; furnished a little more modern, maybe, but all the rooms look as familiar as ever. Another barn has been built a short distance from the old one, and there are more fences and yards, but still it looks familiar and well cared for. There's a new school-house on the hill, lots nicer and
more complete than the old one, ánd
the same big old trees stand guard over the playground. Back of the grove
is the same little 'shady nook by the running brook,' where we used to have our playhouse and make mud pies. Oh, it is thic best and loveliest old place in this world, and Tom's little girls are playing where we used to, and about the same as we did!

Land Fertility
D. A. W.,
somervhat

Kansas, is doubt that one homervired bushels of corn can be grown on one acre. He says that where he lives (Brown county) one man with four horses, a lister and a cultivator can put in and tend eighty acres as well as twenty. He says they grow corn on the same land year after year and use no fertilizer, and their yield is forty to sixty bushels of shelled corn to the acre. He las land that was planted to corn in 1876 and has produced a crop corery year since.
I do not question his statements. They merely show what a magnificently fertile soil we have in some portions of this country, and how it is abused. About thirty years ago I saw an Illinois fariner hauling manure from his stables and dumping it into a creek to get rid of it. Twelve years later he
sold out to pay off pressing debts, and went my old neighbors built a nice barn, and after pulling down his old stables, some distance away, he set fire to the vast accumulation of manure, then quite died and burned over two weeks. He died about fifteen years afterward, ard the farm was sold under foreclosure, and neighboring farmers poked fun at my neighboring farmers poked fun at my
father for "wasting time and labor" in father for "wasting time and labor" in
making and drawing out manure on his making and drawing out manure on has
farm. They declared that the land was rich enough, and that manure only made weeds grow faster. When the farm was sold by his heirs it was
known as the most fertile farm in that locality, and it brought a high price. At that time nearly every farm in the neighborhood had changed hands, the former owners moving away in search of better soil-newer land. The Kansas man may be able single-handed to farm eighty acres and obtain a fair yield for many years, but the end is coming. Me will wake up some day and find himself the owner of a farm that is no longer productive; a farm that is no longer productive; a farm that
has been ruined by his own wasteful has been ruined by his own wasteful
methods. Then after a short struggle to hold his own and make a living he will leave to his successors the slow, laborious and expensive task of par-
tially restoring to the soil the life and tially restoring to the soil the life and fertility he robbed it of.
If one is so fortunate as to own a farm teeming with fertility, such as this Kansas man boasts of, it plainly is his duty to so manage it that this great his duty, as an intelligent man and farmer of this day and age, to keep the land as fertile as he found it. And if land as fertile as he found it. And if
he is a thorough farmer and one worthy of his profession he knows how worthy of his profession he lnows how states we have learned that our land must be fed and rested.

Those who have adopted the intensive system of limited area, thorough culture and scientific fertilization are the who grow the great crops that so tax the credulity of the common "average" farmer. Some of them obtained their agricultural education on little rocky farms in the East, others right here at home, and they know what must be done to maintain the fertility of the soil and grow maximum crops, and they do it. Many a cfarmer knows
better than he does, and for that rea son never rises above the average.
Wlien a man linows how many stalks to the hill and hills to the acre are required to make a yield of ninety bushels, and plants so that he knows positively that he will have that num-
ber, he is not far from being an expert; ber, he is not far from being an expert;
and if his soil contains sufficient fertility to grovv and mature such a crop, he gets it. An expert farmer knows
very nearly the capacity of his soil, and seeds accordingly. He does not try to produce eighty bushels on forty-bushe land. But when he has eighty-bushel land he makes it prodnce the eighty
bushels.
Fred Grundy.

TOUR FARM

## farm theory and practice

 he White Grub.-In the last two complaint of damage to crops from the white grub. I do not believe that there are sure methods of destroying the grub in the ground, and about the best we can do is to understand their life-history, and thus toerade their attacks as far as possible. erade their attacks as far as possible.
The use of ashes, salt, sulphur, etc., to The use of ashes, salt, sulphur, etc., to
malie the roots of plants distasteful to make the roots of plants distasteful to
them is not a success, as a rule. Some knowledge of their life-habits enables us to sare ourselves oftentimes from serious loss: They are the larvae of the May-beetle, which comes out of the ground in May or June. The beetle lays its eggs within a few weeks after
appearing, and usually chooses a clover or grass sod for this purpose. The eggs are placed an inch or two below the surface of the ground, and when the young grubs hatch out, within two
weeks or so from the time the eggs are deposited, they feed upon the roots of the plants until cold weather. This
first year they are so small, and the first year they are so small, and the
grass-roots are so numerous, that no particular damage is noticed by the farmer. The winter is spent deep in the ground, and in the spring of the second year the grubs come up near the surface again, ready for feeding. They again until cold weather they go down below danger of frost, and the next spring begin the third year of their spring begin the third year of their
lives as large grubs. Late in the sumlives as large grubs. Late in the sum-
mer they pass through the changes necessary to become beetles, and usually remain as beetles in the ground until May of the next year; three full years
for development. Then comes the egglaying period, followed by death.

Preventirg Serious Loss.-We hare seen that there may be in the same field the baby groub, the one-year-old and the two-year-old. None of these will be the conditions in that field in June farorable for the deposition of eggs. In years that the May-beetles have been as numerous as they have been in many places the last four years, land intended for strawberries, potatoes, truck and other costly crops should not be left in
sod throughout the summer. I find it sod throughout the summer. I find it
practicable to grow an occasional sumpracticable to grow an occasional summer manurial crop in place of a clover
or grass sod, to give fertility to the land wanted for these expensive crops, and the absence of a sod in June, or the turning under of the fertilizing crop early in the fall, sares from an attack of the grub. I think it is the unfarorable conditions for the deposition of theeggs crop that gires immunity from attack. in growing late potatoes we learn not to fear the presence of the large grubs
when planting sod-land. They will cease to eat soon after midsummer, changing then into the pupae. It is
the middle-sized and the tiny ones that the middle-sized and the tiny ones that
will remain roracious feeders throughwill remain roracious feeders through-
out the fall when late potatoes are maturing. To kecp costly crops from injury by the grub we must either prevent the ground from becoming in-
fested in the way I have recommended from experience, or else keep these from experience, or else keep these
crops out of the infested land. The summer fallow, quick-growing fertilizing crops, winter cover crops and ferilizers instead of clover and grass for fertility drive the most of the beetles to fields where less restless activity in-
terferes with their work. A permanent sod best suits a pest that takes three
years to complete its life cycle. Catchixg Moles.-Nature has a won-
derful way of balancing accounts, and derful way of balancing accounts, and duly there comes a check through in whether it be other animals or only germs hostile to its welfare. The increase in number of white grubs has
been followed by an unusual increase
of the moles that feed so largely upon of the moles that feed so largely upon
them. The mole is called the farmers' friend, because it consumes insects. but
nevertheless I do not like its ways.

While it is burrowing for the grubs in lawn and garden it is often doing more
harm than the grubs could have done. Tee are admonished to befriend the mole, but just so long as it plays haroc with valuable plants by lifting them out of the moisture and breaking their root conuection with the soil it is accounted an enemy on this farm, and is treated accordingly. I observe that they make their homes in ground that is not disturbed, such as the lawn, and then have runs by which ther reach the cultivated ground, where the burrow ing is done seemingly at random. is at least one effective trap on the market, and when this trap is properly set in a run leading to a feeding-ground the catch is sure. There is the most activity after a rain, and at such a time I have caught threc moles in a single day with one trap. Ihey pass through their runs, picking up insects, in the morning, again about eleven o'clock and again about four oclock. The trick is to locate the main lines of trare leading out from their homes, and on these lines the catch is pretty sure. In times of drought the burrows run deeper under the surface, and often cannot be located from surface appearances.

## * * *

Better and Cheaper Poisons.-The use of arsenical poisons in killing insects has reached enormous propor tions. Paris green, already upon the market for other purposes, naturally became a farorite form of poison for the farmers' and fruit-growers' use The demand for it has led to adulteration, and we now know that Paris green is an unduly costly form of poison at the best. Unnecessary expense is involved in its manufacture, and a fixed amount of arsenical "kill-ing-power" can be gotten much more cheaply iu some other forms. Some of these are dangerous to plant life, be cause they dissolve in water instead of merely remaining in suspension, as does pure Paris green. But our experiment stations hare been working on the problem of cheaper poisons for the use of the farmer, and now recommend some forms that are as safe and effecgladly the green, and far cheaper. They who ask for it, giving specific directions that are safe to follow, and rery soon the public will cease spending itsmoney for low-grade Paris green at a high price.

STILES FOR FARM FENCES
In many places stiles are more economical in construction and in effic farm, it seems to the writer, should farm, it seems to the wiler, should be encouraged, especially in sections
where stone and stumps are used for where stone and stumps are used for
fencing material. The old-fashioned steps may be useful and perhaps best for certain conditions, but the stiles

described will be found better. All of them and several others less useful re in use in Bermuda, where almost rery fence is built of stone. The adthat they aroid steps or stairs, all being upon the level. The stlustrations, sufficient to conver flollowing, will be

Number one, which is the simplest,
consists of three posts, two set at the consists of three posts, two set at the
ends of the wall and the third directly ends of the wall and the third directly in front of the entrance. In number two an extra post is used separate
from the fence; two or three slats being nailed to these outside posts. Numbers three and four are self-explanatory. Number fire is placed where two walls join at an angle. The
arrows indicate the direction of principal travel. When placed in stone fences the ends should be protected from falling by setting posts as shown. These may all be so constructed as to be stock-proof. II. G. Kairs.

## THE EXPENSE OF FENCES

Farmers as a rule are too extravagant in building fences. It is not in the fences themselves that the loss comes in. Fences are a necessity, and a farm without good ones is a hard worl o manage; but, as in all farmshould be done before the fence is put up. If it is possible to get on without it, do so. Every fence on the farm wastes more or less land. The first cost of a good fence is no small item, but insignificant when compared with the expense of maintaining plus the value of the land which it occupies that will become almost useless. Erery man who has had experience knows that with a hedge-fence the soil for nearly a rod on each side will grow little of any crop. How much good land will be taken in by half a mile of that fence? What would be the value of the crop grown one year on that land? Multiply that by ten years, and add the wages paid out to a man during that time to keep the fence in shape, and you will be set to thinking by the result.
J. L. Irwin.

## VALUE OF BASIC SLAG AS A SOURCE OF PHOSPHORIC ACID

No fact is more apparent to the progressive American farmer than that phosphoric acid is being gradually exthe effort to restore it commercial fertilizers are now coming into such general use that the question to be considered is the one inrolving the cheapest source of supply. The substance in most general use which is used to replace it is superphosphate; that is, acidulated bone or phosphate rock rendered soluble by treatment with sulphuric acid, and that derived by a similar process from bone and boneblack. The discorery and use of basic slag in Europe as a cheap source of phosphoric acid has placed within the farmers' reach a product the use of not only in Europe, but also in this country:
Basic slag is a waste product from the manufacture of steel from phosphatic iron-ores by what is known as several names, as "Thomas' phosphate meal," "phosphate slag," ".basic slag" and "odorless phosphate." It is produced to a limited extent at Pottstown, Peninsylvania, and in large quautities in England, France and Germany. In those countries it is not only the cheapest source of phosphoric acid, but is regarded as a rery valuable product. It contains from fifteen to twenty per cent of phosploric acid, in the form of phosphate of lime, in connection with a omparatively large proportion of lime and oxide of iron. When rery finely ground the phosphoric acid is quite as active as that contained in fine bonemeal, and is especially suitable for clay
and sandy soils, and for meadows and and sandy soils, and for meadows and the renovation of pastures.
"Basic slag when properly prepared is now sold on the market for from $\$ 15$ to $\$ 17$ a ton, and contains from phosphoric acid. The lime that basic slag contains appears to be in excellent condition for producing a proper floceulation of soils. Its application to stiff, clayey soils would doubt less prore highly beneficial aside from in the application of this fertilizer we find a double benefit; first, the improvement which it makes in the physical condition of the soil, and second, by the

In general, the position regarding
uperphosphate manuring is similar in super phosphate manuring is similar in
some respects to nitrate of soda, inasmuch as it acts rapidly, while on the other hand the phosphoric acid of the basic slag, or "Thomas' phosphate," is particularly characterized by its reg ular and sustained activity. This phos enerally poor in phosphoric acid, whether they are sandy, marshy or mellow loams. Recently, during a dry summer, when liberal dressings of superphosphate had been applied at the time of planting, the crops at first deeloped quite vigorously, but when the standstill, and finally yielded much smaller harrests than uninanured fields. Such a result never occurs in the use of basic slag, and for tlais reason it is
worthy of more extended use where droughts are common in early summer or midsummer.
Of the various testimonials respecting the ralue of "basic slag" for growing superior crops, that of $\lambda 1$. John Wilson, of Hornby, Yorks county, Eng He says: "For the last five years I hare used the slag or phosphate powder, and every case it has given me good results. I have sown it on barley, wheat oats, beans, tares, clover, potatoes and turnips. I find it gives the best result when sown with the seed. I can safely say that it has doubled my produce wherever applied. I have tried it by the side of dissolved bones and other ton, and to my surprise it has proved superior. As a manure for orchard and garden its equal is not to be found."

Mr. E. L. I., of Northumberland coun5 , England, says in the "Agricultural Gazette:" "I hare been using basic slag siuce 1894, aud I have always found it to give the best results both with
clover-meadow land and oats, and this year I have tried basic slag on my wheat. In fact, it has given such good results that I have gradually gone over every acre of my farm, and propose to In December, 1894, I dressed a field, which was subsequently cropped with pounds of basic slag, excepting one corner of the field.'

Mr. W. Goodwin says in the Owestry "Advertiser," England, that "the Thomas' phosphate powder' is not onl a rich source of phosphate, but also of lime, which possesses the property of acting as a direct manurial agent, as rell as by its chemical action upon the soil, liberating, as it does, a rast amount of locked-up fertility not otherwise available, and by its action on the humus of the soil. The effect of the slag plıosphate on grazing pastures oth on strong clay lands neadows of North dressings, a luxuriaus three or four dine of fine herbare. Had the land been left in its natural Had the land been left in its natural condition, coarse, scant and sou grasses would have been produced.
The value of basic slag as one of the cheapest and most enduring sources for restoring or adding phosphoric acid to he soil is fully appreciated in the best agricultural scetions of Europe. It has become an indispensable adjunct to successful agriculture. Repeated trials and its increased use each succeeding ear attest its value for promoting the rowth of grass, clover aliarity of basic rops. A mase pecturity of basic ion which took place at a recent session of the Lincolnshire Chamber of igriculture. A six-acre field of almost rorthless pasture-land was given a ressing of two tons on two occasions. As a result the basic slag promoted a clover and leguminous growth, which in turn so increascd the growth of the finer grasses, such as foxtail, timothy, escucs, peas, etc., as to enable the keeping of a double amount of stock, and in better condition than ever before on a given acreage. It is an undisputed fact, where pasture-land has been treated with basic slag, that live stock of all kinds seem to have a natural raving for the pasturage, and invaribly fatten more rapidly than where phosphatic manure has not been applied.

NNOTES FROMR
ARDEN ANO FILLD Potent Pollen.-One of my
exchanges says that late bloomexchanges says that late bloometies of plum bloom very late and seldom bear any fruit. We have two
trees given to this vice, and the ax will trees given to this vice, and the ax will
feel for their roots in the fall." Without having further particulars about the case, I would suggest that this is
one of the instances of fruit failure caused by want of potent pollen. The remedy has been pointed out already in last issue. Find other varieties that these offending trees, or top-graft some of the branches with such other sorts. This will give the needed chances for cross-pollination, and probably make the trees set fruit more freely.

Slugs or Syayls iv the Garden.Sometimes slugs or snails attack our peas, corn, lettuee, celery and other
crops in great numbers, and do a good deal of damage before we are hardly aware of their presence. J. R. N., of
Costa county, Cal., asks me what will kill these enemies, or prevent them from destroying his vegetables. Few garden pests are as easily handled as these snails. They are extremely sen-
sitive to contact with lime, ashes or salt, and any application of these materials, whether liquid or dry, is quite sure to make an end of all snails that are touched by it. Snails have the hab-
it of feeding at night. They leave their hiding-places at dusk, and swarm al over the plants, riddling the foliage with greedy jaws. Then is about the
best time to attack them. Dust dry best time to attack them. Dust dry the plants, either by hand or with a good powder-gun, and the plants will be cleared of the pests in a very short
time. Lime, even in minutest quantity, brought in contact with the soft, slimy bodies will quickly dissolve the an left. Or you may take any kind of a sprayer, fill it with strong brine or with tobacco-tea, and spray it on the plants at dusk, and it will have the desired effect. For tender things which can-
not stand applications of salt, dusting with lime will be found the better way.

Crimson Clover and Cow-peas.-S. W. U., of Oberlin, Ohio, writes me that he has three acres of clay land now in
oats. He intends this for a garden next year; but the land is not rich euough neither can he get manure. The piece will be thoroughly underdrained. The
problem for him to solve is what crop problem for him to solve is what crop
to sow that can be plowed under and will furnish humus and plant-food. He contemplates planting cow-peas after the oats are off. I fear that it will be rather late for cow-peas to malke a after the oat harrest. If it is to be tried, however, I would suggest the use of an early variety and of plenty under, leave until spring, and don't be afraid to replow then, as the vines will have become well rotted by that time. Possibly crimson clover' may be even better for the purpose. At least it is worth a trial. Here I have succeeded in making some growth of this clover
when seed was sown in July. But it does not seem hardy enough to winter well on my soil. I sowed some in a
plum and chestnut orchard in Ontario county last summer, and it made considerable growth. Although it killed out badly, almost entirely, during thic winter, yet the soil appears to be great
ly improved; in fact, to such an extent as to encourage a repetition of the trial. If the land is really of a stiff to improve its texture by additions to improve its texture by additions of
loosening materials if the patch is intended for a permanent garden. You may be able to secure a lot of muck from a near-by low place, of course getting this out in a dry time and preferably exposing it to the weather for
arvhile before application, or first using awhile before application, or first using
it as absorbent in the stables. If sand can be had without going too far for it the addition of twenty to fifty or more
loads to the patch will greatly improv
it. I would also put on all the coa ashes and wood ashes I could get, and wood's-earth or chip manure, etc. Then practise thorough tillage, never plantvery lump has been reduced to a pow der. Aud after planting keep cultivators and wheel-hoes moving.

Late Potatoes.-I am making a trial in very late planting this year. One variety of potatoes I am yet to plant is a new early one, which I grow for eed purposes only (on contract). planted as late as the middle of July and under favorable weather coudition give ander favorable weather coudition. us here is the so-called early blight I usually have best success in avoiding erious loss from this source by plantng early sorts very carly. They have then a chance to make good tubers before the extremely hot and dry weather of August. Of course, these early patches are usually the first to catch the blight, as this comes when the plants are in full development and ather on the decline than otherwise and then when one patch is once af fected the disease is liable to spread to adjoining fields. For this reason it may not be good policy to plant early may not be good policy to plant early patches, although this is just what patches, although this is just whe and am doing this year.
Another important matter, and
Another important matter, and a
ask often considered somewhat diffitask often considered somewhat diffishape for late planting until planting time arrives. If kept in bins in the cel lar, in barrels or deep boxes, they ar sure to grow up in long, spindling sprouts, and thus weaken the potato for planting. I find that I can get around this rery easily and cheaply. I have put a lot of Commercials, which I think is now one of my best-yielding late orts, into bushel crates, filling them two thirds full and then letting them stand on the ground outdoors where hey have more or less sunshine. It vould be impossible to tell the origina color of these potatoes to-day. They are almost black. But every one of
them, clear down to the bottom of the crate; has those fine, stubby sprouts that are so greatly desired by all experienced growers, and all these tubers appear plump and fresh. When planted they will make a quick and vigorou rowth. The other variety was onl just received in barrels by freight, and the potatoes had been badly sprouted. Before planting them I am subjecting them to the same treatment as the Commercials; namely, exposing them to more or less direct sunlight in open to more or less direct sunlight in open
crates. I shall try to develop those same short sprouts before putting same short sprouts before putting
them into the soil, even if this compels me to plant very late. Possibly by me to plant very late. Possibly by ger. from the early blight altogether As a whole, blight or no blight, I find potatoes a profitable crop. I grow them for a retail market, and for a larg portion of the early crop expect to get
the usual price of one dollar a bushel

INQUIRIES ANSWERED

Celery Queries.-A. R., Atwood, Kan.,
Writes: "Would reservoir hanks, with water
six inches from the surface, be suitahle for
celery? What size should plants be when
transplanted, and should they be shaded?
How deep should trenches he, and how
should filling trencbes be regulated for
hlanching? I have my first crop started and
au auxious to learn about celery culture."
licrer:-I think the water-level should be
lower than six inches from the surface. Youl
can try a reasonahle number of plauts. If
they succeed. please report ahout it. I like
celery-plants well developed, say slx lnches
bigh, and a good strong tap-root of the same
length. These plants hare to be set out iu
the beat and drought of early suminer, and
they could not he expected to eudure tbe
hardships of the transfer at that season, un-
less there is a good deal of reserve energy,
as iudicated by a strong root. Trenches are
not needed; a little shading, however, is
always of advantage. To hlanch the stalls,
hill up the plants closely, to make them grow
compact and upright; afterward hlanch them
with hoards, hy setting the hoards up on their
long edge, one on each side slantlingly against
the row, or draw earth up against the rows,
covering the celcry-stalks clear up to withln
a few lnches of the tips of the leaves.


 change from pupa to bectle occurs about the
tirst of June of the third year, after whlch the beetic gnaws through the hark that covers the eud of its burrow and comes out iu the
night. It kecps at rest during the daytime, and tlies ahout at night iu search of food,
corupanious and suitahle places for depositlog its eggs. Trees standing in grass and old
ucglected orchards are their favorite places for the work. If the orchard is giveu cultivation, and the trunks of the trees, at least
at the hase, are washed with a strong soapat the hase, are washed with a strong soap-
suds two or three tiues during June and July, they are not very liable to be trouhled
with the borers. In the case of the trees of our correspoudnat I am led to belleve from trees contancd the miuute young borers
when they were plauted out. He did not obscrue their prescnce at first, killed a con-
siderahle proportion of them when dlscovered and conditions were not favorable for the depositing or hatching of the eggs of such as escaped. One of the first trees tbat I ever
had seriously iujured hy borers was a North had seriously injured hy borers was a North
ern Spy, iuto the trunk of which I bad drven nails to briug it into earlier fruitiug. Tbe experience alloded to abo Southern nursery The second seasou many of them were rulned hy borers. As fast as discovered the larvae were dug out and killed, and I have never
been tronhled with any since when the soapsuds was applice.
San Jose Scale-M. G., Bartlett, Tenn,
The San Jose scalc is perfectly round, or at most slightly elongated or lrregular. It is flat, is affixed to aud closely resembles the hark of the twig upon which it is found in color, and the largest when fully grown are much less tban an eighth of an inch in diameter, or ordinarily ahout the size of a large a small, round, sllghtly elougated black point or somethes on quite young wood it may have a yellow or reddish appearance. Wher in large numbers the seales lie close to eac other, frequently overlapping, and are at such tlmes difficult to distinguish without a mag nifyiug-glass. The general appearance whlch they present is a grayish, very slightly rougheued scurfy deposit. The natural rleh reddisb color of the twig is observed when
they are thickly infested, and they have tben they are thickly infested, and they have tben the appearance of being coated or dusted
with llme or ashes. When the scales are crushed hy scraping, a yellowish oily liquld the soft yeliow lnsects bencath the scales, and this will at once indicate to scales, familiar with tbcir appearance the presence or existence of healthy living scales upon the trees. They are easily scraped off wltb the finger-nail, and the hark beneath them will he seen to he of a darker color, the natural ceen hy comparing the places with spots upo which scales do not occur. The outlines the removed scales will he noticed upon th hark, and the circumference is frequently plish. Where the scales do not occur too thickly they are pecially upon youug reddish twigs, as the there winter the insects remain in the half grown to nearly full-grown condition. The roung hegin to hatch and crawl out from under the female scales shortly after the trees hegin to leaf out, and from tbis tilue through the summer there is a constant succession of generatious. The young louse is very minute
and of a yellowish color. They soon settle and of a yellowish color. They soon settle
upon a suitahle place, and each hegins to secrete a scale, and heing so prolific and hav ing so many generations in a single season
they soon greatly injure or destroy the tree or plant upon which tbey are fixed. Remor ples.-In many cases it would be most economical the iufeste seale is a sucking iusect that can only he killed hy being hrought into coutact wit osene or petroleum. Strong applicatious of these cannot he used during the summer, on account of injuring the foilage, hut hy heing sufficiently diluted with water and frequentl apple After growth has ceased in the fall and during the winter much stronger appll-
cations may he used, and from the results cations may he used, and from the results helleved that trees may he sprayed at auy very strong solution of petroleum without in jury to the trees if care is taken to prevent trees, aud every scale touched hy the oil is
hound to give up tbe ghost. The cracking of the hark on your trees, may he caused by heat and drought, especially if the trees are not kept thrifty hy cultivation. Shade trunk from midday sun to prerent sun-scald, your trees we think it very likely that scrapyour off the rough hark and giving them one or two thorough scruhhings with strong soapsuds would prove beneficial. if they are
growing in sod, plow shallow, dlg around
them and apply harn-yard manure.

BUTTERFLIES AND MOTHS
[CONTINEED from first pace] which it is viewred. Often markings of
white and black are used-as artists use white and black are used-as artists use brilliant colors, making them brighter by contrast
This is rery strikingly slown in the Monarch (Anosia plexippus, or Danais plexippus), commonly known as milkmonest and one of the most interesting

## esemblance is

## fling view.

hat afforks an excellent example of the most interesting studies in one o and which is abundantly illustrated throughout the whole order of scale viuged insects (Lepidoptera), both mong butterflies and moths.
South America is prolific of wonderful and beautiful butterflies. There and in Central America are found the orvl butterflies, of the genus Caligo, of
folded wings join together and just to form the stem of the leaf. More amazing still is the fact that the fungi that gather on withered leaves are butterfly with such minute perfection that several species of fungi may often be detected on the wings of a single butterfly.
The hungry bird, speeding expressly after the brilliantly painted wanderer of the air, sees him suddenly vanish into space. He has gone nowhere.
There is a dead leaf on yonder twig, but that is nothing. What became of that butterfly? It would seem as though the butterfly might smile when its enemy has passed by and it again unfolds its rich color to the sun.
Quite distinct from these imitative markings are some that seem to be for no special purpose, and might be termed the fantasies of nature. Of clymena) of South America. The color of the vings on the upper side is blueblack, with small patches of ide blue black, with small patches of green,
seeming transparent, like stained glass. seeming transparent, like stained glass. On the uuder side the fore wings are red, while the hind wings are gray, both marked with black. On the hind wings are black markings, making the figures 89 , as seen in the illustration. On the left wing the figures are as we should write them, but on the right ving they are reversed, as if, when the fairy artist had painted one side, the thoughtless butterfly had closed its wings together and simply transferred the markings.
A distinct group, or subfamily, butterflies is that of the swallowtails, so called because the lower ends of the hind legs are prolonged into two distinct tips. These are sometimes short, but in some are of great length. One of the finest specimens is the zebra swallowtail. The wings are black, transversely marked with broad and narrow stripes of white, as shown in the illustration. Besides these stripes there are markings of bright red and blue, which cannot be shown in the engraving. The wing expaus
hree to nearly four inches
s as practically eat nothin they the honey drawn up by the long suctorial tongue. But their larvae, or caterpillars, have hard, biting jaws, feed on leaves, and in some species are extensively destructive to with the cabbage-butterfly (Pieris rapae), a small, yel-lowish-white butterfiy, with a wing expanse of about two inches. This little intruder was introduced into this country from Europe at two different places and timesat Quebec in 1860, and at New York in 1868. Gradually the two invading armies joined forces and overspread almost the entire continent. The cabbage-butterfy is very prolific, producing three broods in a season. The caterpillar is destructive to vegetation.
The moths have a greater reputation or destructiveness, largely on account of the ravages of those household pests, the clothes-moth and the carpet-moth. Yet we must not condemn all the moths for the evil example of certaiu ones. One of the fairest products of civiliza-tion-silk-is due wholly to a moth (Bombyx mori), the larvae of which are known as silkworms. These useful creatures are very delicate, and quite limited in their range of feeding, confining themselves in the Old World to the mulberry, though accepting in America the osage orange.
Like the butterflies, the moths afford many beautiful examples of productive mimicry. You may see a Catocala of beantin siky siver-gray color rest ng on the bark of a white birch, and esembling it so closely that when you ook away and look back again you can scarcely find the insect you know is world (Attacus atlas), of India, is so marked that the end of the upper wing closely resembles the head of the venomous and deadly cobra. As the moths [CONCLUDED ON PAGE 20 OF THIS ISSUE]

## "ICANTQUIT," <br> Tobacco users say. Ah! maybe yousay

 so yourself. There are millions like you, with what physicians calla "T0. ous system is completely under tobacco's narcotic slimulant, and when you say, "I CAN'T QUIT," you tell the trutho The natural way is to treat the diseased nervous system by using
acts directly on the tobacco-irrilated nerve centres, destroying the nerve craving effects, builds up and improves theentire nervous system. MakesWEAK MEN STRONG. Many report a gain of ten pounds in ten days. You run no physical or financial risk-NO-TO-BAC sold under your own
DRUGGIST'S GUaRaHTEE,


CASCARETS Eand builuili

$\$ 18$ to $\$ 35$ WERKLV

$\$ 8333$ Monthly Salary




COOO WHMMULL
IMPERIAL

WATCH AND CHAIN FOR ONE DAY'S WORK.


AMERICAN GINSENG GARDENS, ROSF, HILL, New York.


## MOLTING OF FOWLS

Tmolting of hens is usually from June to November, some-
times cxtending well into the winter. The molting period is
sanne with all heus, nor docs a single hen begin at the same period every year, but usnally a month sooner to molt, in Jume may not begin the next year until July, and such hens will molt later every year until their molting perion reachats begin to molt
ter. The hens that bein early are those that finish their molt ing and are ready for laying before
winter conumences. Haring then completed their growth of feathers, they are in excellent condition for doing ser-
vicc; but should the process of molting extend into the winter, the hens , that have not finished will probably not lay until spring, consequently the matare interested in fowls must consider. The molting process requires thrce
months, and as the production of feathers requires a large proportion of nitrogen and mineral elements it becomes something more than grain or grass. mental, as the hen is inconvenieuced by the fat stored on the body rather than benefited thereby, and yet the majority of poultrymen feed hiverally
of grain to their molting hens, in the belief that such food is the best that can be given. The food should
consist principally of ground meat, of cut green bone that has a fair propor tion of adhering meat, but all fat foods posed of bran and mashed potatoes wvill provide an agreeable change, while ground bone, milk and a little sulphur in the food once a day will be beneficial. molt will prove poor layers before Christmas, and if such hens are fat they should be disposed of. It is a wellrepeated in these columins frequently, that if a hen or pullet does not begin early perhaps not begin to lay before early spring; but if she starts in to lay be-
fore the winter begins she will continue to lay for a long time or until she becomes broody. Pullets hatched last spring will not begin to molt until next year, as only the hens will molt in summer; but a pullet that was
hatched very early-about January or February-may molt, though the chances are that she will not do so until next year. Clean, dry quarters should be provided for the hens that are molting, and will quickly succumb to lice, owing to the debilitating effects of the process. As to the males, they should have been sold off long ago, as it does not pay to keep one that is molting. unless such is soupht, and the soneracteristic that sent to market the higher the prices they will bring.

## PROFITS IN POULTRY

The most important feature in poul-try-raising is the cost. It is certain that properly managed poultry-raising
is a paying business. In what brancl of farming can we obtain greater inter est on our money? The estimated value of the hen is one dollar. If she lays one hundred eggs the first year, and one hundred and twenty-five the sec-
ond, the ralue of the eggs is at least ond, the ralue of the eggs is at least
three dollars. Allowing each hen one gill of corn a day (which is sufficient) in one year she will consume less than one and one half bushels. Rating corn at fifty cents a bushel, the whole five cents plus the value of the hen,
one dollar, or one dollar and seventy five cents, leaving as a profit your hen and one dollar and twenty-five cents in aslı. If you keep a flock of twenty hens, a good but inexpensive poultry house with fixtures and all extras for poultry can be paid for in one year by
the excess over one cent an egg, as in the winter noouths cggs are sometime worth thirty cents a dozen. This is simply the egg basis. This, with the aising. of young chicks, will pay all the expenses and leave a handsome profit Great judguent must be used in seleeting stock, and great attention should also be paid to breeding.

## GRIT AND THRIFT

The larger the number of fowls, the greater importance it is to provide them with grit. It can be easily ascertained whether they have a sufficiency by opeuing the gizzards of those that
die or are killed and examining the quality of the contents. If the cdges of the stones are sharp it is a sign
that they are well supplied. If, howthat they are well supplied. If, however, the edges are blunt and round it is a sign that the poultry requires sharp grit. Chickens are often put ou a grass field where there is no sharp vhy they to nor cave better, Shar grit is to the poultry what tharp grit is to the poultry what teeth are oot the human family. Fowls that are not furnished with it sometimes have diarrhea, etc. Fliut. grit is the best
of any that can be used, as it is harder of any that can be used, as it is harder
than any kind. It is not obtainabie in every district, but the best substitute must be obtained. Anything really hard and sharp will ansiver, such as old china or earthenware if not broken in too large pieces, and old mortar broken digestion, also, Ond are useful. When fowls have plenty of grit they are kept in good condition, because their food is better digested.

## ONE BREED SUFFICIENT

If you desire to keep the pure breeds, begin with only one, and make yourself familiar with all the points of the standard relating to it, as well as the natural characteristics of the breed. You may then venture with a second one; but it must be borne in mind that it requires five times as much caution to keep two breeds as one. If only a
single breed is kept there is no danger single breed is kept there is no danger birds crossing or mixture, and the are not too near the neighbors'; but the introduction of a second breed necessitates good, high, close fences, confinement, and'great care in properly collecting and separating the eggs. Our most successful poultrymen are those who make a specialty of one breed. They then aim to keep the best, and can easily do so, as long familiarity and experience with a flock of fowls all of one kind permit the breeder to detect at a glance all the defects, owing to the constant impression of the charac-
teristics of his mind by frequent obteristics of his mind by frequent ob-
servation; while, if his attention was directed to several breeds, he would not so readily notice the details essential to perfection in all points.

## DURABLE WHITEWASH

If the whitewash is made with skimmed milk instead of lime and water it will be more durable and last
much longer. For a durable red paint a mixture of fresh bullock's blood and lime is excellent, and it will resist
water. If ordinary whitewash be used, water. If ordinary whitewash be used, a pound of flour, two pounds of alum and a pound of salt, the two latter dissolved in hot water, the former added until a thin paste is made, and the whole mixed with five gallons of whitewash, will be very durable.

## Onc of the causes of the popularity

 of the Light Brahma is its small peacomb, which lays so close to the head cold seasons. This is a very important combs oftell winter laying, as frosted production. A true Light, Brahma is by the standard to weigh twelve pounds and the hens ten. As they are wellfeathered orer the body, and feather: slowly when young, they are hardy and more easily raised than the chicks of they have no superior. The smaller breeds, however are more active and mature earlier.

## immature pulets

If early development is natural with some breeds, as with the Leghorns, it is a valuable quality; but when the pululants or highly concentrated food, it is an injury, as it taxes the vitality too early. A pullet that is forced will lay she ceases in egs for awhine, and will not bhe ceases, in order to rest, she will not She becomes prematurely old, and does as when she is given ample time to mature before beginning to lay.

## dISEASES OF DUCKS

The duck is afficted with but few aiseases, the most prominent being verfrom overfeerling and fan or prevented by keeping them on a grass diet exclusively. Convulsions are caused by dampness, poor food and filthy coops. The best remedy is to clean out the coops, make them dry,
and feed on nourishing food. Ducks should always hare dry guarters at night.

## CORRESPONDENCE

Coat Ashis.-Please tell Mr. B. F. Ter-
lime that is in coal ashcs. I give $m$ y hens lime that is in coal ashcs. I give my hens at them, and that at the laying season; but they get all the lime from the coal ashes
that tbey want, and they nced a great deal My chicks four days old crave it. They need ashes and give the small hits of lime, and they eat it greedily. Chicks not used to the
lime might possinly eat too much.
J. N. Port Washingtou, Wis.
[It is probahly the grit
[It is prohanly, the gritty parts preferred, as there is no lime in coal ashcs.-Ev.]

## INQUIRIES ANSWERED

## Swelled Heads and Feet.-A. W. H., Gallnan, Miss., writes: "What is the natter

 Gallnnan, Miss., writes: "What is the matter with ny chickens? They have free range; Ifeca then grain. They swell on the heads and wattles, and their feet and legs swell." REPLY:-In Jour climate $\begin{aligned} & \text { rarasites are liable } \\ & \text { to attack the fowls. Your details are too }\end{aligned}$ inexplicit to give a proper reply. As a preeline.
Parasites on Chicks.-L. S., Citronville, Fla., writes: "I have about sixty chicks from
three months old down. They are Leghorns. I feed them ou grits or hominy. One dies crery day or two. They get droopy, stand
about, and some of them go blind. Sometimes there are only about half a dozen 'jiggers' on their heads, and sometimes thirty, hut those witb the few 'jiggers' die, too."'
REPLY:-The food is not sufficiently varied, Reply:-The food is not sufficiently varied,
and the parasites are assisting to destroy


Insects in Gizzard.-P. H. F., Blooms-
burg, Pa., writes: "1. Wili any seed, ifter burg, Pa., writes: "1. Will any sced, ifter
passing through the crop and gizzard of a fowl, germinate? 2. Will the cgy of an in-
sect or worm, or the insect or worm itself, propagate by species after passing through
the crop or gizzara of a fowl? 3 . How does
the gerin or microbe or bacillus of the cape-
the gerin or microbe or bacillus of the gape-
worm get into the windpipe of the chick?
4. Are there any worins in the windpipe of the chick whenl they first begin to sneeze? ? Can
a chicken sueeze anything out of its windpipe? 5. How long has it been since gapes Rerres:-1. The gizana usually destroys all
seeds, hut seeds have seeds, hut seeds have becn distributed by
birds and germinated. 2. There is a worm that lives in and attacks the gizzard itsclf.
3. It has not been fully determined, put is believed by picking up suhstances from gapeinfested locations. 4. Not always; chicks
liave hecn known to discharge the worms hy gapes are mentloned in the oldest books.

TERRIFF'S PERFECT WASHER


Portland Mfg, CO, Box 27, Porifland, Mich.








427 NORTH st. $\begin{aligned} & \text { KOKOMO FENCE MCH. CO. } \\ & \text { KOKOMO, IND., U. E.'a. }\end{aligned}$
SI4 triz Wrou SAME MONEY $\sqrt{\text { Hithen }}$
 $11 \cap 11$ Send for a large Cat-
 CEM Waler


DO YOU KNOW who would like an opportunity to earn some money either by working all or part of the time? If so,
please send us the name and address, or ask the prty to write us at once for particulars. Address THE CROWELL \& KIRKPATRICK CO.

GOING TO FEED GATTLE

$\qquad$
(17) We are the largest manufacturers of Steel Wheels and Truck Wagons in the World. Write for Catalogue.
T

## \$2.75 buys a apig it ipo baby Carriage





VETERINARY

To Remove Paint from Glass,-S. E.
B., Dolpb, Oreg., writes: "What will take
dried wbite paint off window-glass?" Reply:-Mix one part of unslaked lime and
tbree parts of potash. Apply thickly with a tbree parts of potash. Apply thickly with a
stick, let it remain half an bonr or more,
then rasb off. Sometimes a second applica-

Fied or Horse Sorrel.-T. J., Lutber, and nndergronnd root-stalks. In some loTborongl enltivation in crops like eorn and
potatoes, followed bs a smothering crop like potatoes, followed bs a smothering crop like
clover, and a sbort erop rotation like corn, Wheat and clover, are tbe best means of orer
coming it. In permaucnt timotby meadows will increase rapidly.
Currant Wiue.-J. F. I., Belt, Mont. To one gallon of masbed currants add one quart
of boiling mater; let stand for twenty-four bours, then strain tbrongh a coarse bag, add of granulated sugar. To keen from fermeuting point sereral times. finall, hottling it when fermented wine is desired, put the jnice in stone jugs, loosely corked, and keep in a cool
place. Bottle in October, when fermentatiou ceases.
Cabbage-wormi-S. S. P., Raymond, Ill, Writes: "I thlnk I're got a 'einch" on MIr.
Cabbage-worm. As a last resort I took the
hot suds out of the washing-machine and hot suds out of the washing-machine and
ponred it liberally on tbe cabbage. I repeated it evers wash-day, and found it a complete
success. I pnt it on quite bot, enough to
spail an egg or a worm. I am strongly of the opinion that it is a snre remedy for the heading early and firm. I am sure tbat after this treatment cabbage I erer raised."
Carp Questions.-E. C. S., Maple Mill, cll., writes: ". How long does it take fish-
eggs to batch? 2. How mnch should a fish eggs to batch? 2. How much should a fish
reigb in one year's growtb-the carp variety? Reple:-1. Time varies with temperature; Growth depends on supply of food. Carp lengtb of ten inches and reigh a pound by fall, and to weigh two aud one half to
tbree pounds wbeu one year old. 3. The natural food consists of worms, snails, insects, Protection Against Striped Bugs.-F. L. W., Berkshire, Ohio, writes: "In a recent
issue of your excellent paper I noticed one
article wbere a man was anxions to know how to get rid of the striped bug on melons and cucumbers. My remedy is rery simple
and effective: Just outside tbe seed pnt one squash-seed, whieh comes up about the same
time the other seeds do. It is tender and
larger tban melon-plants, and the bugs seem larger tban melon-plants, and the bugs seem
to relisb it. Go ont in the morning before suntbe under side of the squash and can easily euough so they are ont of the way of the hill and yon will find the bngs under it as them easily. I find dry wood ashes the best Weevils, Which eat off the plants at the sur-
face of the ground. Now, if some one will hug, called stink-hng, I will he thaukful."'

| Plaster of Paris Cement-Bordeanx Mixture.-L. L.. Polk, Ohio, writes: "Please |  |
| :---: | :---: |
|  | give me a receipt for a cement to mend plaster of Paris ornameuts. I had the misfor- |
|  |  |
|  | tune to hreak a beantifnl statne, and monld be truly thankful to know how to mend it. |
|  |  |
|  | - What is the Bordeaux mixture for spray cracks and pimples in the beuds of the joints, hat particnlarly on the posterior sur- |
|  | REPLY:-Soak plaster of Paris in a saturated face of the pasteru and coronet joints. If you |
|  | solution of alum, bake in an oren, grind to find such sores, ete.. make twice a day a liberpowder, mix with mater, and apply. It sets al application of a mixture composed of liquild |
|  |  |
|  | ke granite, aud is capahle of taking a high snbacetate of lead, one part. and olire-oil, olish.-Bordeaux mixtnre-Coppersulphate, three parts, to all of them; keep the horses on |
|  |  |
|  | pounds; quickllme, four pounds; water, a perfectly clean and |
|  | ty to fifty gallons. Dissolve the copper strelled legs cleau without using ans water to |
|  | sulpbate hy putting it In a coarse hag sns- clean them, feed nothing but perfectly sound pended iu seteral gallons of water in a and clean food, free from mold or fungi and |
|  |  |
|  | pended iu sereral gallons of water in a and clean food, free from mold or fungi and rooden ressel. Slake the lime, mix the tro, auy other contanination. and keep the horses |
|  | add euongb water to make forty or fiftr ou their feet as much as youn can. Whether |
|  | gallons. For rery tender foliage, like the you will succeed in elfectiug a cure will de- |
|  |  |
|  |  |
|  |  |

 Frtal symptoms,-A. R.. Fulks Run, Ta.
Wbat rou describe are fatal symptoms ob-

Kicks When in Heat.-J. T.. Dorset, Minn. If your mare kicks wher in heat, to you may either breed ber, have her spayed
(a ratber dangerous opcration to marcs even
 adrised to drug sncb an animal, because the frect of the drng mas prove
roublesome than the kicking.
Enlarged Thyroid Glands.-G. M. R.
Niddletown, Obio. The two small limps on the tbroat of your horse are the somembat er), and are of not mnch significance. They
mas remain unchanged during tbe wbole nat-
nral life of tbe animal, and mas never do any real harm. Snch cularged glands can be remored bs a snrgieal operation. but the ecommend it, especially as the enlargement
 B., Avery, Mo. If the iuability to more in tbe hind quarters of your sow is not already complete, if the pigs bare been reaned, aud
tbus the great drain upon material wbich the organism does not possess in snffieient qnautities is stopped, and if you continue to keep
the sow in a clover-field, or on food snfficient5 ricb in nitrogenous componnds. lime salts and phosphates, and not coutaining too mncb
acid, yonr. sow will have a cbance to recover,

## merous anstreas to similar questions in recent issues of tbe Fara and Fireside.


le against the at to or in a pasture. The farmers in Holland ture br covering tbem witb tbin muslin with a decoction of ralunt-leares has been
$\qquad$ plete one or not. I am inclined to doubt it.
The small flies wbicb usually attack the eses re probably best warded off by applying tbe eyelids a little extract of gentiana.

offectious and usually rers dangerons disease of new-born animals. If tbe soung animal is
not too young. and every abscess is promptly opened and disinfected, a recovers may be, and often is, taking place; but it is one of
those diseases to wbich the old adage of the onnce of prevention being better than a
ponnd of cure mas justly be applied. The infection, in most cases at least, takes place colt is born, or rery soon after. Tbe preren-
tiou, therefore, cousists in at once closing tiou, tberefore, cousists in at once closing

Legs Swelled and Stiff.-D. L. D., Se den, Kan. Ton ascribe tbe smelling and stiffacss of the lags of sour horses, and the inabin ity of the latter to get up withont help when
thes are dnmn, to the feeding of millet has. asscrtion, at least as far as the millet itself millet hay was spoiled, and that the spoiled ungons gronth it contaiue are at the bottom omplained of. It is also not impossible that tbe infectious principle wbich prodnced the be laid free by cutting a way the wall as far as separated. It must be kept lu mind that
again, aud if not remored will he an obstacl to the process of healing. This done, the emptr space should be dressed witb absor (tincture of aloes, one to four, will answer) then a good bar-shoe, provlded the horse has
good sonnd frog, shonld be put on, but made in such a way that there will he no
bearing where the separation is and wher the boru has been cut away, After the bar
shoe has been put on the empty space between of the hoof, where a part of the latter has heen cut atway, should be filled up just tight
$\qquad$ etting in less than four med a the shoe must be reset and the dressing h


Yellowstone Park and Alaska
Extended tours under the management of The Americas
Reau Campbell, General Manager, $1+23$ Marquette Building, Chicago. Pullinan Sleeping quette Building, Chicago. Pullınan Sleeping and Dining Ca July 10 th ,
WAUKEE
include all expenses everywhere George H. Heafford, General Passenger Agent, Chicago, Illinois.

$\qquad$
22.50 B Mrs Full Euving
 Mivi ixizivit ob

COLONY IN REPUBLIC OF COLOMBIA,SOUTH AMERICA ON THE MaODALENA RIEER
300,000 Acres, $\$ 5$ Per Acre, Payable in 5 Years $=-5-=$ $=-=-2$

The Best Farm in Kansas Whether you want a farm for proft or a farm for leisure,
nd pleasure, the Colony Farmis are the best in Kansas,



## Freescholarship




## THE GRANGE

FArmers lave reason to over the fact that through their persistent efforts the Grout bill chairman of the agricultural conmmittee, who represented an agricultural constitueucy, much to the surprise of the country at large, opposed the bill and prepared a substitnte for it. The substitute was unsatisfactory. The original bill was demanded. Speaker Henderson insisted that some actiou be taken. The result is that the Grout bill is now before the House, with fair prospects of becoming a law. This and demonstrates the fact that when his demands are just, and his cause is presented and championed by able men, backed up by the persistent appeals of the farmers' organizations, he can obtain fair treatment.
"Education" quotes the following pertinent paragraph from Col. Francis
V. Parker's address at Quincy, Massachusetts. We are glad to give it wider circulation in our pages: "We stand lo-day at the beginning of an educavation of the world; and its elements are faith, spirit, open-mindedness and work. The teachers are not responsible for what wrong ideas may exist, nor can school committees be justly blamed. The common school was people, it is supported by the people, and its faults are found in the people.
The people must demand, and they will The people must demand, and they will receive; they must knock, and it shall be opened unto them. We are bound by tradition, by medieral ways and deeply rooted prejucice. The good that has been clone is simply a foretaste of what is to come. Our ideals are low. The future demands an education into free tion-aneducation to meet the demands of these times, with their world problems that are weighing us down, and the ever-increasing duties of citizenDewey, or the battalions of Roberts or Kinger, must these problems be
worked out, but in the coinmon school, where the quiet, devoted, studious, skilfinl teacher works out the nature and laws of life, complete living and the righteousness that is to be."

It is indeed true that the faults of
our common-school system are found in the people. Observation shows that the schools of a community are such as the majority desire, else they would be changed. The schools are a very good index of the moral tone of a place and one needs but to know the teacher munity-that is, a cominunity where healthy public sentiment prevails, and where truth and honor are held sacred, laws reverenced, and the good that is to be ardently desired-will not long tolerate a poor teacher or a corrupt school-board. The latter is so repugnant to the sense of right and justice that
must prevail that the people will use he most potent weapon they possessthe ballot-to overthrow its power and secure good schools. It is senseless waddle to say that the majority desire good schools, but cannot secure them. The common schools of a township or ure of the desire

The late Prôf. Elijah Cook, Past Lecturer of Maine State Grange, in lis last ecturer's report to that body, inspired must all realize that we should be seeking progress all the way from the cra-
dle to the grave. It is not doing well that makes peopie happy; it is doing better. It is inspiring incleed to read he history of the early Patrons of
Husbandry and see how much faith hope and courage they put into the organization of this order. Had not Kelly's faith and courage been large enough and brond enough to reach have heard of the Patrons of Husbandry. Kelly seemga to see the end from the beginning, and realize that the
order would become immensely strong
and be a wonderful help to the farmérs in many ways, aud no discouragements, though they rose up sometimes moun-tain-high, could cause him to doubt or question for a moment the ultimate debts were accumulating, and payment became very urgent. Kelly owned ten became very urgent. Kelly owned ten
city lots, where he liad unade an investcity lots, where he had made an investHe gave the grange the full liberty to raise all it could by mortgage on these lots and pay oft the more important debts. His wife fully consented, as neither doubted for a moment that success would crown their efforts. Another incillent which showed something of the grand spirit of those noble men
to whom we owe so much was when Kelly had been sent out by the national grange to enlarge the order second place he visited he failed to orsecond place he visited he failed to orfriend Mr. M. F. McDowell, of Wayne, N. Y., whom he had previously met in Washington. A hard snow-storm came on, and McDowell took care of and carefully eutertained Kelly for three, days, when the storm sufficiently sub-
sided for him to go on. At the desided for him to go on. At the de-
parture McDowell gave Kelly much encouragement, and showed his faith in his words by also giving him fifty dollars in money to help him on his way. Glimpses like these show the heroic character of those who labored so untiringly to establish the Order of Patrons of Ilusbandry
"How much we need in every grange of the country zealous, earnest, capable meu and women, who are enabled to are what is best and noblest in life, and are always ready to help the grange to a higher level. If Kelly, thirty years ago, could see the need of united effort
among the farmers of a nation, it must among the farmers of a nation, it must
be ten times more apparent now to be ten times more apparent now to every Patron of Husbanclry.

Such a tribute to the dead and exhortatiou to the living must needs bear fruit. When we think of the trials and hardships the pioneers of the grange had to overcome their achievements appear incleed wonderful. But even they could not comprehend the vast work they were doing, not only for the agricultural class, but for the nation. We of to-day have a good deal to say of the work we are doing, and the difficulties we meet. We do not consider that the forests have been cleared, the streams spanned by these heroic souls. A tew disappointments, two or three meetings without a quorum, a derclict member or two, petty jealousy of some successful brother or sister, or serve tor equally groundless excuse, make us declare there is good in it. Persistently these words ring, "Sleepest thou? Couldst not thou watch one hour?" And the last call to the fainting ones, "Sleep on now, and take your rest; it is enough, the hour is come." the same truth to-day that they did two thousand years ago. The grange is the logical outcome of centuries of human logical outcome of centuries of human
cndeavor. To be true to it is to be true condeavor. To dearest instincts of the heart, true to self, to home, to country. It is the voice of the farming class, the exponent of its rights and duties. If we cannot endure hardships for its sake, if we caunot watch a few hours, if we
cannot suffer inconvenience for the good it will do us, and the good we are enabled to do others through it, then must that saddest of all confessions of human weakness, human inconstancy and neglect that has rung for ages, and will ring for all time to come, be applied to us, "Sleep on now, and take your rest; it is enough, the hour is come."

If members of the grange comprehender the meaning of the fact that hundreds of thousands of the most isolated members of the human fainily, who, by training, tradition and en rironment, are naturally averse to organization, are organized into a compact body mutually benefiting one another and contributing their quotia to the development of the material and intellectual interests of the nation, there would be such a reviral of enthusiasm and devotion in the grange as has never before
been witnessed. The organization of the farmers into one great brotherhood of the niueteenth endowing of colleges, the founding of hospitals and colleges, the founding of muspitams, and the many many avenues museuns, and the many, many arenues hrough which men and women seek to levate the human race. The grange is is more an isolated institution than is the Drexel Institnte, the Tuskegee school, the Carnegie libraries, or the
maguificent churches and schools dot-
ting our land. All are links in the chaiu ting our land. All are links in the chaiu
that binds man to man, making of them brothers the world over. Each has it characteristics peculiar to its needs and desires, and suited to the people it must serve. The grange seeks to develop the best traits in mankind, and to suppress the vicions; to train its members to business methods, in order that their condition may be ameliorated. It builds club-houses in the rural districts; it furnishes music and recreation; it fos ters libraries and improves schools. It is to the rural community what the club and library and school are to the town. Like all other institutions, its usefulness is conditioned by its individ ual members. If true to its teachings, it serves to bring not only farmers into close sympathy with one another, but seeks to fit each individual for the highest and best that all society has to offer. Manifestly, the morc we give to it, the more will we and our children's children derive from it. Let us not fos ter prejudice and class distinctions. Le us each fit ourselves for the best, be
lieving that whatsoever we are able to enjoy we will enjoy.

We are in receipt of the proceedings of the Department of Superintendence of the National Educational Association. Of especial interest to us are
the splendid addresses of Dr. Nicholas the splendid addresses of Dr. Nicholas
Murray Butler and Professor Atwater. Murray Butler and Professor Atwater. manner discusses the subject of "Education at Close of Century." Iu a mas terly way he sketches the history of the educational movement of the century, and indicates its meaning to us. He says, "As the century closes the soundest educational philosophy the world over teaches that the individual alone is nothing, but that the individual as a member of society and of a race is everything. Selfhood, which can
only be attained by entering into the only be attained by entering into the
life-history and the experience of the race, is now put in the high place which was about to be rashly filled by selfish ness. True individualism, which would enrich the life of each with the possessions of all, is well nigh supreme, and sham individualism, which would set every man's hand against his fellow, is disposed of, let us hope, forever. Edwous history of man's civilization, and looks to the nature of each individua conducting hi conducting him to his inheritance, but
not for knowledge of what that inhernot for kn

To those who believe that the chief expenditure of the world is for armies and navies, the followiug statement is significant: "The annual expenditure
of the United States for common schools is quite equal to the sum total of the expenditures of Great Britain, France and Germany combined upon their powerful navies. It is nearly four fifths of the total annual expendiGermany of the armed camps of France and a sum greater by many millions than the net ordinary expenditures of the United States government in 1880. This expenditure for common schools has nearly trebled since 1870, and during that period has grown from $\$ 1.75$ to $\$ 2.67$ per capita of population, and from $\$ 15.20$ to $\$ 18.86$ for each pupil cnrolled." Dr. Butler warns us against vain-
glorious pride. "Pat pride of achieveglorious pride. "But pride of achieve-
ment should yield to a feeling of responsibility for the finture. In the light of the nineteenth century no man dare prophesy what the twentieth century will bring forth. We only know into the past and armed with trained minds, disciplined wills and a scientific method, is as ready as man's imperfect wisdom can make it for whatever may
come in the future."

## Naers <br> Piils covered with pimples? Your skin rough and blotchy? It's your liver! Ayer's Pills are liver pills. They dyspepsia. 25c. All druggists. <br> 



You can make better ice cream than you can buy. Its the quickest dessert. Lightning Freezer.

in three colors free. Ad-
dress NorthBros. Mfg.Co.,

## HOME=SEEKERS

THOUSANDS OF HAPPY HOMES If any one contemplates a change of residence he should not overlook the attractions ands of ages of thoupoints on the line of the Rio and points on the line of the Rio Grande Western Railway in that state. The soil is very pro-
ductive and the market close at hand. The ductive and the market close at hand. The
climate is superb, being temperate the year climate is superb, being temperate the year
round. The sugar-beet industry, as well as round. The sugar-beet industry, as well as
fruit culture, etc., are prominent features of ruit culture, etc., are prominent features of these agricultural districts. Send 2 cents postage for a copy of "Lands;" to Geo. W. Heintz, General Passenger Agent Rio Grando

## Marquette, on Lake Superior,

s one of the most charming summer resorts Paul Railway. scenery hay-fevels and complete inmunity from quette, Michigan, very attractive from the standpoint of health, rest and comfort.
For a copy of "The Lake Superior Country," containing a description of Mar quette and the copper country, address, with four (4) cents in stamps to pay postage,
George H. Heafford, General Yassenger

## FANCY SILKS




ONE FOURTH OF JULY By Adele K. Johnson
$A_{\text {Rerolution of the American }}^{\text {Dafgerved }}$ Rerolution observed the
Fourth of July-Independence day-by giving $a^{*}$ Colo nial dinner-party.
Did not the colonists come to America seeking liberty to worship God according to sciences? And in after-years did not their descendauts in the Revolutionary times fight in
same blessed cause--independence?
The guests were invited to come en costume; accordingly the courtiers appeared
"In gold and lace,
The noble fathers
and the women with the wide skirt, snowy kerchief and cap as worn by hers of the men and the dainty grace of the women were very attractive.
As usual, a genuine antique hallclock solemnly ticked away the minutes beside the wide staircase. On this evening the drawing-room was newly arranged with old-time furniture ancient days and the inevitable spin-ning-wheel-while great-graudfather's flint-lock hung over the mantel. This latter received much attention. Its original owncr was one of the survivors
of the historic Bunker Hill. There of the historic Bunker Hill. There stood a pair of ancient candlesticks.
The modern etchings and paintings of to-day were replaced by old-time portraits-two prominent ones of the Father of His country-and engravings of Colonial landscapes and noted build-ings-Fanueil Hall, the Cradle of Lib-
Artistic and appropriate indeed were two china plaques used as wall decorations. They were delft-blue in color, with a wide border of small stars. One pictured Washington and Lafayette at Valley Forge, the other showed the spirit of 1776-three soldiers with drums and fife gloriously playing "Yankee Doodle," the standard floats high, while their indomitable courage rises still higher. An American flag is patriotically unfurled.
The flowers which were loved and The flowers which were loved and
tended in the days of our ancestors were selected instead of the popular farorites of the present hour. The fireplace in the drawing-room was filled with red and white peonies. Fragrant pinks, many-toned phlox, quiet primroses and thoughtful pansies were also charmingly used. For the dinner-table and in the wide window-seats the
dainty white lilies which our forefathdainty white lilies which our forefathers, or rather foremothers, loved were
chosen. Were not our forefathers of too stern a type of manhood to stoop to see, to love the little beauties of earth, in their busy cares? That was
certainly left to the gentle mothers, God bless them!
The china was Colonial blue and white. The table was lighted by white candles. On the white menu-cards, in letters of gold, was printed the national
hymn "My Country,'Tis of Thee" They hymn. "My Country,'Tis of Thee." They
contained also a portrait of the noble contained also a portrait of the noble
Washington, and one of Martlaa, his wife.
The feast was a realistic one, similar to those of the Revolutionary heroes
when at home-surely not when on the march or in camp. Meats predominated to a surprising extent. I whole ham was deliciously baked, and game, fish
and fowl abounded. The corn-bread of those men of old was served: the gingerbread of the "minute-men" was included in the list, and the famous
"election cake." that delectable old receipt, was served in all its toothsome-
ness, for the pleasure of the young generation. Strong, fragrant tea was
also liberally dispensed. At the close of the dinner the famous toast of Washington, our greatest hero
in the struggle for independence, was reverently given by the host:
"May stars forever shine
On thee and alli of thine,
God bless onr lind "."

## In menory of the

Pilgrims the gruests
"The Landing of the Pilgrims", was eloquently recited. 'The song' of the Revolution, "Iankee Doodle," was also given witl a will.
The stately minuet, the cotillion and Virginia reel were enjoyable. The majority of the guests now arranged themselves to form a tableau, after the painting of the renowned "Peace Ball." 1 few were honored by being chosen to epresent the audience
Dainty little books, "Colonial Verses," by Ruth Lawrence, in dark blue and white corers, containing quaint, sweetscented verses on "Mount Vernon," "The Garden," "Washington's Room," tc., were chosen for souvenirs.
Here "the lantern-slide man appeared," as one flippant youth rellustrating vividly Revolutionary times and portraits of the heroes of "76-the nd portraits of the heroes of 76 -the we honor this glorious Fourth. Whinen the slide exhibiting "Washington's Tomb" was shown Professor Crichton Tomb" was shown Professor Crichton poem:
Thon dost not sleep in sonnd of city's toil; The din of traflic, the murmur of the mart, Are far a waly; within thy native soil
We leave ron, heart of honor. Honor's heart; Not in cathedral's gorgeous sculptured gloom,年t beneath thy much-belored stars, a fitter tomb.
The spirit of the hour was upon us: seemed as though we had visited that peaceful resting-place on the quiet Potomac. Tre fervently' sang ".Amer-

## ica:".

## Our father's God, to thee,

Anthor of liberty,
To thee we sing
Long may our land be bright
With freedom's boly light With freedom's holy light,
Protect us by thy night. Protect us by thy night.

## WARM DAYS AND WARM TEMPERS

The latter appears to be the natural accompaniment of the former; not that it is necessarily so, but because we al-
low it to be so. Whe think our children obstinate and cros's, and no doubt they are, but unless we guard ourselves well we may feel somewhat peevish this not help us to manage our little ones aright.
I was forcibly struck with a seutence which a friend wrote in one of her letters a short time ago. It was, "When we are all worn out, and cannot appreciate anything, but make some kind of n appearance before our friends, we let the collapse come before those we love the most, and say things that we did not mean and over which the hurt lingers for months and years." We can triumph orer a wrong done to us by forgiving it, but it is hard, oh, so hard, to forgive ourselves for hurting one we love. "The Greatest Thing in the World" should be read by us over and over; for surely there is nothing bill make us the wife aud mother we desire

Children may be naughty in our eycs when they in their innocence do not realize the fact. We will have greater patience with our loved ones when we realize that our Heavenly Father must needs have patience with our childishness. And yet what a precious thought it is, that the best is within the reach
of all. God will enable us to be grown women, not children.
"Consecrated tact" we should all possess. It is not always the best to tion to our children. Onv anthority will not be compromised if we tell the reason sucly and such a tling will be harmful. Children are full of curiosity -are not we older ones as well?-and it will surely do no harm to tell them why the prescribed course is best. By doing this curiosity is stilled and reason will a child rebel. To give the reasons after a child has sbown a desire to dis-
obey is not alwass a wise plan. Let the We should not palliate for an instant the unfilial spirit of contradiction which prevails among some families of childreu. The parents of such children hare cridently allowed them to argue from their standpoint, until a fatal injury las been done them. They fail to see that parental love, in its greatness and tenderness, has only the good of their children at heart, and they should so trust their parents that they will not demand a reason for all that they must do or leave undone. From the hecimming the child must be tauoh to reverence the opinions of his par ents, and he should never be allowed to question the strength of a command.
$A$ discontented mother is one who invariably has a "w'arm" temper. It does not pay us to be discontented. No mat ter how much we own, if the mind is not at rest we cannot enjoy our possessions; and no matter how little of this world's goods we have, if we are contented we may be happy and rear delightful children. Real contentment can only come from God, and consists in making the best of what comes, or doesn't come, and looking on the bright side of everything. 'The wroman who can of everytho. The the most ing circumstances is the woman who holds the strongest power in the home: and amiability is not only power, it is mental progression, and should be earn estly sought after even in the summer
time. Ella Bartlett Simmons.

## HINTS FROM MY NEIGHBORS

Whether one has the washing and ironing to clo, as well as all the house work, or has help to do the work of the household, they ought to save all the work they can. One of my neighbors does this by wearing sleeve-protectors. as well as big aprons. when working in the litchen, feeding her chickens, etc. She says she can wear a dress twice as long with these before it will need washing as she could without them She makes the slceves long enough to reach a little above the elbow, gathered into a band to button around the wrist and at the top pins them to her dresssleeres with small safety-pins.
ame in a few mornings ago and said, "Why, what have you been cloing?"
"I have been varnishing all my old "urniture with varnish-stain. I was interested at once, and by her ork Shent orer to see her handibe she had used the walnut-stain on bedroom set, and it looked like new. tain there were sereral kinds of ase-walnut, oak, cherry, mahogany, applrood, etc.-and that the process of went home fully determined to try my skill at renorating. I had a cherry bedroom set that by long use and several movings had become much defaced. Is soon as possible I invested fifteen ceuts in a can of cherry-stain rarnish, and twenty cents in a brush. I washed the articles well with soap and warm water, remored all the pulls from the drawers, and then gave each piece one coat of the varnish, bought new brass pulls for the drawers, and the work was complete. I am much more proud of them than I would have been of a new set, and the work was very easily and quickly done. Since then I have rarmished bookcase and screen-frame with wal-nut-stain, and a writing-desk with mahogany. I had enameled a screenframe white before that, but the var-nish-sta hey need only one application, while I was obliged to put four coats of enamel on the frame before it looked well. One of my neighbors enameled a bureau, wash-stand and small table to put in a room with a white iron bedstead. They looked beautiful, but took more work than $I$ had the time to do. Furniture renovating has been epidemic in my know wheore this spring, and I dont neighbors asserts that he expects every day that his wife will begin to stain the plows and harrows rosewood or mahogany, and enamel the mower and reaper. Maida McL.

## TABLE-CENTERS

For use upon small tables one likes center of linen. They wear better and are always more attractive to the eye than those of wool or velvet


My neighbor who moved out from the city this spring brought her pale, delicate-looking baby boy about two years old. A few days ago I saw the little fellow, and instead of the pale, languid, quiet baby he had become a merry, rosy, rollicking boy. I spoke of the cliange country air liad made in him, and his mother laughingly anhim, and his mother laughingly an swered, "It is dirt as much as fresh air
that has made the change. Until we that has made the change. Until we came to the comntry he had never worn
any but white dresses, and I thought any but white dresses, and I thought they must be kept spotless. I was wor-
ried about his delicate appearance, and ried about his delicate appearance, and
consulted a physician. His prescription consulterl a physician. His prescription was, 'Talie hin to the conntry, put denim overalls on him, and turn him loose ont of doors. When it gets warm afraid of a little dirt. Cleanliness mas be next to godliness, but it is only "clean dirt" children get by close con1act with Mother Earih.' I am a thorough convert to the 'dirt system' of reatment for puny babies."
IIy little neighbor across the way

No. 1 is of gray linen worked in colors. The flowers are first stamped on the material in indelible tapestry-dyes, and are then carried out in the color scheme of the flower or leaf in heary silk floss-the leares in greens, the flowers in shades of purples, old blues and subdued brown-yellows. The edge is a rery nnique piece of arork in but-tonhole-stitch carried out in pale green silk the color of new leaves. Black and white fails to give a correct idea of its beauty, which well repays one for the labor spent upon it.
No. 2 is worked upon heary white linen in coarse white nun's-cotton outlined with dark blue nun's-cotton in easy stitcles of long-and-short work; but the heary cotton makes the pattern stand out in a very prominent manner. It is a piece of work calculated to stand constant wear, and will launder well until it is worn out.
It is better to put time upon a large, serviceable piece of work than upon a small one which does not show for the

## TO MOURNERS

Alone-alone-aye, terribly, alone,
Alone with aching heart and bitter grief, Yearnlng in vain for loved ones who are goun Alone-alone-in its most bitter need Each human sonl is fearfuly alone The depths of others' sorrow who can read?
Or who can probe the ranguislo of our ourn
lone-in the black abyss of paill and sorrow, Striving aud fighting 'neath its bitter swa Ever alone, and finding each to-morro
But a renewal of the sad to-day. But a renewal of the sad to-day.

To hearts bereft of those they hold most
a whose sad skies no ray of sumight gleams, surely there is One abiding near.
Lord! iu pity bow thine ear and bearken of those whose vision clouds of sorrow darke And in thy merey draw them close to thee

- B. I. Duff.


## CHERRIES ARE RIPE

0CE more the season of fresh fruit relieves the houselieeper
from the preparation of made desserts. Yet there is one thing hich has to be considered, and that is the rapidity with which each lind of fruit comes to perfection, so that if you grow the small fruits you often have to prepare the surplus in some way so that it shall not go to waste. fruit, arranged with some green leares about it, is a most delightiful acabout it, is a most delightiful ac-
companiment to every meal. At breakcompaniment to every meal. At come as a first course; at dinfast let it come as a first course; at cinner it malkes a heathries makes them
slight acidity of cherries particularly grateful, and there are numberless ways of preparing them For lunch the following receipt is good: Freshi Cherry Marbalade.-Remove the stalks from a poind of cherries, and put them in a stew-pan with half a pound of sugar. Let them cook a few minutes, and then add half a pound of currants. Stew them all together until they become thick and pulpy. Set them away, and serve cold.
If you wish to have a very nice dessert without cooking the fruit the following is nice:
Cherry Salad.-Pit two pounds of cherries, and put them in a dish with two tablespoonfuls of sugar and a pineh of powdered cinnamon. Stir them well together, and add a glassiul
of sherry wine. This, too, should be served very cold. It is best to prepare it just before serving, as after pitting he fruit is apt to turn brown.
Cherry Jellr.-This jelly is quickly and easily made. Fill little cups or
molds half full of pitted cherries, then fill up the rest of the cup with mills in which an ounce of gelatin has been thoroughly dissolved and swectened to taste. Set on ice until hard, and serve with whipped cream.
Fresh Cherri Cream.-Take one cupful of currants and three cupfuls of of a pound of sugar. Boil quickly and of a pound of sugar. Boil quickiy and Then press the fruit through a sieve hen press the frut throgh a sle and stir into the syrup a pint of sweet cream, beating it until it is thick. Serve
in glass cups. This should be made about two honrs before you wish to serve it, and kept in a cool place
A dish which looks very pretty and is easily made is arranged as follows
Sugared Ctierries.- Boil a scant cupful of water with half a pound of granulated sugar until it becomes a thick syrup. Put into the syrup one and one them come to a boil. Take from the fire, and let stand until. cool, then put on again and gently bring to a boil. Remore the fruit with a skimmer and to serve it. Into the syrup put a tablespoonful of lemon-puice or a tablespoonful of currant jelly, and boil until spoontul of currant jelly, and boil until
thick, then pour over the fruit. Serve cold. It is very rich and particularly nice with sponge-cake
Many people are fond of tapioca, and cherries are sometimes prepared with
it as follows: it as follows.
Taploca Cherries.-About tour tablespoonfuls of the tapioca should be allowed to soak all night in a pint of
water. In the morning add a pint of pitted cherries and a pint of water, and boil with the tapioca for a few moments. Stir in enough sugar to make

It sweet, and let it simmer for fifteen minutes. Kiecp on ice until ready to is a great improvement.
Even in cherry-time come cold, rainy days, and on such an occasion a hot heart pry Cherry Bread-puddingi--Line a fair-
ly deep pudding-dish with slices of butly deep pudding-dish with slices of but-
tered bread. Fill this with layers of tered bread. Fill this with layers of
pitted cherries and granulated sugar. pitted cherries and gramulated sugar.
Squeeze over the whole the juice of a lemon, and cover the fop with slices of bread buttered on both sides. Put a plate over the top, and bake for one and one half hours, putting the dish in a pan of hot watcr. At the end of this
time take the dislı from the oven and time take the dislı from the oven and
spread over the top a meringue made of the white of egg beaten lightly with sugar, one tablespoonful to one egg, and return it to the oven just long enough to brown. This may be eaten is rery nice without it.

Cherra Cabinet.-Take a well-buttered mold, and on the bottom lay about six stoned raisins. Cover them with slices of any kind of cake you happen to have, then add a layer of cherries, not pitted, and arrange them as evenly as you can, then a layer of cake, then more cherries, etc. Make a custard of a pint of milk, the yolks of three eggs and three tablespoonfuls of sugar, and without cooking it pour it slowly into the mold, so that the cake will be thoroughly soaked, and set it in a pan of water. Bake in a slow oven
for an hour, or until the custard is well set. Turn out of the mold, and serve with either hard or soft sauce

Nannie Moore.

## LETTER-WRITING

In our forefathers' day, when there was more attention paid to education and less to fads in the schools, any advice on the subject of letter-writing
would have been superfluous. Then would have been superfluous. Then every man and woman was a complete
letter-writer in themselves; but now,

hould always begin by saying that the world is a desert since their dear-
(fill in the blank). went away, and that (fill in the blank) went away, and that
lation to your fricnds. They may bor row money on the strength of them, and get your fricnds into uncomtortable positions; but other people will be sure to do you that way, and that's the only y you can get even.
In answering a letter, never answer any of the ruestions that were asked in it. This would indicate an interest in your correspondent that is highly bourgeois. Always put off answering a letter as long as possible, and then take up three fourths of your reply in e plaiming that you have been so bus. There is a pleasing novelty about such xpression that cannot fail to charm.
When your friends mcet with a misfortune, do not trouble to sit down and write them a few lines of sympathy. our saying so. Never you feel without tions promptly. It shows at once that you are not uscd to society, and besides your hostess will enjoy the uncertainty of not knowing whether slic is to order efreshments tor five people or fifty.
When you are angry with a person, write and express your opinion of them
before you have time to cool off. You can get a lot of ginger in a letter that way that you would miss if you waited until the next day. If you are a gushing girl, don't hesitate to write sentimental epistles to any young man with whom you happen to get acquainted at
summer resort. He will enjoy reading summer resort. He will enjoy reading them to. It is also highly proper for a girl to write two or three letters to a man's one. It flatters his vanity to think she is chasing him down, and besides shows a commendable spirit on her part not to let a good thing escape For the girl who desires to make fool of herself no other field offers such unlimited opportunities as letter-writing, and her especial attention is called to it. Married men in writing to their absent spouses during the summer the camper's benefit. They necessary $\$ 10$, and consist of the knives, forks, spoons, cups and plates enough for half a dozen persons who do not expect meals served in courses. The cooking-utensils are boilers, frying and baking pans, broiler and toaster, coffee-pot, ladles, cake-turner, bastingspoon, flesh-fork, pot-cleaner, flourdredge, can-opener and salt and pepper boxes. It is far wiser to buy the set
complete than to economize with old complete than to economize with old dishes, because the ounts designed for campers are made to which is an imsmalcst possible space, which is an im-
The average camping party hires the The average camping party hires the
cooking-utensils, as well as a guide to cooking-utensils, as well as a guide to
the mountain retreat nearest the spot chosen for their camping-ground, and the guide is usually very willing to help in the "getting settled,". with numerous suggestions in regard to the adjustment of the rarious utcusils. But the experienced camper usually takes alon ${ }_{5}$ his entire outfit-buying it outright instead of hiring-having it packed and sent by express from the city, or, cheaper still, by freight if it takes up much bulk and the railway-station is not too far from the camping-grounds for convenient cartage
Even in the most charming and "back-woodsy" of camp-life the woman camper will not lose all thought of eare of her complexion. She does not intend to face the suns and heats of camp-life without her beloved creams and salves to fall back upon, and slie considers these among the most important of the "extras." Then, even the most timid of the campers does not
forget her rifle and her fishing-rod; and even it she does not have much opportunity to practise with the former, the fact that it is included in the extras of her camping paraphernalia will give her a feeling of importance, giving the camp-life an additional charm.
P. W. Humphreys.

FOR TO-DAY
Build a little fence of trust around to-day, stay;
Loook not through the sheltering bars upou

## God will help thee bear what comes of joy

[HOUSEHOLD CONCLUDED ON PAGE 17]



## Chapter IX.

${ }^{\mathrm{N}}$ the ninth day of Septem ber Mr. Vau Gllen fonud
Harry Ford hangluc aroun Harry Ford hanging around
near the desk when he near the desk when he
c:ime in from dinner "Auythlug drne "Auythlug to say, Har-
ry?", he asked, heginning to arrange hls, papers. Harry, in a low tone witl a grince at Miss Kicely, the little book-keeper.
,t sald Mr Van Gille
Come thas way, sald Mr. Yan Gillen. which was separated from the main room hy a cedar railing with a fancy wire top. Bnt It wonld have beeu easy for any one outside to hear what was said in the office if they lad lingered close hy. No one ventnred to do that, though several of the clerks cast
dissatisfied looks lut that direction. But it dissatisfied looks lil that direction. . But it
happened that Frank Armstrong wos a case of fall goods risht back of the railing aud be did hear distinetly wheu Harry, in answer to Mr. Van Gillen's short "Weill, sir?" said, "There'll be a sale Saturday, Mr. Van Gillen; summer goods and remmants, going
"Ali right. That will do."
Harry left the office, aud Frank, behind it dropped his pencil in sheer surprise "Well, I've canght ou to the old man's scheme now!" thonght he. "I wouldn't have
helleved it if any oue had told me. r'll never respect hlm again as 1 have done. As for that rascal Ford, I'd llke to lick him ont of the store! If he ever glves me the least
chance rill do it, too!"' chance I'll do it, too!"'
Frank did not dare tell just what he had
heard, for fear of losing his own sitnation heard, for fear of losing his own sitnation;
hut he did whisper among the rest that Ford hut he did whisper among the rest that Ford
was nothing better than a spy on the new folks, and it was soon notlceable how plainiy forks, and it was soon noticeatle how plainiy
Ford wiseu the cold shonlder, until his piace was uot a very pleasant one to put piace was
It mildy.
Thnrsday night Mr. Van Gillen set his force light remnants. Not oue of them was sur-
lighn down smmer goods aud prised when, on Friday mornlug, the bill appeared in Begole's window for the same things, though a number of the employees openls said they were ashamed to carry on
business ilte business ilke that.
No bill was put up In Van Gillen's, hut
there were the windows to there were the windows to speak for them-
selves, crowderl with fleecy and dainty sum selves, crowded wlth fleecy and dainty sum-
mer wear, with prices marked down to almost mer wear, with prlces marked down to almost
uothing. Notices of both saies appeared in uothing. Notices of bothd sthus virgie and the evening papers, and thus Virgie and
siss shaggie learned about it. They knew hetter than to sily a word, hit Miss Maggie said to Virgle, "I do wish Jason would stop that sort of work! He'll get a lessou he wou't forget if he don't!
Bego, Aunt Maggie, yon don't think Mr. Begote will do anything to injure papa?"'
"No, I don't; hut I wouldn't hlane hlm if he did; your pa's done all he could to injure him. No, yon wait and see, and mark my
words. I believe iu providential punislmeut, words.: I believe iu providential punishmeut,
Virgie did not slecp Friday night, her mind was so full of worricd thoughts. The weather,
too, was very oppressive, hot aud snltry, with a peculiar sigh in the air now and then, Whice it means a stom, had learned fear. It means a storn, if not soluetinng
very terrible indeed. But Saturday worulng dawned clear and bright, as if to cast thel dawned clear and bright, as if to cast their
fears to the whids, which anylody who has ever been ont there knows can carry things a goon iong distance.
Virgle was obliged to go to the store for
some material for a dress she was having some material for a dress she was having and rush. It was not yet elghit oclock when she entered the store. As she did so she chanced to look up and across the street. Mr. Begole stood ou the steps or his own store. He lifted his hat, and howed, and Virgie returued his very instant she heard agaiu that queer sigh in the air. "What is that"" she thought, and glanced at the clonds. They were siighitly glanced at the cloud. They were she one little streak of black showed in the west. "1 wish it wouid rain and cool things off," she said; "but it is uot very likely."
She went ance to the connter where she would find what she wanted. Her father cance over and told her he wonld like her to stop aud sce son
broughtit in the day before broushlt in the day before
"I don't think I will have time thls moru-
ing, papa," said Virgie. "I want to get home hefore it gets too hot, and I have to go to
Miss Reed's with my lace. rill eome down Monday, perhaps." ${ }^{\text {My }}$ lace. F'l come down
As she spoke there was a sudden darkenlng of the store, then Ight again, aud the uest of the store, then light again, aud the uext
moment, to the surprise of all, Mr. Begole
came hastily into the store aud walked came Lastily into the store aud waked every clerk within sight canglit a sudden
breath. Was there going to be trouhle?

Mr. Van Gillen drew himself up very stiffy, as if ready to meet ansthing. Mr. Van Glilen," spoke Mr. Begole, In you that you had hetter send y came to tell home as speedily as possible. There is a sinndstorm approaching. There is a cah at the corner. Shaii I seud it to you"
"A sand-storm! oh, merey!"
The cierks hegan to flock toward the door, and at that very moment a pnff of whind shrieked through the building with territic force, throwlug down the goods near the door, while they ali heard the peculiar whistle which tells the people of that region what is coming.
already," said hut I'm afraid it is too late arready, said Mr. Van Gillen. "Wili you
try it, Virgie?" "Oy it, Virgie?
couldn't bear to stay here ail day! Be quick, please, Mr. Begole; call the cab!"
But the sonng man was already out, and the cah at the door.
"He can get her home if he wili drive fast,"
aid Mr. Begole, puttlug Virgie into the

wlth as muel coolness as if he was used to doing it every das, whlle her father stood
alusolutely speechless with astonishuent, and absolutely speechless with astonishulent, and the clerks were doing their hest not to smile at that daring fellow. ©uck, now, man, Begole added to the "ri
hefore the storm comes!"
"Aye, aye, sir!" The man touched his cap, the cal rattled away at a furlous speed, Herown side of the street directly, glving orders to close the store before the storm struck them. heard ell, the chers of that again, issuing his own orders in firm, short tones, "Close the doors! Quick, hoys! Shut up every crack, and throw the covers over
the goods! There will he no trade while this lasts! We can thank the Lord if we get off with our necks!"
While they w
While they were husy he hastened to the tclephone, sent some orders to his grocer, then alled his home, and asked if virgit was there
safe. Bnck came the reply in her own voice, safe. Bnck came the reply in her own volce,
"Yes, papa, ail wafe!" It, was remarkable that ahout the same minute the telephone rang agaln, and when
Virgie answered, the question came, "Is that Firgie answered, the question came, "Is that
you, Miss Virgle"." "Yes, it is I. Who is this?"
"Herbert Begole, Yon are
right?" "A home ail not lu the room, so Virgie added, "olla, please take care of yourself to-day!"
"Yes, I wlll! aud sou, too!"
"Snch a fellow! I nerer saw his mateh! To waik right in on papa like that; wasn't
it rich? Oh, I hope they won't have an awful time to-day!," hope they won't have an awful Hut it was ane tives lost in the sand-storm, hut it was one long remembered in the reglon ricane in relocity, and it carried ou its sting ing wlugs so heavy a shower of sharp, hot saud that the sky was darkened for several honrs, gardens and fields huried aimost out of sight, and everything in its way coveren with a blanket of sand. No business could he done. No human heing or even horses were ont, unless forcibly ohliged to be so, and these sought shelter as speedily as might stools and boxes, and theres sat around on customers that dur, for Van Gillen did not attempt to go lowe to dinner, but seut them word by the telephone so they nere not aliarmed. Uutii nearly four $0^{\circ}$ clock that afternoon the storm raged, not so furiously as at first, hut uaking it rery nopleasaut, if not dangerous, to be outdoors. The temperature feil to a very low degree and in the evening there came, as a fiuish, a
terrifie hali-storm to complete the ruin the and had hegun.
When Mr. Van Gllien came to supper, tlred out with the worry and disappointment of th day, Yrgie was too wise to say a word, bu Miss Maggle gave him ber oplnion very promptly.
ow, Jason, you see how it is-you did not gain oue thiug by trying to beat down that young man to-day. I hope it will he a lesson nwful will come npon you, just $\ln$ retribu nwful
tion."
"Nonsense, Mag; you talk just like "Nonsense, Mag; you talk just lik
woman!" was his reply, whth a frown. woman! was his reply, with a frown. rigit, and if you don't mend yonr ways, Jason Van Gillen, you wiil hive to see that I am." "It seems to me your ruic don't work wello" he rejomed, salcasticmins: "if 1 dirnt make low: his tolle whe neither did that other fel

withs, it will. The innocent always sumfer with the gnilty." Then, as if foring she had gove a triffe too far, Miss Maggie adroitly turned the conversation to the tempting shp nature wals measurabiy restored.

## Chapter

It was impossible to contimue the sales over until Monday, for in spite of ali care the
fine, sharp sand sifted through cracks and crannies upon the goods displayed in the wit dows, and it hecame necessary to take evers-
of me."
"That's what I rueau to do. All right!" "Good-by
She raug the hell, and sat down in a chair and langhed softly, her eyes sparkling, her cheeks glowing.
thing out and slake and cleanse it thor-
oughly. Mr. Vau Gilleu was very much ont of humor for sereral days, and Aunt Maggie and Virgie were rather reileved when he told them, ahout the middle of the next week, that "ras going away on husiness.
that land affair," he said, alluding as they knew, to a plece of property with which he had some trouble, which lay just outslde the city of Lincolu; "hut it will likely take me two or three days, marbe longer. I'm going to do somethiug with it this tlme, if I have to glve it away,
"A few dnys' rest wou't hurt you, papa," "All right, daughter; thank you. If anything requires une before I am ready to come send me word.
"Of course, papa; we will."
Bnt not one of them dreamed of the events which would make MIr. Van Giiien's presence at houne Imperative in less thau twentr-fonr uing to drop Mr. Begole the sllght hint which she knew would be sufficient, and allow him to call on ber. But the west moment she hanlshed the thonght.
No, I cannot do It when papa is at home; tell me to walt untii he can call with the same llberty that any other gentleman would have. Lut I do wish I could see him to-night. I feei so loneir and somehow as if somethlng was going to happeu. I don't know what has come over me, hat I want to see him wore thau I ever did before. Dear me: What makes a giri so silly when she likes a fellow, I wonder?'
Which was a very plain admisslon on Miss
Virgle's part, thongh she would not have Virgle's part, thongh she would not hare made it if any oue had hecn there to hear her. Neither did she fancy that her dosire
see Herhert would be a little more than grat ified hefore they slept that ulght slept that ulght.
She sat out on the verauda awhlle, then went into the parlor, Where Annt Maggle was an hour or more. Tlien she got up from the stool, drew a sleepy sigh, and sald, "Aunt Maggie, it isn't ten ret, hut I helieve I am slecpy, and If you won't mind I'll go to hed.' Aunt Aaggle glanced up from ther novel "Certainly I don't mind, chiid; go if you like I'li come up as soon ns I finisl my book. rou afrald while your pa is gone, Virgie? "OL, uo; not at ali. There are three of us, ing of old Ponto. Jane no: I-to say cothing of old Ponto. On, w, Fm not arrald
Are you?" Are you?"
Not a mite. I only thought rou might be and if you were, we conld have Joe sleep lu the "And let some one steal papa's horse whlle Joe was off duty? Oh, no, Annt Mag; we're all right. There! Hark! Wasn't that the fire bell?"
"I didn't hear ansthing, child.
But they both listened, aud again the sound camc-ding, ding! dong, dong, dong!and Miss Maggie sprang to her feet
"Twenty-threc, Virgie" It unust he near the store! That's the boa right on their corner!' "Oit, my goodness!' eried Virgle, and they hoth flew out to the veranda. Oh, borror! a dull red light, mery instant growing broader and hrighter, loomed up in the sky ln the direction of her father's store. People were
 "Come on, fellers! I'li bet it's oid Van's "Come
"Get a shawl, Aunt Mag,
too!" said Virgle, excitedly.
"!"' sald Virgle, excitedly. I "On, my gracious, child. I nm that scared Hiss Maggle, tremblling from head to foot "Jason gone, and the store ou fire! What In the world shall we do?"
"We are not sure it is the store yet! Those boys may have been mistaken, hut we'll go and see!
VIrgie fiew Into the hall, suatched a couple of llght wraps from the rack, threw one around Aunt Maggie's shoulders and put the other on herself; then they ran hurriediy out, and pressed throngh the ever-lncreasing throng to the bnsiness square.
Ies, It was only too trime!
Yes, it was only too true! The hulding was on fire, all the back part of it hazlug furlous-
 men, aiready bra
Annt Margie hegan to wring her hands and ry, and ripupe felt her own strength glving way with frimht.
"Oh, if pap:a was only here, aud couid just save his looks, If nothing more!" she walled, as Aunt Mageic - rome to her, wreping and almost falling in spite of Virgle's efforts to hold her up. "Can nobody do anythlng? On, what an awfil-
But she stopped suddeniy, for a ciear, strong young voice rang out on the nlght nlr, above the hoarse cries of the firmen and the you can't get the ker! "Here ail door down if youl lut a mals property hurn, and not try to sulve it" stnud out of the way there! to satue it: Stnnd ont of the
Nown. bors! Steady! s-t-e-a-d-y!"
"By George, it's that soung fellow Begole!" rried a man near hy (though Virgie knew who it was the first word). "He is going to break the door in, nud try to save the old man's books, as snre as I live! Lord, but be's a boid one, to go into that hiazing heil!"

Virgle threw one arm ahout Aunt Maggie,
nd stond stlll, ahsolutely holding her hreat for what came next
"Open iny store
an get over there!" rung out the elcar toues.
Hll!", dasked luto the huilding, followed hy ten or a dozeu hrave yonng men who mere
sthaulated hy his example to do their utmost, amid the eheers of the crowd outside and
the rells of the fireunen. A minute of deathly suspesse, then the gronl, inside were seen
rolling something toward the hrokeu-in door "It's the safe! By Harrs, they hare got
the safc! Here, fellows, let's help!" was the cry from the street, and willing lituds lent their aid, while the heary safe was rolled out
of the doomed hullding, wheled over the strect, and pushed into Mr. Begole's store tream of water playing, in order that it might not
sparks.
"Now coune, bors, save what rou can!"
eried Begole. "I'm going hack after the
hooks! Mlss Van Giileu, you here? Oh, don't stay! Go houre, and let us do this work
"No, no!" cried Virgie, dropping her hold
of Auut Maggie and stretching out her hauds to him pleadlugly. "I will not go! Oh, please please don't go hack there! You risk your
life! The books-they must he in the wafe!" "No. Here's the book-keeper; she says three
or fuur were not put in to-uight. I must get em, dear girl! Let me go!
go! See! the fire las reached the front now Oh, let everything hurn, hut sare yourself!" dropped them, and ian hack into the hlazing less with fear and suspense
allve," said a bystander. Virgie heard the words. She gave one shrick, and was almost in a swoon, when she saw him emerge from
the front door and stager across the street, the front door alld stagger across

Vlrgle! 'Virgie! Come hack! Don't leave me!" was Aunt Maggie's cry, as the girl
darted from ler; lut Virgie paid no heed to her now. She flew over the way, through the surging throng, and into the opeu door, the books to one of his own meu. As he young arms, aud supported him in his fall against a pile of woolen goods.
who pressed forward to the help of hoth of them. "He did it for us; don't keep me a way from him! Oh, Herbert, Herbert, you are
lint. youl arc burned, and it was all for ns!" And right there, in sight of the curious
lookers on, she hent suddenly down and kissed him on the cheek.
say; but hls evertlons hadg!' he tried to say; but hls exertlons had heen too much
even for his young streugth on that hot night, and for a moment he fell baek quite unconselous.
"Call a cab, and take him straight to ou and send a telegram to my father, quick!" send the word?" asked oue of the clerks. Vir gle gave the address of her father's hotel in Lineoin as he had given it to them. "What time is it?", she asked.
"Then if he gets the message at once he can come houne on the twelve-thirty train.
Oh, I hope he'll get lt: Ask for au answer, Oh, I hope he'll get lt: Ask for an answer,
please, and send it to our house for collection. Oh, do hurry with that cab! Do hurry

## "Is the fire goiug down?

"Seems to he under control. Yes, I think the stock is gone for good.
has insurance. Is tho one is hurt. My father "Yes, miss, here it is."
Virgle knew that she had eommitted herself would not be slow to people of Ashlaud between Mr. Begole and herself; but she did not care now. Her hlood was up. He had done enough, she meant to stand by hin come what "Herbert! Herbert"" she said, ben
hlm, "do rou know me? Can bending over hlm, ',
me?",
"Yes
"Yes; I'm all right now," be answered,
lifting his head from its rest on her soft shoulder. "Don't roorry, dear girl!",
me, and we will doctor you cone home with Mag. Te are all ready. No, no!", as he would have resisted her light touel, "it is my turn
to-night! I will be obeyed. Come! Oh, Aunt Mag, do send for Dr. Mitchell! Tell him to eome to the house as quick as he ean!"
"Yes, I will," said Aunt Maggie,
stauding everythiug. "Go on, Virgie; I'll
come with the doctor. Go ou, please"" come with the doctor. Go ou,
"You had better ride with us
"No, go on; don't keep him waiting. I won't
he two minutes behind you." he two minutes behind you.
Virgie fairly drew ar. Be
the eab, and they were seated in it. driving The glrl's courage gare way when she
found herser found herself alone with him, and she burst
into tears aud solbed pitlfully. He put hls
arms a hout her, salying, tenderly, "Don't, sweet; don't give way when you have heen
so hrave! We are hotll safe now, you kuow!" "Yes, thank hearen! Herbert, if you hat orer it?:" And she fairly dropped on his hosom, while he said, iu decp, tremulons
tones, "Do you care so mueh, darline? Then we will not be parted agatiu!"
"'vo no
rerything we will not! I shall tell papa stop me now, Herhert; ye comes. You cant awn sake. If not for yours! I could not he you as I have heen, and I will tell now!'"
"Well, my darling, I don't know hut it w "We best, after what has happened.'
"ight there hefore the crowd, Why, I kissed you right there hefore the crowd, aud I don't care poor, hurned hands. Oh, forgive me! Won't we fix you up good, though, when we get you home?"
"Virgie, what
me in his house
mau, that he was just the very one for Vir gie," she declared. "It's the hest match in
the world, and don't you forget that I'm to eome up and help with the wedding fixings." Joanna did come to help, and Suc aud Mrs,
Pearsou were there as guests. Strange to say, Pearsou were the fire is guests. Strange to say, Mr. Van Gillen did not go back iuto hls old
place. He took what goods were unlnjured over the street, and two or three months hefore the wedding a new sigu was over that
door, hearing inl hlue and gold letters the words "Begole it Van Gillen," and the trade which went to that store was enormous.
Virgie and Herbert received mauy choice weddiug gifts, hut the greatest oue of them all was fromi Mrs. Pearson, a check for ten as she loved to eall them. She further said that having no near kin to whom to leave her a portion to charity, and Virgie rould he her a portion to charity, and irgie mould he her ry snug fortune.

## him end

MIDSUMMER
I watch the mowers as they go;
Througl the tall grass, a white-sleeved row ;
With With even stroke their scythes they swing In tune their merry whetstones ring.
Behinat, the nimble youngsters run Behint, the nimble youngsters run The cattle graze, while, warm and still The cattie graze, while, warm and still,
Stopes the broad pasture, basks the hill, And brigit, where summer breezes break, The green wheat criukles like a lake. The butterfy and Dumblebee Come to the pleasant woods with $m$
Quickly before nie runs the quail, Her chickens skulk behind the rail, High up the loue wood-pigeou sits, And the woodpecker peeks and fits; Sweet woodland muste sinks and swells, The brooklet rings its tinkling bells,
The swarning iusects droue and hum, The swarning inseets droue and hum, The partridge beats his throbling drum The squirrel leaps amoug the bon
And chatters in his leafy house, The oriote flashís by, aud, look! Into the mirror of the brook, Where the vain bluebird trims his coat, Two tiny feathers fall and float.

-Joln T. Trowbridge

A CASE OF LONG STANDING "That's it, papa! 'Fess up like a man daneing eyes.
Begoie lightly slook his head at her, and said, in a mauiy way, "Therc is nothing to than I tried to do to-night,' but I shail he roud to know that sou no longer hate me." "Papa, what he did down there is not all
ou owe him!" put in Virgie. "No, keep stili, sou owe him!" put in Virgie. "No, keep stiil,
Herbert; I will tell every word now! Papa, 'was this roung man who sared me on the wreck of the steamer! It was, Aunt Maggie nd I knew him all the time!'
Mr. Nan Garned deathiy pale and unade a gesture of distress.
"Vlrgie, da
"Papa, the silly fellow would not let me He made me promise solemnly not to, bceause he would not take any advantage
Come, I'll tell you just how it was
She went down on her knees beside he father's chair, and while he leaned his head n his haud and kept his face coneealed, she told the littie story, and ended up with "Now you see, papa, what a bravc, uoble, rour life, aud give hini anythiug he wauts!' Mr. Van gilen laid his hand on Herke shoulder, and eould hut just make out to say beside the humiliation I feel in your presenee this night! f ean never make presfor the way I have treated you!"
"Don't speak Ilve that, pleasc!", urged Herhert. "It is all forgotten, if there was any thing to forget! If you wish to do anything for my happiness, give me this!'
He took up Virgie's little hand, and she let it nestle in his clasp, while she looked up, and said, saucily, "You may as well, papa, for I kissed him
crowd to-night!"
A few minutes later, while Miss Maggi was preparing the rooms, that they might rest the short time left until morning, Her Then he drew something from his pace alone Then he drew something from his pocket with his mell hand, and said, "My darling, give me that little hand again." She placed it in finger, saying, with a smile, "I don't bellev I ever heard of a girl getting engaged with her own ring outside a comie paper; but put it haek to-night, sireet, and I'll get you a new one to-morrow. It has hrought sou to
me, and will always be the most precious me, and will always be the most precious
hit of gold in the world to me!" "To me, too!" answered Virgle. "I am glad to get the dear little thiug baek, but I wa sure it was safe with you, Herbert. Won't they all he surprised to learn that it was
"They," meaning Anut Maggic, Mr. Van Gil en, Sue and Mrs. Pearson (who were written Joanna, when she heard the wonderful news, refused to be surprised at ali.
helen hices

urf of wind canght up the
chafir under Jake Horton's feet and whirled it gidaily across the harn floor: The north doors stood open, down the gravel road
he saw advancing down the gravel road a procession of dead leaves in a crest of Little Pelior great hattalions of ink-black elouds were shouldering themselves forwara, and der in the freshened air. to be a blow tally, as he thrust his arms into his blueswung down the path toward the house. Half way dowin the hill, in the midde of the path, stood the small, erect figure of a child. The-little fellow, was batanciug himself earefully on a pair of stout, sunburned
legs; his fists were planted ou his hips, and legs; his fists were planted ou his hips, and
a look of large, pleased ohservance sat on the a look of large, pleased ohservance sat on the "Hello!" cried Jake, his jaw dropping, The young strauger's only reply was to meet his interiocutor's regard steadily, and to expand his eountenauee into a broad grin
wherein scveral snaggly little teeth played a conspicuous part.
Jake knew all the children within a mile The big pane, hut this was not one the little man in solemn perplexity. Hc was not littie at coming to conelusions, and there was a with its straggling mustache and black, hea ily marked brows. "Who he you, sonuy? he asked again.
The youngster only opened his eyes wider and rubbed one hare foot meditatively over the other. Jake lifted up his own eyes luto and saw a sight that startled him. The and saw a sight that startled him. head; the air was murky and thiek with dust, and on a sudden he saw the summits of the maples in the sugar-bush lashed iuto fury and the earn on the slope bowed to the earth. Catehing the small man. up on his shoulder he made a dash for the housc. It was only a short ruu down hill and on a
well-worn path, and they had reached the porch with the young estray's sticky hands elasped about Jake's neek just as the first crack of thunder burst overhead and the first heavy raindrops rushed against the carth. It
was not too soon. The storm broke furiously. Peal after peal of thunder shook the house an elm lu the front yard snapped midway vlolence of the wiud, and in the anden through the slantling lines of rain and the cloud mists which seemed to sweep along
etables harried and ragged and beaten flat. wailed hls guest, suddeuly finding his small Jake sprang to his feet. "Sow, see here,
conny. You hold ou till we git a fre and scratch up suthin' to cat," he said, appeal ingly, while he dashed off the llds of the paper and klnd Ting-wood in wild haste.
The fire sprang up merrlly. He filled a ket 'Don't sou cry, now, old man," he said, ce worked. "Just you wait an' glt your supper, an' then we'll see what we kin do
fur you. We'll git you home to your matr, ane enough.
truded truded alarningly, and two tears stood ou of supper he raised his head with attention. "All' what 'u'd he good fur you, now, I hoard, looking dubiously at the full-grown fork and wieked knife he was obliged to place for his charge. "A cup o' tea? Naw! Tea
ain't fur lectle folks like us, is it? A softh'iled egg an a howl o' sweet milk with bread crumbled into it, I gucss, 'u'd he more like the thing. An' now, sir, youl just staud around an' watch me like a man till I git It ready; an' then you an' me'll set down
together. Here's the bread, an' here's the together. Here's the bread, an' here's the
milk, an' here's this here little blue bowl milk, an' here's thls here little blue bowl
what I used to drink out of when I was a leetle feller myself!", figure to and fro with tireless persistenes, submitted to having his face washed without blinking, and finally, on a ehair heightened with old eoats and pillows, sat solemnly at meat, his mouth hesmeared with yellow egg. When the meai was over Jakc drew his chalr before the blazing fire and lifted the child up on his kuee. He pressed the tousled head against his breast with his huge brown hand, and after a moment's wary sertatiny the little one lay baek contentedly, regarding the fire and his own small feet as they stuek straight out before him. Presently his hreathing grew measured, hearier-he was asleep. position. The rain fell monotonousls on the position. The rain fell monotonously on the shingles, the eave-troughs diseharged thelr after blazing out its euthusiasin sulasided into a gray and dismal ash.
"I wonder if I could just git out my pipe thought, guardingly puttlng his hand back in the direetion of his hlp-pocket. igh restless turn of the sleeper's head and a Then with a sudden a usual restraincd him. made him tremble as he responded to it, Jake rose and laid the little fellow tenderly in orner of the old haircloth sofa. "There, now, old man; you'll feel easier like," he
whispered, as he covered the plump limbs with his coat.
He straightened himself and went to throw pen the door. The rain was over, and a broad band of orange light lay along the $y$. The air was full of the smel came a gentie sound of dripping, as from thousands of tiny leaves. He leaned against the door-post and lit his pipe. He had rening hour; neither had the to face the him content, nor did the future hold any chcerful prospect. He saw himself a mlddleaged man, alone and growing older. The small head against his breast had left a mis erable lonellncss and dissatisfaction there Away across the river and half way up the
slope of the opposite hill he could see a spot house house. He never saw her now; no, he had ago, when she married Tom Garrett aud went to live on the hill. Yes, it was five years now. He' had taken care not to meet her but he knew perfeetly what her life had
been. He knew she had chosen badly, that she had a drunken husband who ueglected
his wife and wasted his substance. Yet after Tom Garrett died he had never thought of putting forward his own suit agaln. Once he
had spoken, and Liz had answered. It had had spoken, and Liz had answered. It had never entered his simple, honest heart to eon
ceire that there could ever after be any but
the one answer possible to give. She was the one answer possible to give. She was
living on alone with her child in that little living on alone with her child in that little
house on the hill, and there was all the distween them.
Yet he knew himself to be unchanged. He mother's littlc belongings still stood in their aceustomed places-her chair hy the window, her work-basket, with the interrupted pateh-
work neatly folded, as she had left it, though she had heen dead three years. He had never openly bemoaned the loss of her, hut he missed her every day. And it was so
with his remembrance of Liz-it was hope With his remembrance of Liz-it was hope-
less, but it was there, and he would not

## The images whieh passed before his mind's

 ye were so vivid that for an instant he was not sure that the woman's figure hurrylng to them. A certain lmpetuons grace of moveas she adranced against the sunset light, seemed to mark her as something dear and
familiar. Then he saw that it was Liz. She familiar. Then he saw that it was Liz. She
was hurrylug now; she was running, barewas hurryhy now; she was running, bareheaded, with her lips parted for breath and
her face flushed with crying. Jake started her frward, then paused, motionless, expectant. She reached out her hands toward him. "Hev you scen my boy. Jake; my baby in' for him-all through the storm!
He stepped hack, and Liz's quick ere detected the little recumbent figure on the sofa. She sprang forward and gathered the chlld up in her arms, burying her face in the short eurls. Then she raised her eyes to Jake. He
lald hls hand on her wet shoulder. snowed he ras yours-I loved him sol",

PORTO RICO MANUFACTURES General Davis says in one of his reports: "Industry in Porto Rico has not reached countries, owing not only to the lack of acthe requisite protectlon on the part of former spanish governments." He adds to this an have heen, "the future is full of promise." Porto Rico is esseutially a mountalnous country, which has been likened to "a soldler's campaign-hat, the crown being the
uplifted ceuter and the rlm the coast plains." uplifted ceuter and the rlm the coast plains."
While thls is in a general way true, the While thls is in a general way true, the
steeply sloplng sides of the central height are deeply corrugated by the inuumerable small streams, which, in their swift seaward There is a wide difference of oplnion as to the practicability of utllizing for mechanical purposes the water of these streams. Lieu-
tenant Eanmes expresses a decided opinlon that In the Pouce district there is no available water-power, principally because of the variable amount of water in the streams. He
sass: "At times this water rushes with such a sudden and riolent force and in such an lncreased volume that no machinery could stand agalnst it, and masonry provlsion against thls increase would cost so much as to make it prohlbitlve." To give additional force to hls assertlon, the officer $\ln$ questlon cltes the case of the Rlo Portuguese, Whlch, When "up," swept a two-hundred-foot steel
wagon-bridge from lts abutments and deposited it some two hundred feet down stream, feet from the mean height of water, and was strongly anchored to the masonry abutments. This wrecked brldge, which may be seen by auy visitor to La Plara, bears mute testimony to the great force of the rapid Island rivers. differcnt phase upon the matter. He says of the rivers Loiza, Baramon, Plata and Negro, in the San Juan district: "All have plenty of fall, and with dams plenty of water to. afford great power," adding the assertion that freshcts would make strong and expensive dams
necessary, but concludes with: "The absence necessars, but concludes with: "The absence
of coal renders thls form of power so necessary that the increased expense would be a
small consideration." Major Thomas evidently uas of the same opinlon, his testmons belag: "The water-power is most excellent all reservolrs, easily constructed, the water could be utilized in a dozen different ways-f
sugar-mills, coffee-mills, electric-lights, ele trle roads, all kinds of manufacturing." set this latent power has not been applied to mechanical uses to any extent. The officer Whlch is wooded, sass: "I have not seen a
lumber or saw mill of any kind in the distrlet, and lumber is manufactured by hand." That bcing the case, it is a foregone conclusion that comparatively little is done with the rare and valuable cablnet-woods which Trest Indles.
Although the island is so densely populated, and so large a proportion is under cultivation,
that I found the forest arca much smaller than I had supposed, there are stlll many fine specimens of mahogans, ebony, lignim-
rltae, cedar, ausubo and tachuelo, the tro hand-work has been succeeded by power in some form tachuelo will be little used. It
is hearler than ebony, has something the appearance of mahogany, but is stronger,
harder and most difficult to work, it belng harder and most difficult to work, it belng
next to impossible to drive a nail into it.
At Cabo Robo, in the southrestern corncr of the island. all the native woods can he seen
at a small manufactory, wherc, by slow hand
process, they are converted into walkingsticks. Whlle there are other factorles. this is
the center of the walking-caue industry. Al ready the place is well kuown to tourists, fow
of whom think of lcaring Porto Rico without
an assortmeut of these stlcts, which found in laurel, cocoanut, magues, ausubo, rleties, some extremely hard and brittle, others soft and easlly worked. It is consid-
ered that the handling of native woods for
bullding purposes would uot he profitahle,
and a great proportion of the timber used is and a great proportion of the timber used ls
Imported from Norway at more than twice the price the same wood would bring in
the Unlted States. Examinatlon of the few
houses iu which native woods were used show as when built, a half century ago. It is predicted that hat-making, in whic mercially, a more important place than ever before. Already the fine quality and durabil-
ity of Porto Rican straws have attracted the attentiou of Rican straws hare attracted the States.
Austher source of income has been the expand pesos worth having been marketed in ontinental Europe and Cuha in the year 1897. For bricks, flagging and tile-making there is found plenty of material, and, although the very primitive, almost every town of any size has its brick-kiln. The hrlcks manufactured are longer, wlder and thinner than those in use in the United States. Usually rather friuse in the United States. Usually rather fri-
able and sandy, the qually doubtless could able and sandy, the quallty doubtless could
be improved by more careful selection, manipulation and firing. These bricks are used for sidewalks and for houses, but in the latter case are nearly always superficially stuccoed.
The only potteries seen upon the island confine their productions to rough red jars and water-coolers, although there is little doubt but that the quality of the output could be immensely improved by more careful manipulation.
Several small factories, latcly established,
extract oll from the cocoanut and starch from extract oll from the cocoanut and starch from
1he Fucca. The cocoanut Industry-ret in its the yucca. The cocoanut Industry-set in its infancy-1s capable of a great increase. In
addition to the demand for oil and copra addition to the demand for oll and copra
(the dried nut), it is said that so much desiceated cocoanut is used by confcetioners in the United States that the supply is quite unequal to the demaud. There are a few places where chocolates are manufactured, and matches are produced in limited quantities. Mayaguez is credited with two foundrles; the Standard Oll Compans has, at Bayamon, a small refinery; a fers ice-plants are in operation at San Juan, Ponce, May-
aguez and Guayama; San Juan boasts an aguez and Guayama; San Juan boasts an traveling-cases are manufactured, and most of the towns have shoemakers, silpersmiths, The industries tailors.
The industies connected with coffee and Aslde from these and sugar-mating it will be side from these and sugar-making it will be one ought to apply the term manufactures that in general all attention is confined to the few industrles which supply the slmplest domestle needs.-Boston Transcript.

## A CURIOUS EXPERIMENT

"A curlous experiment which any one can perform at the cost of a few cents is herelcan." "Buy one ounce of liquid sodium amalgam,. a sheet of aluminum costlng a few cents, and about six lnches of stout copcopper wire, so as to give it the shape of a pencll. Rub off the surface of the aluminum plate with a knife just before beginning the experiment. Dip the pointed end of the wlre into the amalgam, and after removing it, corering with the liquld alloy, write or draw on the aluminum plate. Dip your wire into the amalgam from time to time, just as if sou
were writing with pen and ink. Never mind the fact that your ink is a metal and that your pen seems to write nothing but to see what happens. "The lines just traced by your pen will
suddenls assume a dull whitish tint, contrasting with the brightness of the metal. Then they will rise above the metallic surIace at the rate of about one inch an hour.
In less than five minutes your drawling will be in strong relief. You may wipe out the white substance which has thus sprung from the same metal; it will develop again with the same rigor as would some kind of mushroom gifted with the rather abnormal property of thriving on metallic ground.

## These white formations conslst principally

 of alumlna. The cause of the grawn is the formation of an amalgam of aluminum, in which that metal is in a molecular statealtogether different from that iu which it exists $\ln$ its coherent form. Although mercury has less affinity for oxrgen than aluminum, as soon as an alloy of the two metals is
made aluminum loses its previous chenlcal incrtia, and undergoes a slow combustion, the product of which is alumina. Sodinm plass I found it. difficult to get the mercurs to also the adhesion of uiercury to the copper weather if the results are obtained in damp of the experiment, results just as good will to time on the drawing, so as to slightly moisten the amalgam of aluminum.'


## WALTHAM WATCHES

## The best and most reliable time

 keepers made in this country or in any other."The perfected American watch", and illustrated book of interesting information about watches, will be sent upon request. American Waltham Watch Company, Waltham, Mass.



## WANT A WATCH? <br>  <br> BOYLSTON \& BENT, Rochester, N. H.

## G0LD FILLED GUARD=CHAIN <br> $\mp$ HIS chain is of a late and stylish pattern, large and heavy, and the links are the same size as shown in the illustration. Full length about forty-eight inches, seamless, I -Io gold filled, gold-soldered links. The front and back of the slide are solid gold, and the stones are genuine, seven pearls and an opal. <br> Such chains are usually retailed for $\$ 5$ or more. Wholesale dealers get about $\$ 3$ each for them. We have arranged direct with one of the largest manufacturers of chains in the United States for a large supply of this pattern, and therefore make what we consider a very Special Bargain Offer. <br> If on receipt of the chain you are not satisfied that it is a genuine bargain and worth more than the price, return it at once and your money will be refunded. <br> We Will Send This Guard=chain, and the Farm and Fireside One Year, for <br> This chain given as a premium for a club of EIGHTEEN yearly subscriptions to Farm and Fireside. Order by the premium number as given below the chain.

## GENUINE DIAMOND BRAND RAZOR


best oil-tempered steel. Satisfaction guaranteed.

Given as a Premium for a club of five Yearys Subscripitions to the Farm and Fireside.


TO PRIZE LIFE'S HARDNESS

To prize life's hardness-find delight in wass That scale the hill-crest and the loftier air;
To rouse some hiru-song in the desolate dars, When winter holds the forest frozen and Wear the cypress as though haurel-
$\qquad$ frown;
To say to tralts of erill, age-bequeat thed,
To take what Hearen or circumstance has hend it to the making of a man!ay fond endeavor, waking vision, plan o life! o earth! I prize ye for yomr smart,

## HOW TO REACH EIGHTY

ILoNG life a blessing? The Bible as pied till twenty in getting ready to ve, he who dies at fifty instead of leaves the world when he should be at the meridian of his power-freest from care, freest from illusions and fullest
$\qquad$ We answer: The surest guarantee is a genius for it-a bodily and mental predisposition to a long life. There are persons who are "prefigured unto a gift, which is inherited from loug-lived ancestors, will generally reach old age, even though they trample on the laws of health, because, although they draw more largely on their vitality than vạst capital.
For the man of ordinary stamina the chief conditions, that are not involuutary, of long life are constant occupation in an honorable calling, regular hours, bodily exercise, pleuty of slcep, a temperate gratification of all the natural appetites, a sunny disposition and clear conscience. The deadliest foes o. longevity are excitement, hurry and worsity and duration of that intensity and duration of action are rigorously true of the human machine as of any other. Every man is born with a certain stock of vitality, which may be husbanded or squandered, as he deems best. Within certain limits intensively. He may spread his little stock of life over a large surface, or when his stock is exhausted he can count on no more. He who lives extensively, who avoids all unhealthy stimulants, takes light and agreeable has no exhausting passions or debilita ting pleasures, abstains from worry, and "keeps his accounts with God and man squared up daily," is sure, if lie has an average natural constitution, to spin
out his life, barring accidents, to a long limit. On the other hand, he who lives intensely, who feeds on highly seasoned food, material and mental, subjects his body or brain to excessive labor, lives in continual excitement, keeps late is burning the candle at both ends, and will almost inevitably be short-lived.
Strictly speaking, it is not overwork it is too much work done in too little time that causes so many breakdowns to-day. Mental and bodily labor within reasonable limits tends rather to prothread. Even orerwork of the may do
is the less imjury than underwork. It is the pace that kills-straining the
strength, and worrying the will-to catch up with work long neglected, or pressed on the mind that all such imas running up-stairs, or to catch up with an electric-car or ferry-boat, are
extremely injurious to every age. sex and condition in life, It ought to be impels a merson over fitty years tha un more than twelve or fifteen yards, Far deadlier in its efrects on healtlu and life than excessive work is worry,
which is sapping the vitality of so many trong mien to-day. Nothing did more .o prolong the life of Gladstone amid his hercmlean toils than his ability, when he entered his study or bedroom, o leave politics and business cares out side. Worry springs mainly from nervous exhaustion. As one grows old youth become an intolerable burden The best antidote to this is an abun lance of sleep, which linits up the unlance or slee, which knits un the wasted sleeve of care and reinvigorates the wasted nerves. Men whose calling: subject them occasionally to spend a day or ought occasionally to spend a day or
two in bed. Even an afternoon nap in two in bed. Even an afternoon nap is a tonic, and may do much to lessen the
wear and tear of ncrvous, anxious days. wear and tear of ncrvous, anxious days. times, when once reproached in early life for indolence, retorted, "I am storing energy."
We close with two minor secrets of longevity-one of which is talk, which is a wonderfully cheering aud invigorating exercise, from the glow in which it keeps body and mind. The old man who talks, and thus keeps in sympathy with his fellow-beings, is far more likely to reach fourscore than he who, like the "dull weed that rots itself in ease on Lethe's wharf," dozes away his last days in the chimney-corner. The other secret is keeping a hobby, which as a means of prolonging life is to be com-

## CHARACTER AND EFFICIENCY

You canuot paint or sing yourselves into being good men; you must be good men before you can either paint or sing.

The day's work of a man like Mantegna or Paul Veronese consists of an unfaltering, uninterrupted succession of movements of the hand more precise cil leaving one point and arriving at another, not only with unerring precision at the extremity of the line. but with unerring and yet varied course sometimes over spaces a foot or more in extent, yet a course so determined everywhere that either of these men
could, and Veronese often does, draw a finished profile, or any other portion of the contour of a face, with one line not afterward changed. Try first to realize to yourselves the muscular precision of that action, and the intellectual strain of it; for the movement of the fencer is perfect in practised monotony, but painter is at of the hand of a great lirect and new intention. Then imagine that muscular firmness and subtlety and the instantaneously selective and ordinant energy of the brain sustained all day long, and not ouly without fatigue, but with a visible joy in seems to take in the wave of his wings; and this, all lifelong, aud through long life, not only without failure of power, but with visible increase of it, until the actually organic changes of old age. And then consider, so far as you know anything of physiology, what sort of an ethical state of body and mind that means-ethics through ages past!What fineness of race there must be to get it; what exquisite balance and sym-
metry of the vital powers! And then, finally, determine for yourselves wheth$r$ a maniood like that is consistent with any viciousness of soul, with any mean anxiety, any gnawing lust, any wretchedness of spite or remorse,
any cousciousness of rebellion against any collsciousness of rebellion against
the law of God or man, or any actual, though unconscious, violation of even the least law to which obedience is es-
sential for the glory of life aud the sential for the glory of life
pleasing of its giver.-Ruskin.

## A PRAYER

O Cod, my God, give me a heart to thank Thee. Lift up my heart above myself, to Thee and Thine eternal
throne. Let it not linger here among the toils and turmoils of this lowe world. Let it not be oppressed by any fear or suspicion, but bind it wholly to Thee and t.o Thy lo
to see Thy love in all things, and Thy grace in all around me. Nake me to to all and in all. Give me wings of love, that I may so:ll up to Thee, and cling to Thee, and adore 'Thee, and praise Thee more and more, until I be fitted to entcr into the joys of Thine everlasting ove, everlastingly to love Thee and Thy



## an overlooked lesson

These hurrying days, these busy times of ours, arc wasted when they
take our hearts away from patient gentleness, and give us fame for love and gold for kisses. Some day, when our
hungry souls will seek for bread, our selfish god will give us a stone. Life is not a deep, profound, perplexing prob lem. It is a simple, easy lesson, such as any child may read. You cannot find the old fathers, the philosophers, th theorists. It is not on your bookthe most unlettered heart it glows in letters that the blindest may read-a sweet, plain, simple, easy, loving lesson R. J. Burdette.

THE ENTRANCE OF GOD'S WORD Like children, we are all often crying because of the darkness, crying for the ight. We seek light everywhere-the faint glimmer from Nature, the dim candle of men's reasoning. Yet we
have close at hand the lamp God has urnished to guide 'our feet. Do we doubt which is the right path, or whether we are following it? Are w wrapped in shadows of distrust? Does ight blackness? Has fierce temptatio or grievous sin sliut us up in Egyptian larkness? There is no gloom so thick that God's word cannot pierce it and show to us the safe road. The rays of Christ's love will brighten any spot on promise will light the way.-Exchange

## COURAGE FROM DOING

The soul learns to draw courage trust, joy and hope from its resolute encounter with realities without lean ng on any explanation. It is the on ooker only who despairs. Literature so much the work of onlookers, exas gerates the depression. Men of action, toilers, helpers, fathers, mothers, saint -these do not despair. The world as a whole, and the best part of the world, every faculty-which generates courage, strength, tenderness. Under all the deep springs of that same experience that "peace of God," which always feeds the higher life.


Sour Stomach

##  them with bene fcial recults for sour stomach.' Jos. KREELING, 192! Congress St, St. Louls, Mo

 CURE CONSTIPATION. GAZETTEER OF ALL LANDS... Now ready. Over 800 Colored Maps and BeautifulThustrations from Photograpis. Sellsat sight, the superb NEW FEATURES including War Map of South Africa M11ustrated account of the Boers, Large Folding Maps of
the Plitippines, Pacific Ocean, Cuba, Alaska. Map and
Mat THE CENSUS OF 1900
 THE CROWELL AND KIRKPATRICK CO

 THE ONLY PERFEGGT VGINAL SYRINGE SUOTION-
In one peeeo
instant use

I Make Big Wages Mat AT Home- ilas
 Want your corns removed?
Send address on postal, and get a Send address on postal, and get a
free trial box of A=CORN SALVE Giant Chemical Co., Philadelphia.


ECZMA $=2$

RUPTURE
Mismidewidit

$=$


AT THE 'PHONE
Maud Nuller, on a summer's dar. Called "Xumber, please?" to earn her pay. Before her, uumbers, printed swall, Fell down when any ouc would call. The judge took down his office 'phone, Said he, "I'll ask fou just once more For four-eleven-forty-four."
Said Maud, as mild as summer sens, "That nuuber did you ask for, please?" Said he. "I told yon twice hefore It's fou
Said Naud, and you could hear her smlle, "Just hold the 'phone a little while.

## A weary interval ensued,

A weary suterval ensued,
The wires hunmed an interlude, And broken blts of talk came o'er The 'phone, and made the waiter sore. The wisllbone-shaped receiver-hook
He seized upou, aud wildy shook, Tlll Maudie's roice he heard once more, "What number are sou foug for The judge responded, with a roa
"It's four-eleren-forty-four!", "It's four-eleven-fortr-four!", Serenely Maud made answer then, The judge had business late that day, And so he merels ralked a way But as he walked he sbook his head, And this is what he sady said, "Of all the words of tongue or pen,
The d-dest are 'Busy; call again." -Portland Oregonian.

## rhymed reason

"To kiss," said he, "is rapturous bliss." ""To kiss," quoth she, "necessitates a miss." "To kiss a miss," protested he, "Is an aggraration."
To miss a kiss," responded she,
"Is poor narigation."
"Is poor navigation."
-Selected.

## NOT A BENE

Tls strange to note how things inanlmate Will sometimes prove contrars; Paper, ink, quills decrease at such a rate,
Yet all are stationerr. Yet all are stationers.

WHY DAVID B. HILL. WEARS A SILK HAT

THene are probabls uo two men in Alhany so nearly alike and so much aud Governor Theodore Roosevelt. Both men are fighters, although thelr methods differ. Both are brave and eloquent, aud each receired hls omce from a spects differed. Tbe two governors of ten between them when thes come together. Both men have the glft of sayiug sharp things. Not
long ago the New York state newspaper inen long ago the Nen York state newspaper men
gare a hanquet at Standilx Hall, in Albany, and among the guests of honor were the two governors. Colonel Roosevelt came first. He wore an erening sult and his famous brown Sombrero, made famous by the Rough Riders.
It ras a comblnation costume at ouce origIt ras a comblantion costume at ouce orig-
lual and picturesque. Among the last of the guests to arrive was Mr. Hill, who was could entlonally attired, even to his silk hat. peculiar staccato manuer, as he grasped Mr. Hill's hand, "now we have with us a real Alhany swell. Governor Hill is the ouly man here to-nlght with a silk hat." Hill, softly, "but I left it at home. I've glven up weariug it slnce I weut out of the adrertising husiness.
Then dimer was announced and the remainder of the eveuing passed pleasantly.-The
Saturday Erening Post.

A DEVOTED COUPLE
The captaln had not heen long married When he was ordered into camp. To be sure, the camp was in plain sight of the captain's
residence, but then it was still a separation; and to enlighten thls terrible condition it and to enlighten thls terrible condition it wife sbould signal to each other often with wife sbould signal to each other ond
handkerchiefs. It was on the second das
that the soung wife was seated on the porch that the soung wife was seated on the porch
reading. "Tell me, Jane," she sald, "is Artbur still slgnaling?"
"Yes, ma'am," answercd the maid.
"Then keep waving your handkerchief. I want to finish this norel.
At the same moment in camp an officer from an adjoiuiug company stepped up to the captain.
"I şas, old man," he asked, "why do sou keep that man out there all day waving a handkerchief?
"Oh, it's merels a blt of slgnal-code prac-
tlee for him."-Selecte tlee for him."-Selected.

## A RADICAL CURE

A South-African farmer who had lost some cows br the cattle-plague was fully persuaded that he had himself been attacked bs the epidemic. Forthrith he hurried off and consulted hls medical ruan, who tried to laug
him out of the ahsurd uotion, but to no pur him out
The farmer then went to an old, well-known practitioner, wbo, heing a bit of a wag and seeing bow matters stood, entered minutely Into the details of the case, expressed his
concurrence witb the patlent's riews, and concurrence Witb the patle
told him be could cure him.
The doctor thereupon wrote a prescription, sealed it up, and told the farmer to go to a druggist in toe next town.
The farmer lost no timc
The fapmer lost no time ln golng with the prescription, hut was somewhat startled
when the druggist showed him the formula, whicb ran thus:
"This man has tbe cattle-plague. Take hlm Into the back yard and shoot hlm, according to lam.'
That cured him.-Exchange.

## A CHOATE RETORT

The wit of the Choates is a family tralt. The honmots of Rufus circulated in hls day as Joseph's do in ours. By overwork Rufus expostulated with him on one occasion, sas ing, "Ms dear friend, if sou are not more self-conslderate fou will ruin four constltutlon."
"Oh," replled the legal wag, "the constltutlon was destroyed long ago. I'm llving on the by-laws!"-Green Bag.

## HER COOKING

"I suppose sou want a piece of ple?" sald the soung housekeeper
"No, lady, I don't," replled the tramp; "but I'd be t'ankful fer a 'ole sult 'o black clo'es, If yer got 'em. De poor feller wot ser gev a
plece o' ple ter sestld'y wuz a brudder 0 ' plece o' ple ter sestld's muz a br
mlne-he's dead."-Spare Moments.

## A TIMELY WORD

Summer resorts are not to be judged by the adjectlres ther use.-The Saturdas Ere ning Post.


Wr. Langshan-"You seem to
Mr. Shanghai-"Well, you see I don't roost very well at night."
Mr. Langshan-"How do you account for it?"
Mr. Shanghai-"Oh, that's easy. A preacher has just come to board at our house."-Selected.

## EYESIGHT RESTORED.

 asked him."Not yet," he gravely replied. wait until a book has been on the market for a full year aud a half hefore you read it." A little later he murmured softls to himself,
"By that time I mas be able to get her a copy for fifteen cents."

## THE RESULT

A teacher in a North of England boarding. school was recently examining
small hoys ln mental arithmetic.
She said, "If rour father gave sour mother thirty shllings to-day and two pounds tomorrow; what would she hare?"
And a small hoy near the bottom of the class repli
Moments.

## THE KICKING AGRICULTURIST

Silas-"What be rew grumblin' about? Yew're got a good crop, an' ther prices is good, too."
Hiram-"I
Hiram-"I know that; but if I scll my crop hold on an' wait fer higher prices they will surely glt lower. Either was I can't help but lose."-New York Journal.

THE DECLINE OF ANOTHER GOOD THING
"Umph!" reflectlvely remarked the man with whiskers
"Yes?"
"It seems to me," continued hls whiskers,
"that horse-sense ls going the way of the horse."-Kansas Clty Independent.

## CHARITY

Mrs. Brown-"A lads called to-day to solicit broken and discarded toys for the poor little orphans. Wonldn't
some of cours?"
some of sours?
Brown-"Whes, certalnly, mama! I'l , '". Park and hreak up a blg batch of 'em!'-Puck.

## APTLY PUT

The Englishman-"Don't forget, sir, that the Boers hare one great adrantage-tbes are The other man-"'T
the other man-"Then what are fou fight lng them for?"

BITS OF WISDOM
Broken hearts hah sometlmes bln repalred doy't jedge a while longer.
Don't jedge a man hy the tales ob hls nemles; hls fren's will admit hls faults. Dar ah lots ob love-matches said to be innde in heaben dat end in de uddah place.
Dar 'ouid be a great deal less mischlef done in de world ef mo' people stuttered.-Arkansaw Thomas Cat.

## 

 Write him for 80-page book telling all about
his discoveries sent free. E. C. Woods, Crescent, Oklahoma, says his son was cured of cataract and infammation of eyes by Dr. Cof-
fee's remedies by mail. THos. Gormav, Au-
burn, Sac Co., Iowa, says: "T had been ing deaf for 12 years had head noises and
catarrh. Dr. Coffee's home treatment curd catarrh. Dr. Coffee's home treatment cured
me. Writeme." Mrs.LUCY HAMMOND, Aurora, Neb. says: "Had cataract on both eves and
Dr. Cofree's remedies restored my sight perfect. Am 77 years old." M. W. LoGAN, Des
Moines, Iowa, was cured of deafness and son

A Bona=Fide Offer!




## 

 Eime pilit

## Solid Gold Rings Free

AL of these rings are war ranted solid gold. All of the settings are open on the back, so they can be easily cleaned These same rings sell for $\$ 2.50$ and upward. No. 345 , if bought in a city jewelry-store, would be con sidered cheap at \$3.00. Warranted to be solid gold and to give ful. satisfaction or money refunded. The stones set in the rings are only imitatious, yet are so perfect that none but good judges can tell the difference.


To find the size of the ring you wear,
ake a narrow strip of stiff paper that jnst meets around the fuger you want to fit; lay meets around mee fing shown here, one end at
this strip on meas
A; the other end shows the size to order. Each A; the other end shows the size to order. Each
ring is made in seven sizes only. Alrays give the size you want.
tizdress

FARM AND FIRESIDE,
Springfield, Ohio

[CONTINUED From page 11] GIVE ME MY DREAMS
Give me noy dreams. All else is nanght, At prlce of pain success is honght The prize we grasp but holds us thrall; The lips that cheer us through the $y$ ears Some day smile not for all our tears; We build awhlle, we know not what, And the toiler is forgot.

Give me my dreams.
Give me my dreams. A child am I Who stands il darknéss but to sigh
Untll a hand doth back raard roll The gray, damp mists ahout my soln And then, oh, dream of dreams that cheers They come, the loved of other years, And roices whisper, soft and low, The loviug words of long igo.

Gire me my dreams. Oh, little maid With whom of old I laughed and played, They say the lyy loves to creep Above the grave where now you sleep;
They say the rohin's song no more They say the robin's song no more What watter? Still in dreams your What matter? stil in dreams you creep Unto my side a tryst to keep.
Give me my dreams.

Glve ne my dreams. All clse For yet lu dreams the bright stars hurn As in the years to which I turu, White hands reach to me through the mist, By ilps I loved my lips are kissed, And all llfe's fields are love aglow
As they were once, oh, loug ago.
Give me my dreams.

## HOW TO DRESS FOR CAMPING

DURABIRITY and nccessary warmth
without weight must be considered in selecting the outfit of camping-clothes. It is claimed on good authority that the points which follow are decidedly the best regarding forms of dress for women campers. They are the result of many experiences, from that of the veteran ts the camper of a single season. As to the first, all agree that the anderwear should be woolen and the union suit, winter weight being none too heavy for the Northern camp. As to hose there is a division of opinion, a ferv declaring in favor of woolen, but the majority preferring heavy cotton. The present form of bicycle hose with linen feet is probably best of all. A shirt-waist of flannel or a man's flannel shirt comes ncxt, the latter being as comfortable; over it the short slkirt is to be buttoned. No underskirts are to be worn, but instead knickerbockers of canvas, buckling about six inches below the knee. A short skirt of the same canvas, fitting close abore, but full at the bottom, and a coat of the same material complete the costume. The most erial complete the costabe the most serviceable coat is made like a boy's box-coat doublobreated. It must be something to button up to the throat when needed. A canvas cap with double vizor finishes the suit.
Why canvas rather than wool? Because wool tears and rubs and does not bear exposure in the same fashion. The canvas in question is the tested material for sportsmen, its "dead-grass color" having been chosen as the least conspicuous thing for the hunter. The eight or ten ounce weight is generally used, and it is almost imperishable, coming out after a washing as grood as new. The entire suit, except the skirt, can be had ready-made of dealers in camp supplies, and as the material is practically waterproof it does away with the need of a mackintosh.
Foot-wear is the next consideration, and for this there is nothing better than the hunter's boot made of oil-
tanned horsehide lacing nearly to the tanned horsehide lacing nearly to the
knee with a bellows tongue. These knee with a bellows tongue. These boots may be soaked all day in water,
and yet after drying by the camp-fire and yet after drying by the camp-fire
all night come out next morning as all night come out next morning as
soft and pliable as if never wet. Shoes and leggings can be worn, but these boots combine the two, and are also a protection against insect-bites. A pair wear for a change. There is nothing to be feared from wet feet. I rub and toasting before the open fire will ward off any cold, and one scon ceases to
even think of the matter. No wraps
are necessary, unless you are to stay are necessary, unless you are to stay
very late in the autumm, for an extra very late in the autumn, for an extra warmith needed.
Glores should be heary and longwristed and a size or two larger than those worn at home. With the packing of these matters in small space comes the providing of toilet articles, and for these a small canvas bag is best, made of heavy brown duck, some ten by twelve inches, with a draw-string, and stitched through the center, to make two divisions. In one kcep the toilet articles for daily need, and in the other the little mending-bag made of chamois or of the wrist of an old mosquetaire glove, which must hold thread, needles, darn-ing-cotton, buttons, etc. A little bottle of pennyroyal-oil, to protect against mosquitoes, is necessary, and you will mosquitoes, is naseline and maybe a little cold want vaseline and matere sunburn. Veils are of lit.tle use, as they catch on everything, and the head-net is needed only when the black fly is especially numerous. For mosquitoes and midges pennyroyaloil proves sufficient, and if especially bad a "smudge" can always be built.
the best ten's and bedding
Only the experienced campers realize the necessity of great care in the choice of a tent. Campers of widest knowledge declare against the "wall" and the laving found that any closed tent is bad, because it retains the dampess bad, because it retains the dampness. A tent entirely open on one side, so
that the camp-fire at night and the sun by day can light and warm every recess, is the best, and a tent is now made with an awning, which is practically house and piazza, and which can be closed if necessary. Such a tent has front curtains hung by snaps and rings, and though not as common as the others, it can be found.
Blankets are of even moreimportance; and the very best should be bought, dark gray in color and about eight pounds to the pair. Where people camp in pairs three double blankets are needed. Add to these a rubber blanket about six by four, costing about $\$ 1.50$, and one of the most useful of camp possessions.

If a permanent camp is to be made camp-chairs and beds can be taken where transfer-wagons can come; otherwise reject them. A pillow may be allowed, but it should. be simply a case rade of thickest ticking, to be filled after arrival. Make buttonholes at the end, so that it can be buttoned together. Take also some yards of close-woven mosquito-netting. A hammock may be added as a luxury if you can spare space. The pillow is to be filled with "spruce browse," of which your bed will also be made, this "browse" being only the tips of the sprays, and never by any chance pieces of the branche. Pile it means a good, springy, soft and breathing balm and tonic. A short, crotched stick is to be driven at each end, standing a foot higher than the bed. Across
this place a light ridge-pole, and over this place a light ridge-pole, and over
it hang the mosquito-netting, under it hang the mosquito-netting,
which you may sleep in peace.
P. W. Humphreys.
P. IV. Humphreys.

MY LADY'S COLOR
A Parisian authority upon the subject of dress has just given a list of colors suited to different complexions. black or brown hair the list comprises ivory-white, orange, very pale pink veiled with white lace or gauze bright red and brilliant black in combination with white or a color. Women with a warm color, brown hair and a brownish complexion are allotted bright pinks rery pale turquoisc-blue, pinkish lilac cream, and especially such combina tions of color as mastic and red-gray and pink, brown and blue, and, generally speaking, striped effects. For the golden-brown locks, with a fair, pale skin, there are black, pinkish gray, periwinkle-blue, navy-blue, dark red, milk-white and very dark greens. Rosy blondes should wear golden brown, beige, mastic ruby, bright violet, all white, canary-yellow and white. Pale red, all violet, sapphire-blue, bright tur-quoise-blue and very pale pink.

(One of the portraits from "Gems From the Poets"

## Gems <br> The Cream of Poetical Literature

From the Poets

A Delightful Book Containing 400

Poems and Pictures


A genuine Ten-Color French Process Picture of either McKinley or Bryan, and the Farm and Fireside the remainder of the year, For 20 Cents

$\bar{T}$HESE PICTURES are reproduced from late photographs for which the candidates specially sat at the request of the publishers. The pictures are 14 by 21 inches in size, printed on heavy plate-paper in a form suitable for framing. They are in no sense cheap
 chromos, but examples of the very highest
 style of illuminated printing, and either of them will be an ornament to any library or drawing-room. The pictures are in the natural colors, and at a short distance give the effect of GENUINE OIL-PAINTINGS. We are furnishing them cheaply enough to be hung in a window, and yet they are good enough to be framed and preserved for time to come. The photographs from which the pictures are made having been taken for that purpose and approved by the respective candidates, are remarkably good likenesses of them as they appear at the present time. They are the most popular campaign art souvenirs. Every American, Republican or Democrat, should have in his home the picture of his party's chosen leader.

The pictures will be sent by mail, post-paid, securely wrapped on a tube, and are sure to carry in good condition. Send in your order to-day, as the demand for these pictures will be enormous.

## We Will Send the Picture of Either McKinley or Bryan, and the Farm and Fireside the Remainder of the Year, for . . . . <br> 20 Cents

(NOTE-When this offer is accepted no commission is allored and the name does not count in a club)
ORDER THE McKINLEY PICTURE AS PREMIUM No. 639
ORDER THE BRYAN PICTURE AS PREMIUM No. 591


## Che Standard American Cook Book

## AND THE FARM AND FIRESIDE SIX MONTHS, FOR 25 CENTS

This Cook Book contains thousands of the most valuable recipes and desirable formulas by noted experts and over two hundred practical housekeepers. It covers every branch of cookery, with special directions for serving at table; also preserving, pickling, candy-making, etc., and ten more chapters of helps.

Plain and Fancy Cooking in Great Variety A TTENTION is called to the unequaled variety A characterizing the recipes in this Cook Book. Practical housekeepers consider this one of the very strongest features of this new work, adapting it to universal use, and suiting every occasion, from a simple and inexpensive home meal to an elaborately prepared entertainment for company.

Plain Cooking


This is the Cook Book You Want B ECAUSE its plan includes the valuable and use ful points of other cook books, and in ADDI-
TION it has inestimable features of its own entirely TION it has inestimable features of its own entirely
new. For REGULAR vise it will give you the best of satisfaction as a clear, safe, reliable, economical kitchen guide, with an abundance of good things


## More

Than 250
Explanatory Illustrations

IAKING clear at a glance important processes in plain and fancy cooking. To show HOW a thing should be done amounts to far more practically than any mere bidding do it. Once accustomed to the pictorial object-teaching methods of this thorough and comprehensive work, no lady will be willing to go back to the unsatisfactory directions of other cook books. This Cook Book has a complete index.

The only Amply Illustrated work on the cuisine within reach of the women of Amer. ica. Nearly 400 large pages. Premium No. 10

This Book Given FREE for a Club of TWO Yearly Subscriptions to the Farm and Fireside.


No. 7884.-LADIES' SHIRT- WAIST WITH PLAIN OR




The three patterns for 10

Sizes, $32,34,36,38,40,42$ Lis.


No. 7918.-Ladies' Dart-fitted Drawers.
Sizes, $22,24,26,28,30$ and. 32 inches waist




NO. 7999, -LADIES' WAST WITH
SCALLOPED YOKE. 10 cents. Sizes, $32,34,36,38$ and 40 inchest bust
No. 8001-LLADIES' Three-pIECE Sizes, $22,24,26,28,30,32,34 \mathrm{in}$, waist.

BUTTERFLIES AND MOTHS
[CONTINUED Frois page 6]
rest with the wings outspread they have their protective coloring on the upper side of the wings, while butter-
Hies, that rest with wings erect, bear their defensive colors on the under side -the side visible when they rest. Thus nature seems to provide that in flight they shall take their chance, but that
when they rest they shall be safe and undisturbed
Like the butterflies, the moths have also their fantastic markings, serving no purpose we yet can trace. Sung the
the death'shead moth, bearing on the upper side of the thorax a perfect picture of a human skull, while the
cross-bones of old-time tombstones are painted on the wings.
Great interest attaches just now to prominent as a destroyer.of vegetation. It is called the gipsy-mnoth (Ocneria of the state of Massachuset energies extermination, which is not yet accomplished. This moth is a native of Eufrom Spain to Japan. In size and color it is rather insignificant. The male moth is about one and one half inches across, the wings brownish yellow in
color, with dark-brown markings. The female (shown in the illustration) is larger, measuring two inches across the
wings, and is of a pale yellowish-white wings, and is of a pale yellowish-white color and very sluggish.
The gipsy-moth was introduced into Massachusetts in 1868, the same year that brought the cabbage-butterfly to naturalist, brought over a few of the ittle creatures to Med ford, Massachusetts, for purposes of experiment. By
accident some of them escaped, and he

warned the neighbors to hunt them down-with the usual success that at tends such warnings. Unchecked in this new land by the hereditary en-
emies that held it in restraint in the Old World, the new race rapidly mu tiplied and spread. In 1889, twenty-one years after their introduction, the gipsies had become so numerous that the state arose to combat them, and appropriated $\$ 25,000$ for their extermination. beginning. The gipsy-caterpillars are veginning. $v$ roracious, will eat indiscriminately anything regetable, and grow fat on Paris green. They seem to have a spec--at least from such as can be used
without destroying vegetation. The the destruction of their eggs, which, fortunately, are laid in conspicuous clusters in exposed situations on twigs and elsewhere. Up to 1898 Massachu-
setts had expended $\$ 725,000$ in fighting setts had expended $\$ 2,25,000$ in fighting hundred men were kept in constant employment. There are now but four common. Yet it is known that if the warfare is once relaxed, those four
townships are enough to populate the continent.


Thls wagon is made of the best material
throughout, and really costs but a trifle more


## FLORIDA CLOVER

nd winter use of this plant in summer in winter, building up the land the year round, will one day make Florida land s valuable an acre as that of Kentucky mean, of course, fairly good firstlass pine or flat woods, not sandi-hills It comes up in the corn-fields, after he crop receives its last working, as hick as grain in a well-sown field bout the time the corn-blades are stripped, or the "fodder is pulled," as is termed by our farmers, the Florid clover or beggar-weed is about knee-
high. It is now that the summer rains et in regularly, and the summer sun gets squarely down to business, and nder their combined influence the tow. By the end of August it stand about six feet high, as an arerage. all over the cultivated fields. The foliage hat respect from the hateful Northern eggar-lice, and completely shades the round during the long summer. With suitable plow this crop, heary as it is, an be completely plowed under
If turned under green in August an ther crop springs up immediately, for a sufficient quantity has by that time matured to seed the ground. This second crop can again go under in October. Compare the returns made by these two crops with the toll taken from the and by the corn crop, and determine which side the balance stands. But rop in August involves heary green team in a hot time, besides making necessary that the matured crop of corn shall first be removed, which is Iso a rery warm occupation for Angust. For these reasons it is the crop of clover to be turned under at that time. It is left to die where it stands, and after shading the land all summer-itself no mean equivalent for manuring-it throws down, late in the all, a coat of leaves that quite covers he earth. After the first frost the stems, which arerage the size of a whe ping-cane or a man's finger wher he plants stood wide apart, become ex under the headway of a team and the roll of the earth from the mold-board The ease with which they are turned
under would astonish one not accusnder would astonish one not accusWhenever the summer sun is gone, the land turned over with this heavy crop of weed-stems, which pulverize
and very soon rot, is not injured by this heat. During the succeeding months of November and December it
begins the feeding of a crop in January with three times as much plant-food at its disposal as at the January preced ng. This gires the Florida farmer the advantage of growing his market crop and his fertilizing crop on the same ground during the same year,
additional cost of handling,
for seed and no loss for the use of the land. That this Florida clorer is supe rior to red clover or pea-vines as a of every intelligent farmer who has had an opportunity of comparing them It has a long tap-root, which goes into the subsoil and brings up the mineral salts, and it yields far more bulk of foliage to be plowed under than either of the above-named plants. It is also most excellent and nutritious feed for stock. Everything
eld field before the crop is gathered will grow fat, and leave the cars of cor unmolested, unless they a
The presence of this plant in middle Florida has saved her lands from utte uin under the shiftless and exhaustin system of farming to which they har he drawbacks that anywhere else would hare resulted in utter imporer ishment, lands in that section that have
been continuously under bungling African cultivation for thirty or forty ears have really increased in fertility; bundant crops as when covered with irgin soil immediately after being leared.-R. J. W., in Farmer and Fruit Grower.


BUCKEYE Silis dinir dill



Chicago Wawher Rocks like


The Perfiecton Milik Cooler and Aerator prices and tree catalogue or farrand Deary senp pries.
L. R. LEWiS, Manfr.. Box 19. Cortland. N. Y:
 HTTMTM E E R I STRONGEST


FIRE, WEATHER, and Lightning Proof



EASTERN
EDITION
JULY 15, 1900

TERMS $\left\{\begin{array}{l}50 \\ 50 \\ \text { CENTMES } \\ \text { NURS }\end{array}{ }^{\text {YeAR }}\right.$
HERMIT LIFE IN COLORADO

(211
man nature in Colorado presents many types and rarieties. Among her men individuality is strongly marked. Whether the native-
born Coloradoan will evince similar traits of character is yet to be proven, for the first generation of that prodnet is just coming on the and association will have much to do in marking the first generation or two, and flen society will mold itself into a more homogeneonsmass. But this peculiar cast of character can be easily accounted for. Peculiar conditions attract a peculiar class of people. Wild and remote, it attracted in the early days an even more marked type of men than it does to-day, when the advent of mumerous railroads has brought the slate within the pale of advanced civilization. Its pioneers have made a place in history, unique if not chivalrous. They were actuated in their migrations almost wholiy by a spirit of adventure. They were made of that to sever the ties of home and kindred and brave unkuown dangers in a new and strange country. Although the old-time dangers and hardships have been largely eliminated from Western life, the entrance to many walks in Colorado to-day is not deroid of the
elements of adventure. There still exist within the boundaries of the state rast solitudes of both mountain and plain beset with dangers for the lonely adventurer; bleak and lofty steeps,
where the unwary traveler may be where the unwary traveler may be
buried by an untimely snow-storm or crushed to death by a suddenavalanche. There are vast forests that may hide one from the outer world and bewilder one with their dark and interminable
shades. There are deep canons where shades.
the wayfarer may be
overwhelmed by the overwhelmed by the mountain torrents or attacked by bands
of 'outlaws or hungry packs of wild animals. And it was not so many years that the untutored Indian was a menace to the white man who ventured too far from the protecting arm of either civil or military authority: lont now, thanks to : pression, this element of danger has been of danger has been removed, the rem
nants of a onct powerful a once powerful race being mewed up in narron reservations, calinly awaiting the destiny that fate very appar ently has in store for them.
Not by the slow
but steady influx of a pastoral people. or the multiplication


Colorado, where they find the widest plains, the tallest mountains, the purest air and the brightest sunshine. They pitch their tents upon the plains, and rear their log cabins among the pine clad hills of the Rockies. They wend their way from place to place, as if the whole carth were theirs and they had but to command entertaimment among their immumerable rassals. A horse or a donkey or at dog may be their sole companion, and upon the back of one of the afore-mentioned animals the substance and sum total of their earthly possessions may be packed in one bundle. A pair of blankets and a square of canvas suffice for bed and roof, even in inclement weather. For victuals, a sack of flour, a side of bacon and a pound of coffee are sufficient for the day thereof, for are not there fish in the streams, and fowl in the air, and wild plums by the country-side or far up in the mountain glens, that do very
well by way of varying the bill of fare? well by way of varying the bill of fare? Wherever hmger or fatig:ne or night may overtake them, there is their hal
and resting-place. To be sure, water is something essential-for ablutions, for the brewing of a pot of coffee and the watering of the dumb companions. The timiest camp-fire sends up its column of tiniest and if it be in the duck of o ning, a flame hardly larger than that of a glow-worm burns a pin-hole in the dark canopy of night. Here we see a modern type of the primitive man Bint you mnst not deceive yourself with the idea that he is an untutored savage. Let him but open his mouth, as no doubt he will if you cultivate him judic iously, and ten to one he speaks in the classies, and can tell you all the jawbreaking names of the thousand brightcolored wild flowers that spangle the plains or mountain slopes,' and of all the minerals that form such a large part of the hills
Be it remembered that these lives are not of pure vagabondage. Nearly every one of these children of Nature have some semblance of an occupation. One may be on the hunt for a gold, a silver or a copper mine; another herds sheep off and on, as he needs a wage, for some of the rangenen; a third may hold down a govern ment claim, whereof the chief products are jack-rabbits and cactus-beds. Then for the sawmills, ors for the railroad tes for rairoad fence-posts and poles for the grangers: burn charcoal for the blacksmiths and braziers in town; potatoes in some small, alluvial mountain valley, or follow dozen other dehat suffice for food and raiment and the poor man's boon of pipe and tobacco.

FARM AND FIRESIDE The Crowell \& Kirkpatrick Co. 147 Nassau Streeth
Now York City

## springfiela,

204 Dearborn Stree
Subscriptions and all business letters may be ad dressed to "Farm and Fireside,", at either one ord
the above-mentioned offices; letters for the Edito the above-mentioned offic
should be marked EDiFor.

## One Year <br> TERMS OF SUBSCRIPTION Sx Months - (12 Numbers) - 30 Cents The above rates include the payment of postage by us. All sulbscrintions commence with the issue on us. All sulhscriptions comm press when order is received. <br> Subseribers recelve this paper twice a month, which is twice as often as most other farm and family jour-

## Payment, when seut by mall, slould be made in Ex- press or Post-ofice Money-orders, Bank Checks or

 press or Post-onice Money-orders, Bank checks or cuRED, send the money iu a registered letter. All postimasters are required to register letters whienever requested to do
DO. NOT SEND OHEOKS ON BANKS IN SMALL TOWNS.
Sllver, when sent through the mall, should be care-
fully wrapped in clotho or strong paper, so as not to
wear a hole through the envelop and get lost. wear a hole through the envelop and get lost.
Postage-stamps will be recelved in payment for sub-
scriptions in sums less than one doilar, if for every scriptions in sums less than one doliar, if for every
25 cents in stamps sou add one-cent stamp extra,
because we must sell postage-stamps at a loss.
The date on the "yellow label" shows the time to
which each subscriber has paid. Thus: Aug1900 means that the subscription is paid up to Alyust,
1900: Sepl900, to Septenlber, 1900, and so on. When a coln-card order-blank is inclosed with your pape it means
to renew.
When money is received, the date will be changed
withln four weeks, wilch will answer for a receipt
When renewing your sulbseription, do not fail to say
It is a renewal. If all ourr subscribers will do this, a great deal of trouble will be avoided. Also give your ndme na men it to some other member of the family: if
don't change
the paper is now coming in your wife's name, sign her name, just as it is on the label, to your letter of renewal.

The Advertisers in This Paper are from rellable firms or business men, and do no are from reliable firms or business men, and do not
intentionally or knowingly insert advertisements from
any but relliale parties; if subscribers find any of them any but rellialle parties; if subscribers find any of them to be otherwise we should be glad to knowit. Always
mention this paper when answering advertisements mention this paper when answering advertisements,
as advertisers often have different things advertised

## 

$\mathrm{D}_{\text {R. H. H. Lowry, an American who }}^{\text {has lived many years in China, and }}$ who is president of the Peking Univer sity, in a recent press interview said "Just before leaving China I had a
talk with the American minister to China, Edwin H. Conger. He told me China, Edwin H. Conger. He told me
that the representatives of the powers that the representatives of the powers
had considered the matter in all its various phases, and had reached the conclusion that a partition of China would be most undesirable, for it could not be
done without the inevitable and longdone without the inevitable and long-
expected general war. You see, every nation is anxious to obtain the yolk of the egg. Every nation wants to obtain
more than its competitors. Russia, more than its competitors. Russia,
which is the strongest power in the East to-day, is said to be behind the sudden reactionary movement, and I believe this to be true. At the same time Russia can do nothing, even with the aid of France, so long as America
Great Britain and Japan act together.
"The Chinese are essentially a commercial and agricultural race. The general conception that they are all akin to the laundryman so common in our
country is absurd. China has a high country is absurd. China has a high
civilization, with a fine literature, and while Chinese methods may seem antiquated and ridiculous from our viewpoint, yet there is much to be said in instance, there is not one line in all the Chinese sacred books, upon which civilization rests and which prescribe
etiquette and morals, which could not etiquette and morals, which couth not
be read aloud before children. This is
more than can be said of the sacred more than can be said of the sacred races. But to return to the individual
Chinese. He is not dense; on the contrary, he is an intcllectual marvel in many respects. The greatest Occiden-
tal diplomats are helpless when face to face with the diplomats of China. Chinese diplomat will sit opposite to
you and will lie most palpably and openly, and yet, knowing that every
do nothing. That is why diplomacy moves so slowly in Peking:
"Time and again the foreign. repre sentatives in Peking have thought they had the Chinese government cornered theless, when the crucial moment has theless, whinese 'diplomacy' has enabled the government to turn a mental som crsault and to wiggle out of any and all promises made."

Answering the question "Is China worth the trouble she is giving?" Dr. Lowry said:

Most assuredly. It is no secret that China is one of the richest mineral countries in the world. Valuable minerals and precious stones can be found in many parts of the vast empire. Is
yet little mining has been done-that yet little mining has been done-that
is, what we consider mining-but the minerals we consider mining-but the awaiting the call of man. China's lands are fertile, and were they tilled according to modern methods would yield handsoine returns, especially if properly fertilized. Even as it is, many, if not most, of the farms in China, though they have been under cultivation continuously for more than a thousand vears, still yield good crops. a thousand years, still yield good crops.
This speaks well for Chinese soil, if This speaks well
not for the farmer

Yet China's future is not as perplexing as might seem at first glance. The solution which, to my way of thinking, must come, is to have the empire governed by a home government, sanctioned and controlled by the nations. In that way alone will China ever make a lasting advance. I had sincerely hoped and expected that to Japan might fall the lot of modernizing China, but international jealousies made this impossi-
ble. As it is, we must all hope that the nations may not so far lose their heads as to plunge into war on account of China. It would be terrible, and would be of no benefit to China. Rightly governed, and with her resources properly and judiciously developed, China will prove a tremendous factor in the world's affairs-commercially and oth-
eviewing the prospects for the 1900
wheat crop the "Cincinnati Price urrent" says
"The later information concerning disaster to the wheat crop of the orthwest, notably with reference to Corth Dakota, confirms the apprehen sions previously entertained, and diss pates the hopes of relief from needful moisture. The three states are not
likely to produce more than $100,000,000$ likely to produce more than $100,000,000$
bushels, or about half what they probably harvested last year, and possibly may result even more unfavorably. This means that the present indication for the entire spring-wheat crop is not over $200,000,000$ bushels.
The winter-wheat harvest, if not disturbed by unfavorable weather conditions, may be expected to reach 350,000 .000 bushels. There is no good ground for a lower estimate at this time. This means about cighty-two per cent for condition with reference to yield of for the area standing.
"The present situation with reference other countries is far from discour aging. European production in the gear. All other foreign countries lusive of South America, point to an grreorate equal to last, pori to an American production the past year has American production the past year has Argentina, Chile and Uruguay. If 75,000,000 for the coming harvest in those countries be counted on, the world' wheat crop for 1900 should reach 2,750 ,-
000,000 bushels. This compares with about 2,775.000.000 as estimated for 1899 -practically equal quantities. The world's wheat production the past five years has averaged $2,620,000,000$ bushels, compared with which the outlook for 1900 indicates an excess of five per cent "Wheat supplies are abundant in this ing year becins with that the comThis country will have $75,000,000$ to 100 ,

July 1st of production previous to this season. Foreign countries appear to have as much wheat as a year ago, and in fact more when the unmarketed supplies in Argentina are taken into ccount.
The year now before us should be expceted to be one of ample supplies of breadstutis, and of. healthy trade, if not too seriously deranged by undue spec ulation.'

IS Russia to Control All of Asia?" is lexander Hume Ford, in the "Cosmo politan" for July. The author present a clear view of lussia's military dispo sitions and diplomatic advantages, and describes the workings of the Czar' stupendous drag-net, which, in the clos ing year of the nineteenth century, may yet add more territory and people to Russia's domain than has any full cen tury in her history."
The article concludes as follows:
"With Russian influence paramoun at Teheran, Herat and Peking, the East ern question seems nearing a solution Lord Charles Beresford foretold that the annexation of Manchuria would bu precede the successful invasion of India by the Slavonic people, and how far sighted was this statesman may be judged from the fact that Russian influence is now so far paramount at eking that all concessions given out seem to find their way eventually into the custody of the Russo-Chinese bank One by one the Chinese provinces, each with a separate army and language of ts own, is being gathered into Russia' n-sweeping drag-net on-sweeping drag-net. In another decade, at tary hines will bound India; then, when Fussia wills, must come the end, and France will have to give her ally Russia a remarkable excuse to be allowed to
retain for long her possessions in Asia.

America is now the unknown quan tity in the Far East. By leaps and bounds her trade is increasing, while that of England is declining. Active American business men are penetrating to the farthermost corners of China and Siberia. Russia is extending a wel coming hand, for, as I have said we make her forever independent of Europe. As yet Russia is not a manufacturing country. But the time will come when she will be able to supply the people of her own conquests with all they need, and then will come the real conflict. The open-door policy is far more welcome to Russia now than the 'Sphere of Influence, which would mean her exclusion from parts of Asia Once Russia has brought the people of China under her sway she will have standing army greater than all the standing army greater than all the other combined forces of the world, try, without a single detached colony try, without a single detached colony
to defend. This is the stake Russia is playing for. Confident that the AngloSaxon race has seen the apex of its glory, the Slav believes he is to rise to the position of world-power with the twentieth century. He admits but one rival, the nation whose friendship he has courted from its inception-America.
"The American demand for an open door in China for all time has not, how ever, as yet met with enthusiastic suphas come at an inopportune time, for the Czar is truly desirous of peace on the biblical ground that 'blessed are the peace-makers, for they shall inherit the earth.' Just now England seems willing to compromise, granting Russian sovereignty full recognition in Persia if she will withdraw her troops from northwest Afghanistan; and it is said that this is just the result the Cza has worked for and looked forward to as the labor of absorbing Persia and assimilating her people will occupy all Russia's energies in southern $\Lambda$ sia fo
the better part of the coming decade.
"In the Far East a similar concession to a peaceful solution is already whispered. Tussia expresses a willingness present if her dominion over Manchuria
and northern China is duly acknowl cdged, and she seems determined to
bring this recognition about betore she finally commits herself to the opendoor policy in China.
"If the Czar is successful in this, his pet scheme, the closing year of the nineteenth century promises to bring Russia the greatest peaceful victory many a slip 'twist the cup and the lip and little Japan is tiptoeing to reach up and dash the raised goblet from th late.

The framework of Russia's military advance into $A$ sia is thorough and com plete, for her nary in the Far East is practically at the mercy of her enemies Russia's naval squadron on the Pacific numbers some of the most magnificen war-vessels ever built, battleships each of which if divided aunidships would make two thoroughly equipped war ressels with engines complete. Japan is in no way behind Russia; her navy is being constantly augmented and many believe that in a brush in Eastern waters it is questionable which side would do the most damage
"But England enters the situation Her naval strength in the Far East. is usually equal to the representation o all other nations combined.
'Japan and England would probably have the preponderance of naval powe on the Pacific, even if the French anc German war-vessels in the Far East
could be counted as Russia's allies; and could be counted as Russia's allies; and what effect the entrance of our Phil ippine fleet of American war-ships upon can say?
"All the naval nations are well repre sented by war-ships in the Far East to day. Just how they will pair off in case of war no one can foretell with this summer is more than a bare possibility no one doubts, though it is generally believed that, with the military land-backing the Czar can give to his demands, and England's perhaps fortu broglio in South Africa, white-winged Peace will continue to hover over Asia for another year at least, to the inestimable advantage of Russia's military advance."

Oposition in Congress at this late day to the maintenance and exten ion of the rural free delivery system," says the New York "Mail and Express," is explainable only on the ground o gross stupidity or intolerable narrow ness of vision. Yet such oppositionhappily not formidable-has been devel oped in the House debate on the postoffice appropriation bill. And it rests upon the plea that rural free delivery has not been made to 'pay its way'
"Almost as well argue that we should not maintain or extend our navy unless we are prepared to show that it can
pay its way. Value must be gaged by pay its way. Value must be gaged by
the indirect and ultimate, not the direct and immerinte fruits of any federal policy. Gaged thus, either abandonment or neglect of rural free delivery would be nothing short of criminal deterioration.

As First Assistant Postmaster-Gen eral Heath has pointed out, since March , 1897, nearly 100,000 rural homes in 11 parts of the country hare bee rought into close touch with the res of the world by a daily visit of the ural postman, the arerage route in luding 750 persons. Who that is not demagooue or a fossil cares whethe he government income parallels the utgo?
The system is a material factor in building up communities whicly will in time supply a paying business by the
increased interest in the outer world thus it meeting a claim by those whose energies furnish the rery keel upon which the ship of state rides-the agriculturists. It is, in its rery essence, n agency for raising the average of age of

## Eymarnand

Dogs and Dog-tax At plesent I am not
so fortunate (or othervise) as to possess a dog. I had one -a fairly good one, too, as dogs go. He oundland, good-natured and harmless; yet his appearance was sufficient to keep the tramps off the premises. For this reason he was rather useful, and perhaps paid for his keep, although it osts about as much to board a large dog as to board a man. But he had
one fault, and this fault cost him his life. He would frequently wander off at night, going a-courting, I suppose,
and not return until broad daylight next morning. Night seems to be the time of temptation for dogs as well as for young and even some older pcople. This habit of skylarking around all Thus it happened with my noble dog. I have a good friend living within half a mile or so. He keeps a dog himself, and I suppose pays the regulation dogtax of one dollar a year. But he feels to pay dog-tax, and so he tries to relieve them of the necessity of paying it. A charge of shot with plenty of powder behind it is sufficient for each case if rightly directed from a near
point. It. settled the case of my dog, point. It. settled the case of my dog, and the one dollar I paid last wrobably be the last regular and lawful dog-tax I shall be called on to pay for some time. I feel that I onght to thank my neighbor for his kind conda so, he might take it for sarcasm.

But whether I own a dog or not, I have to pay dog-tax on a number of
them. Some of my neighbors keep them. They go into my corn and potato fields and dig patches of half a rod
in diameter completely over, rooting out potatoes and corn, whether simply in play or in burying and uncovering bones, I do not know. This spoils the looks of an otherwise nicely kept field, and it spoils a portion of the crop. So I am forced to pay a pretty good dog-
tax on pretty worthless curs. Some of the owners tried hard enough to get the owners tried hard enough to get
out of paying the one dollar a dog; and it was only when the town board
(of which I happen to be a member) (of which I happen to be a member)
forced the collector to either collect the tax or shoot the dogs that a large number of dog-owners came down with the cash. A good watch-dog is in its
right place on an isolated farm home. right place on an isolated farm home.
People who live in villages and cities do not need dogs for protection, and not for any other purpose that I can think of. But most of them keep dogs anyway. It is said that a poor man two. I amog, and if very poor he keeps be a loss to the world at large if three out of every four dogs now kept in our cities and villages (and some on our farms, too) were served in the way my dog was served. I would be willing to furnish the powder and shot for that kind neighbor of mine if he wants to relieve me of the dogs that dig up my crops. The town-dog tax is all right, too. A dog that is not worth the one
dollar tax is not worth keeping. If dollar tax is not worth keeping. If tax we would have just enough dogs left for all reasonable purposes.

Stray Horses The tax spoken of is not pay on other people's animals. Some neighbor keeps a horse. The village lot, which is the only land he occupies, is not fenced in. The horse is usually tied to a stake or tree with a wash-
line. When he gets real hungry he simply pulls on the line till that breaks and then he wanders off into my orchards, meadows or oat-fields to get lis road or line fences in this imunediate ricinity. Nobody makes a practice of pasturing stock except by tethering. I would not complain very much if I simply had to feed this 'animal. But I have all sorts of regetable-patches scattered
all over the vicinity. One day that horse went into my patch of Prizetaker best part was just going to and driven out. In short, I am never smre where and what he will get into next, and all protests seem to be of little avail. Well, what can any one do in a case like pose. Continue to pay the tax, I sup-

Borrowing
I have a great notion
and Lending to put up a sign on the tion: "We neirher borrow nor lend!" I feel that I cannot afford to continue paying one of the heaviest of all avoidable taxes, that on the borrowing and lending nnisance. I am hardly prepared to state how much this tax costs me a year. I know it is a considerable sum in the aggregate. A pity that no statisties are being taken about this thing in our present census. Of course somebody reaps the benefit from my losses. Last year, for instance, I bought an extra wheel-hoe. I want to have plenty of such tools, so that I need not change them from a drill to a
cultivator or wheel-hoe, or even from any of these to a marker, during the season, when each form is used every day or two. It takes time to make the changes, and time at that season is precious. But the new tool is gone. Somebody came to borrow it late last season, when I had not much use for it and had my other implements fixed for hoeing, and forgot to return it. He now has a good wheel-hoe, ar had the fun of paying for it. In the same ber of common ladders, any amount of spades, shovels, hoes, etc. I try to keep a full assortment of all the best tools needed on the farm and in a marketgarden. It is cheaper and far more satisfactory than to have to run to a neighbor to borrow a tool when you need it. For that reason I do not make a practice of borrowing. In the few instances that I borrowed wagons usually paid heavily for the privilege by making needed repairs. When others come to borrow my wagons or buggy, and they break anything by accident or carelessness, they are liable to bring the article back in a damaged condition, and I have the fun of paying for the and I have the fun of paying for the repairs. I have my boat in the creek
a few rods from the house, and try to a few rods from the house, and try to
keep it in readiness for going out on keep it in readiness for going out on
the Niagara river for a spin or fishing the Niagara river for a spin or fishing
trip whenever the fit takes me. Neightrip whenever the fit takes me. Neigh
bors' boys come and ask for the use of it for an hour or two, and I have rarely refused it. They take a clean boat, gc out fishing, and when they bring the boat back and leave it tied to the dock it is a mass of nastiness. Dead fish worms, crabs-all half decayed and stinking to heaven-that is what I find all over the inside of the boat, and a lot of mud, weeds, sticks and rubbish and efuse of all sorts besides. So I have pome a gain to ask for the boat I ay no with a bir N. "Neither a borrown no a lender be" is indeed a good rule, and I shall try to live up to it a little more shall try to live up to it a little more closely than I ever did before. The only
safe way to do this business is to keep a regular book account, and charge your neighbor the full value of ever article he horrows. When he brings back give him due credit likewise.

Mildew on A lady wishes to know Gooseberries how to keep gooseberwhich always makes the berries unf for use. Most authorities recommend spraying either with Bordeaux mixture or, what may be better, with a solution of liver of sulphur. She says that her bushes stand in a rather sunny place. would try to give them a location on the north side of a fence or building, in any place where they can have partial shade. Ifeary mulching with litter of any kind is always advisable, and of any kind is affective in keeping the mil-

## SALIENT FARM NOTES

Under the broad, rich farming Fuel lands of central Illinois lie mil lions of tons of coal, and the actual cost of mining it is bnt a few cents a
bushel, yet through the joint action of miners' unions and operators' combines the price to farmers and small consumers has been raised about four cents a bushel within the past year, with indications of a still further advance in the that in acceding to the demand of the that in acceding to the demand of the miners for shorter hours and larger pay the cost of mining has been so raise the price. On the other hand, the miners contend that the operators were not paying them a fair proportion of the profits, hence their demand for higher wages. And the farmer pays for it all! In view of the increased price of coal
and the probability that it will go still higher, with no corresponding advance in the price of farm products, quite a large number of farmers are seriously considering the planting of the rougher portions of their land to forest-trees and growing their fuel. As one farm a supply of coal, even at the exorbitant prices the combine sees fit to charge, for whenever the market ap-
pears to be weakening the miners strike or the operators order a shut-down un til prices stiffen. When there is a strike in our locality we cannot obtain a supply of coal from other mining districts, because the unions will not per mit coal to be shipped in. In fact, we are completely at the mercy of a combiand between the upper and the nether millstones we are likely to be ground to abject poverty. But we can beat these cormorants; we can grow our fuel, and that we will do."

Belgian-hare Fad 1 want to warn my beirg "worked" by the Belgian-lare boounis. These gentlemen are pushing this fad at a lively rate just now, and many people will be led into buying breeding stock at large prices, only to lose every peñny invested. The workers of this fad tell us in their cirthe flesh of printed the fiesh of the Belgian hare is far perior to that of young chicken, and
finds ready sale in all leading markets finds ready sale in all leading markets that thousands of pounds would be taken at those prices if it could be obtained. They say, further, that the skins are worth fifty cents to a dollar each, and are used largely for making robes and clothing. There is not a Belgi of truth in it. The flesh of the our common rabbit, and there is no greater demand for the former than there is for the latter, as anybody can soon learn if he will ask the marketmen. As to the hides, there is no market for them to speak of. They will not bring enough-to pay for caring for them. The whole thing is a fake and should be let alone

The Cow-pea is moving northward at a ago it was not known where there are now acres on acres growing. Those who plant it on properly prepared soil, harvest it at the right time, and give have, will be pleased with it, providerl they plant be pleased with it, provider they plant the variety adapted to their eties are all right for the South, but in latitude thirty-nine and northward I am satisfied that the dwarter and earlier varieties like the Black are most
suitable and will give the best satisfaction. Those who grow cow-peas for hay should keep in mind that they are at their best for hay when the first or
lower pods are ripening. After these pods are ripe the lower leaves begin to come off and the stalk becomes hard and tough. Cut as soon as ready, and
thereafter handle like clover, and the hay will be first-class. If one has no barn or shed for storing it, a rainproof covering of some sort shonld be try to keep it without such protection, and in erery case from one fourth to
three fonrths was spoiled before mid-

Catch Crops Several questions about, and clover sowing rape, cow-peas, rye and clover among corn are asked by the country. The success of any "s of the country. The succes of any "catch crop" sown amoug corn wholly depends tains at on thins at the the growth of the thing and up to the time the growth of the corn ceases. water, and it pumps it ont of the soil rapidly. If the rainfall is sufficient to keep the soll fairly moist during the latter half of summer any of the catch crops mentioned will do well if the corn is not so thick as to shade the ground too heavily. It is a waste of seed to sow these things among corm in a dry field of have seell clover sown in a field of early matmring com about the middle of luly and a most excellent. stand secured. The soil was damp at the time the seeding was done, and as there soon afterward on it for moisture soon afterward the clover-plant sire to sow any of these catch crops must be governed by the condition of the soil at the time the seed must be sown. If it contains sufficient moisture to mature the coln crop and leave
something for the catch crop, sow. If not, keep the seed.

Growing Wood-pulp A few days ago I which had been planted for ornamental purposes in the spring of 1889, and which had grown nearly eighteen inches in diameter a foot above the ground, and probably contains a cord of wood. The tree became a nuisance where it stood, and so it had to come down. But it made me think of the possibilities of growing such trees for commercial purposes. Poplar is being much used for paper-making. How many years will it take at the present rate of using the native poplars for this purpose alone before the natural supply will be exhausted? Possibly we may be able to find other materials for pa-per-making, such as corn-stalks, etc. but I would feel pretty safe to predict a ready sale of all poplar wood that one could grow for the next one hundred years. I do not know what price papermakers have to pay a cord for the wood they use. But think how quickly one could produce a big lot of poplar wood The tree grows marvelously fast. In ten years from planting you would have quite a good forest, and evell before that time much of the wood could be utilized for various purposes, as the trees could be set quite thickly at the start and gradually thinned ont. Trees can be cheaply procured, too. I only offer this as a suggestion.

Keeping Things Tidy It makes one feel thing about the place in neat, tidy "shipshape" all the time: but when there are dozens of things demanding attention and immediate action it is impossible to kreep them so. Not long ago the "field correspondent" of an agrienltural journal dropped in to see
me and look over my surroundings, and me and look over my surroundings, and he found me up to the neck in work
and a hundred jobs needing immediate attention. Of course, I was sorry to have him see so many weeds in the
garden, and so many pruning's scattered about the orchard, and so many things out of place, but I was doing all possiI work aboutreast of the season. As one thing going and bring another coming, and if one does this his hands will rarely be empty; but for all that, many things will get scattered about, and many jobs will have to wait much

Flowers Not long ago I overheard one Flowers lady ask another how she flowers on and about her lawn. "Well, I don't know," she replied. "I pick off honquets from them, but to tell the trutli, I really don't know much abont attending to the plants. Jim [her husband] is constantly tinkering about them. Every evening he is out there
hoeing and raking and clipping until loeeing and raking and clipping until
dark. Ile's a great man for flowers, Tim is, and he seems to understand how to manage them nicely:

## FARM THEORY AND PRACTICE

Coacernivg Docis.-An immense
army of dogs is supported by the country-folk of this country. Town and city people own another army of dogs, but the most of
the animals are under control and do the animals are under control and do
not interest us directly. There is continued discussion to determine the rights and value of our country dogs. The latter is an unknown quantity, and it should not be a prominent factor in
the agitation, anyway. A man has a the agitation, anyway. A man has a
legal right to keep a dog that appears to others to be entirely worthless. The dog may seem to its owner to pay its the owner maintains him and keeps him upon his own property the value of the animal is not a matter concerning which the public has any right to inter est itself. It is a private matter en-
tirely. The economist may discuss the results of feeding an army of animals that do not earn their food, but the individual has a right to provide for his enjoyment any luxuries that he is able
to pay for. The question should be about the control of dogs, not about their value. Each individual may decide for himself whether he wants to labor to maintain a dog or not, and whether his dog pays for his board and care in work or affection, but the public has a right to demand that the dog have no greater degree of freedom on the highway or on a neighbor's land than any other kind of live stock be-
longing to the dog's owner. The question is wholly one of restraint.

Restratint of Live Stock.-Public sentiment in favor of closer restraint of
stock of any kind is a thing of slow stock of any kind is a thing of slow
growth. It is cheaper and easier to let growth. It is cheaper and
stock get their own living upon the commons than in fenced fields belonging to the owner. It is only when population increases to the point of limited in area that public sentiment compels the owner to keep his cattle and hogs upon his own land. Usually he accepts the new conditions under protest. Poultry and dogs are the last that is due to public sentiment created by increase of population. Where farms are small and crops are valuable poultry is now kept upon its owner's farms ment of the much to grazing ill permits to this class of stock itsliberty. The dog, is last to come under restraint, both on account of the affection of itsowner and the dog's presumed usefulness when it has its liberty on the place. But it caning all forms of live property. In densely populated districts it no longer is a lawless wanderer, but travels with
its owner or stays at home. Where there are dogs there is always danger to people and to stock. The owner of a dog should be required to see to it that his dog has absolutely no chance to bite a child or run a sheep that is not on the owner's land. That means the same constant control that is exercised
over all other farm stock. If the dog over allother farm stock. If the dog
is vicious, of course there should be even closer restraint; but.in no case has a dog a right to his freedom on propIf a man permits it, there should be If a man permits it, there should be rect such abuse of the public's rights, as there is in the case of other stock.

Hessian Fly.-The loss from attacks of this insect is enormous this year.
Evidences of damage have grown greatEvidences of damage have grown great-
er as harvest approached. The most
discouraging feature of it all is that much late-seeded wheat has fared as
badly as the early seeded. Our scienbadly as the early seeded. Our scien-
tists have believed that the ravages of
the fly could be escaped by seeding the fly could be escaped by seeding
after the dates named by them, ob-
servation having shown that the brood servation having shown that the brood
of flies lives only a few days after
its appearance, and if there is no its appearance, and in sight no depo-
young wheat-plants in
sition of eggs can be made where the
the safe date, having the ground in fine condition, so that the wheat-plants could get as well rooted as possible wrong. It now appears that तature provides for its insect world in a more wonderful manner than many can realize. When the autuinn is dry, so that wheat in an ordinary way would not sprout, the same dry weather that rould prevent wheat growth retards the coming of the fly. The plan of our scientists is all right for an ordinary season, it is beliered. In a seasonable
rear the fly would appear on time, and if the farmer las held off from seeding all works well; but in a dry fall the fy is as late as the wheat, and the mischief is done. Many farmers will be discouraged by this year's failure to escape the fly by late seeding, but they would do well to stick to this plan another year. Ordinarily the fly comes at the time named by our experiment stations, and ordinarily we may hope to save the most of our wheat from it by waiting. This year we have failed, and the cause assigned seems reasonable. But one failure should not drive us back to earIy failure should not drive us back to early
seeding, as that is nearly sure to be seeding, as that
caught by the fly.

Perennial Weeds.-It is the perennial weeds that discourage the owner of permanent pasture-land. He knows that if he keeps the annual or biennial uation, but the weeds that grow from the same root-stock year after year, or from underground stems, seem invincible. But considerable experience teaches that persistent fighting will kill out the most of our perennialsnot all of them in some soils, but in the great majority of cases. This is eminently true of the bushes, briers, thistles and other large stuff that make unsightly half the area deroted to pasture on the mountain-sides and hillsides west of the Alleghenies. A few years of conscientious work with the hoe and scythe will give the mastery. Some plants will continue to appear, but they are controlled with little expense after the first few years. If land is worth fencing for pasture it is worth keeping clean of bushes, briers and such large stuff. And in the case of common perennial weeds there is a degree of control to be obtained in most cases. Take the steel-weed, for example. It is one of the worst, sending out branches from the stub left by the scythe, and making seed profusely. But two mowings a year tells upon it. Vitality is lost, the sod encroaches upon it, and in
time one sees that the growth dimintime one sees that the growth diminishes. Cutting off the top and crowding with blue-grass dwarfs most kinds of weeds, and the only course for the owner of permanent pasture-land is to keep up the fight with scythe and hoe, regardless of the reputation of the weed. A few kinds of weeds will withstand all attacks, but the great m
will finally give up the struggle.

## A WORD ABOUT WEEDS

We have been assured by some of the professors of agricultural experiment stations that weeds are a blessing in disguise. But most farmers regard weeds more seriously. They wish they
could exterminate them, root and branches; yet one may not infrequently see a yard full of burdocks, wild carrots and other equally undesirable friends. To say the least, there is no use in having these weeds encroach upon our territory
If we wish to make war upon them successfully, first of all things we ought to learn their nature, just the same as though we wanted to grow them.
Many weeds which we dread are biennials. The first season, coming from the seed, they only make a fair-sized plant without going to seed. The folplant without going to seed. The fol-
lowing season they send up seed-stalks, bloom, ripen the seed and then die. The majority of these plants form carrotshaped roots and cannot produce a new
plant from a pary of the root. Burplant from a pari of the root. Bur-
dock, yellow dock, wild parsnip and cardock, yellow dock, wild parsnip and car-
rot, blue thistle and others belong to this class. To kill them it is but necessary to cut off the upper portion of the root about two inches below the surface of the ground.

A good way to deal with these weed about this time of the year, right after a rain, when the ground is soft, and with a sharp little picka
tock cut them off below the surface On examination of the cut-off portion one can quickly see whether the plant has been cut off low enough. It may ground year after year, for some of the seed lies in and on top of the ground for years before germinating; but at last we will succeed in clearing our land and the fence-corners of these obnoxious weeds.
There are sections of the United States where the blue thistle seems to have taken possession of the meadows and pastures in a frightful manner. Where this is the case, cutting the plants off with a burdock-hoe is out of the question. A sensible short rotation will soon rid such fields. The wild carrot is regarded hereabouts as the worst pest, but even this cannot get a lasting footing where a short rotation is practised. In addition to this, gras if necessary. Fields left in orass for years, till they scarcely cut half a for years, till they scarcely cut half a ton of hay to the acre, should not be ex-
pected to be-free from weeds. When pected to be-free from weeds. When Nature provides that something else will.

By far the worst weeds we have to contend with are those increasing from the root as well as the seed. The Canada thistle is one of them. Plowing badly infested fields while the thistle is in full bloom, plowing under every fragment of the plants, and sowing buckwheat after will effectually subdue the worst field. I have cleared fields by one plowing at the right time. Merely cutting the thistles while in bloom amounts to nothing, as far a kiling the mother-plant is concerned.
The milkweed is the most tenacious weed I know of, and $I$ have not discovered any practical method to subdue it. The quack-grass, increasing from the seed and by the root, a plant also known under many other names in different sections of the country, yields to plowing and constant irritation with a sharp cultivator. I have rid fields completely in one season by this course. Weeds springing from the seed annually and perfecting seeds the same timely cultivation. F. Greiner.

## THE MEADOW AFTER HAYING

The period between haying and the annual fall rains is one of crisis for the meadow. The protecting grass has been remored and the sun beats down upon the naked roots with all the heat of late summer. Now, if ever, they will be weakened and lose their vitality to resist the frosts of winter. What shall we do to prevent this deterioration?
Here is the result of an experiment of my own. The season of 1899 with us in south-central New York was very dry. For several weeks no rain what ever fell. Our meadows lay the plants were shriveled and brown. It the plants were shriveled and brown. It
seemed to me they must be nearly all seemed to me they must be nearly all
killed by the heat if something was killed by the heat if something was
not done to save them. It so happened not done to save them. It so happened
that I had under my barn-shed quite a that I had under my barn-shed quite a
pile of barn-yard fertilizer which I had pile of barn-yard fertilizer which I had vious spring. This I now drew out and scattered over my meadows. Part of the manure was from the horse-stables, and contained considerable straw. It was a question whether this would be rotted before the next year's hay crop came on, or whether it would be raked chances the grass. But I the rest. I am now convinced that the straw had great value as a source of protection to the grass-roots.
1 was very sure that $I$ could see good effects from my work before winter set in last fall. When I would raise the flakes of straw from the ground would find the tutts of grass fresh and green, affording a marked contrast to have been covered when the manure was drawn out.
No cattle are ever allowed to run on
my meadows at any season of the year.
farmers in this respect is more or less disastrous, according to the nature of the soil and other conditions. The af-ter-feed has no doubt a good value, and there is a strong temptation to take advantage of it. But undoubtedly be more than lost in ha The aftermath falling ffords a natural protection from frost ffords a natural protection from frost in winter.
But if the result of my experiment was noticeable last fall, it has been the farmers of this section complaining that their meadows were almost ruined by the drought of las summer and the following open win being The cut of grass could not hel been fully as good as in average years n the past. The manure spread last all is yet bringing good returns. believe I shall see beneficial result from this top-dressing for several years o come.
As to the time of applying top-dress better returns may be pained by apply ing the fertilizer late in the fall. Then not nearly so much will be dissolved by the elements and be lost in the air. It is no doubt true that the sun and rain destroy a large part of the goodness of But manure spread earlier in the season. ut when there is a severe dry spell, uch as I have described, I think it is est to apply whatever manure we have early after haying. E. L. Vincent.

## the washing of the soll

The wasting of the richness of the soil by dissolving and washing away is no small matter to the farmer, and on very farm should be conside season of many washing rains the soil carried away in some portions of a field is limited only by the depth to which it has been cultivated. Corn ground is probably the worst of all fields, as the soil is kept loose for three months in the year, and there is no soilthe remainder of the season
This is a problem that is claiming some attention, and will claim the attention of the progressive farmer of the future. Few farms can stand the constant drain of years without materially lessening theit productiveness. The richest portion of the soil is the The richest portion of and the applicaportion carried away, and the applicathe loss.
In a field where corn or other such cultivated crop is grown some soilbinding grass or grain can be sown afthe last time. Rye is a good crop, as it will furnish an excellent fall and winter pasture after the corn crop has been gathered. It was to protect the soil from the fall and winter and spring rains. Even if the grain is not left to mature the next season the pasturage vill pay for the expense of putting in. In side-hill fields it is the best policy soil-binder. This item is of enough importance to be given thoughtful attention by every farmer.

## DOG.VISITING

The owner of a beautiful homestead complains of the habit many people hare of taling dogs with them when they make calls. If there is anything I hate it is to see a neighbor coming in with a great untrained dog at his heels. The creature is at once a nuisancerunning everywhere, dashing into flow-er-beds, and smashing something that I have worked over all summer. Dogone would bring a loose cow or a flock of geese. If possible, I get the dog promptly shut up; if not, the visit of both man and beast is shortened as much as I am able to bring about-and I generally do it. This is not a matter of light import, however it may seem to who is not sensitive enough to comprehend it deserves to be treated with very little consideration.
E. P. Powell.

The Winter Melon.-Last year I got troni some source seed of
the so-called winter melon, but I did not succeed in raising the fruit of it. I forgot what the tronble thing, and thercfore did not take prophave read of it since, and especially from some station reports, I was more anxious this year to give it a trial, and
therefore glad when I received a package of seed from the Department of
Agriculture in Washington. In fact, it was the only seed-packet in the lot which I valued at, all. It was planted
in good style, and I will say that the seed germinated promptly and the plants appeared to have much greater
vigor and thrift than those of any other kind in the patch. But how the bugs went for them! I have had very few cucumber-beetles on any of my
vines this year so far. All the more I was astonished to find, when I visited my few hills of winter melons, that them entirely killed to the ground. The prompt application of a good lot of
tobacco-dust saved one of the already damaged plants, and I am in hopes to keep it alive and raise fruit from it.

The Cucumber-beftle. - It seems strange to nue how these dreaded bee all over the patch without finding even a trace of one. Then a few hours afterward, coming through the patch again infesting every hill and almost cevery plant in every hill. That means getting is thrown on the hills and well shaken through the vines, so as to cover then all over, above and underneath, and
when I make another trip through the patch soon after not a beetle ma be"there, even on a hill that had been these pests go to all at once I am at a loss to understand. If there were lots of snakes or toads around I would betles' disappearance. But this year I seldom see either snake or toad. In fewer insect enemies this year than have been troubling us in previous years. There seems to be but few po-
tato-bugs, few cabbage-maggots, few cato-bugs, few cabbage-maggots, few
catlars. I gladly get along very well without them. Their absence wil not be seriously felt.

The Onion-maggot.-Almost every year a few magoos have been foun had to report a serious loss from this source. This year I mored the onions - to an entirely new patch, hundreds o the past ten years, and had them fo very much better in their new location than for some years, and no sign of maggot is to be found on them. A fev rows only were planted in the old patch, merely to have them as near as
possible to the kitchen door, as they were intended for home consumption only. But here the maggots have con centrated' on them and actually rumed three fourths of the plants. In some of the bulbs I find halt a dozen or mor of the great fat grubs. Of course, there tacked that I know the only thin 1 can do (and I should do) is to pull up every onion that by its yellow color or dying down gives indications of be ing intested with maggots, and carry it out of the patch to a convenient place where it can be burned up or sprayed
with kerosene, or handed orer to littl chicks. That will reduce the brood for another season, anyway. But the ex perience shows me the benefits from onion-patch, and likewise, perhaps, of cabbages, et

Vegetables in Fish-pond.-A reader tells me that he has an old fish-pond which has been under water for ten or
more ycars. The mud in the bottom is about two feet deep. Now he pro-
poses to draw the water out and plant the bottom with celery. There is : never-failing spring just above it, a
fording a fine chance for irrigation. know that in some parts of Germany and Hungary, where the culture of carp in artificial ponds is quite an inclustry, these ponds in some instances are so conslructed that the water, carp and all can be drawn off into other ponds, and the bottom of the drained pond planted in carrots, beets or other the fish to feed on after the water has been again brought back or the pond is allowed to fill up again. The little Cayuga creek, which passes within a few rods from where I write this, seems to be alive with earp, some of
them weighing fifteen or twenty them weighing fifteen or twenty
pounds apiece, although the first of pounds apiece, although the first of
them only made their appearance in this creek (probably escaped from some pond) not more than five or six years ago. They are sometimes caught, with dipped up with scoop-nets or cauglit. in loop-nets, and in cold weather I have eaten an occasional mess of them. Some people around here are glad enough to get these fish for their table enough to get these fish for their table
at any time of the year. But if other folks did not think more of the carpl folks did not think more of the carl]
as a food fish than I do I believe they would consider it more profitable to drain their ponds, and raise garden stuff in the ground thus laid dry, than to grow German carp. I should surely try celery on a well-drained pond bottom, especially if a never-failing spring above it gives such splendid opportunity for irrigation. Our friend wants to know how soon the ground will be fit for planting after the water is the water off in the fall, and to expose the soil of the bottom to the action of frost: But as that has not been done, Irost. But as that has not been done, will produce fine crops under good will produce fine crops under good
treatment just as soon as the soil can be worked and brought in the same mechanical condition as any garden land should be in. In other words, it is ready for planting when the surfac eight or more inches in depth, has been thoroughly pulverized. I cannot tell whether it is rich enough to produce a crop without additional applications. The only safe way is to use plant-foods, especially rotted stable manurc, quite freely. Concentrated ashes, leached or unleached, but in larger quantities if leached, will most likely give good results in such cases. I would also expect good crops of other garden vegetables, especially onions, cabbage, cauliflower, radishes, roots, etc.

## INQUIRIES ANSWERED

Planting Raspberries.-M. J., Grantville, Kan., asks when raspherries should be set out. Spring is perhaps as good a time as any in which to sat them ont, although fall will do fairly well enough.
San Jose, Cal, writes: "Please tell me where I can find sale for Belgian-hare pelts in the United States.'
Reply:-Who can tell?
Trumes.-G. H. B., Ralls county, Mo., asks if any reacer of the Farar and Firbside fungus which groms under the churfaee of the fungus which grotrs under the surfaee of the
ground. The professional trutfle-hunters of ground. The professional truffle-hunters of
Europe used to employ trained pigs or dogs to loeate these choice fungi. I do not know whether truttes are found here or not. Who can tell us about it?
Cofree-berry-Lice on Carnations. dirent S., Royalton, Yt., writes: "Please give berry, or soy-beall- What whll kill lice carnations?
REPLI:-Some information on soy-beans has already beeu given in an earlier Issue. For fodder sow broadcast or in drills with a graln-drlll. To grow the beans, plant them
as you would any bean.as you would any bean.-- For lice on plants,
fumigate with tohaceo-smoke or syringe with fumigate with tohaceo-smoke or syringe with
Dlevating a Rhubarb Plantation.M. L., Woodside, Md., wants to know if he
can elevate rhubarb-plants that have can elevate rhubarb-plants that have been
set too low. I think they will have al tho set too low. I think they will have al thr-
dency to come up uearer to the surface, anyway. Lint there is nothing to prevent you from taking up the plants and setting them
the way they should staud. The land must be thoroughly dralned for this


INQUIRIES ANSWERED

## Apple-twig Borer.-l'. E. R., Nepesta, Col., writes: "I seud you under separat cover a hox containing five specimens of a hug that is found in the canes of grape- vines. The hugs enter at the hud and burrow along the stem. They seem to kill the vines. The hugs seem to stay in the vines summe and winter. I saw the hugs last spring for the first time. Can you tell me what they no yon know of amy remedy? If so, what

 it, and the time to apply it? ? known to entomologists as the apple-twig borer (Amphieerus blcomtatus, Say). This inch in length, of a dark chestnut-hrown color above, and blaek beneath. This beetle hores lito small apple-twigs in earls spring, entering close to a hud and making a channel several inches lu length, apparent to obtalnhotb food and shelter. The canes of grapes hotb food and shelter. The canes of grapes
are lnvaded iu simllar plaees, and are killed consequence. are also used for this purpose. Both sexes found in them during the middle of the winter, as well as in summer. They are usually fonnd in the tunnels with the head downward. In this ruanner they sometimes work
during the summer montbs, and eause the lnvaded twlgs to die. As a geueral rule however, the heetles leave their hurrows dur ggs in tbe dead or dying roots of the green brier (Smilax spec) or in the dead shoots o the grape, and the pupae remain $\ln$ such plaees until the full-fledged heetlesareformed The Insect has not beell common enough in
the past to iuflict much damage, hut it is now on the inerease and liahle to do greater damage. Tbe remedy is to gather aud burn damage. Tbe remedy is to gather aud burn
the twigs ln which they are found, and no greenbrlers should be allowed to grow near orchards or vineyards. Wild grape-viues harborlng sucb heetles should also he removed.

The Rose-ehafer, or Rose-bug.-F. A mumerous, her, w. Va. Tur most destruetive nsect enemles. In some seetions of our country they appear to be increasing in numbers from year to year, vlsiting orchards, vinenumbers as to make great havoc wlth grape and eating almost every kind of fruit and
flowers. When they visit us in swarms we flowers. When they visit us in swarms we on our hands to head them off. Tbe applications of insecticides seem to be of rery little
use, as no contact of poison kills them, aud the arsenites and other 'stomach poisons of such strength as to he safely used on the only two or three days suffice to reason that yard. They drop readily from the vines upo giving them a sudden jar, hence one of the best methods of combating them is to provide a fumel or unhrella shaped eollector that can jarring theru so that they will fall lnto it The collector can he made of smooth or glaze
cloth fastened to a hoop, with a handle cloth fastened to a hoop, with a handle on
oue side, and so made that as the beetles fal Into it they will roll to the eenter, where a hole is left for them to drop through lnto a small pail or other vessel containing kerosene or honing-hot water, which win kim appearanee, and followed up daily, and perappearanee, and followed up daily, and per-
haps two or three thmes a day, until tbey disappear or until the fruit is well set. I have never had but one serious fight with them, hut came out of it the victor, and have ndy I used was bot water, jarring them into It; hut as water eools so quickly, kerosene would serve the purpose better. Ou apple-
trees and roses I had very good success from syringing them forcibly with water at a temperature of one hundred and thlrty-two devineyard or orchard. Where they appear only with perfectly ${ }^{\prime}$ dry, fine, air-slaked lime to which a little distasteful to them been added saves the fruit. The larrae of the insect fecd In light land on the roots of grass and other fore they change to heetles, and plowing up and harrowing sod known to be infested with them at this time destroys considerable num bers of them.
The fruit of the apricot frequently falls of wheu half grown from heing stung by the plum weevil, or cureulio (Couotrachelus neuuphar), or hy the plun-gouger (Cocotorus seu-
tellarus), a near-allied insect, which of late tellarus), a near-allied insect, Which of late
years is beeoming yery plentiful in portions than the curculio The laryace destructive feed upon the flesh of the fruit, and the latte also upon the kernel. The early setting of this finit and the smooth sernime to make
eggs, and a larger proportion of the eggs
 the damage for this sensou is already done, nothing can be done to save the preseut erop
of fruit, hat precautionary measures should of fruit, hat precautionary measures should
he taken to as far as possihle destroy the their doing like damage this all of the fallell fruit should he gat hered all fruits containing larvae still hanging upon the tree should he pieked off and likewise destroved. This proeess will greatly reduce
the numbers that would come to maturity but they eamot he exterminated in a single year, as some will have eseaped. When the larra has reaehed its full size it leaves the fomit and goes into the earth heneath the tree
to pupate, and sonn elianges to an adult futo pupate, and som ellanges to an adult lu-
sect. As soon as able to more the freshly
issued bectles seareh for hibernating quarters, and are not again seeu in the orchard mitil the urext spring. The heetles hibernate among all sorts of rubhish, but prefer acfors, a fall cleaning up and hurning of the rubbish destroy considerable numbers of
them. Early in spring, hefore the huds are them. Early in spring, hefore the huds are open, they visit the trees and feed upon the leaves aud flowers. During this period considerable numbers of them eau he killed by spraring the the whe arseuteal poisons be ing the leares and flowers appear; hut spraywhatever, aud ofteu injurious, as the follage is easily damaged by the poisons. Jarring the trees every day from the time they are the fruit, or while any are caught, and catchthe fruit, or while anys are caught, and catch-
ing them on sheets spread under the trees, and killing them immediately, is, after all, the most etreetual method of saving the frult and exterminatiug the heetle. After the eggs are deposited in the fruit uo poisonous applications cau reach tbem.
Several Questions.-M. L:, Woodside, M., writes: "1. In oue of your articles you Do I understand that this eau he done to a growing bed without injury? 2. How can a
strawherry-hed not properly fertilized at setting out (last fall), but bearing well, he fer-
tilized for next year? 3. I had a fine growth of red raspherries last year that were injured
hy a severe hail-storu, and after that the hy a severe hail-storu, and after that the
hushes hegan to die. This year many tbat hushes hegan to die. This year mans that
survived and fruited have died before ripening. The caues appear to have a sort of dry rot generally extending from hail injuries. Two or three hushes that I took up last year appeared to have a mold on the roots, and Reply:-1. The burning over of the growing strawberry-bed is perfectly safe where all conditions are farorable. The soil must not he dead dry ahout the roots, any mulehing dry, and the mowings should be dry enough to burn freely, and a time shond he chosen when there is suffeient wind to carry the
fire over the bed quickly, otherwise the roots fire over the bed quickly, otherwise the roots
may be injured. Equally as good a method may be injured. Equally as good a method
of renewing the strawherry-hed, but not as of renewing the strawherry-hed, but not as expeditious and requiring more labor, is the mowing over the heds immediately after
the last pieking, raking of and hurning of the the last pieking, raking oï and hurning of the
mowings and surplus mulehing, then applying a dressing of well-rotted manure and plowing hetween the rows, narrowing tbem down to from eight to twelse inches, throwing the furrow away from the row, theu going over
these plowed spaces with a fine-toothed cultivator until the space is leveled, and again a few days later, to keep the surfaee mellow, so that the runners may root readily, and to
destroy auy weeds that mar start. Where destroy auy weeds that mar start. Where
the old heds have in them sorrel, white elover, whe crass or perenvial weeds it is best to use the eultivator every week, narrowing up tbe to root over a space of one foot or less eaeb o root over a spaee of one foot or less eaeb the bed is counparatively free from weeds the runners may be eneouraged to run over and form plauts on the eutire plowed spaees if the surfaee is kept mellow aud weeds kept
down with hoe or rake; and after these spaces are filled with new plants the old rows can be taken out to make new paths for the picka strawherry-hed to he kept in very good condition for several years. 2. Apply to the
spaces hetreeu the rows good barn-yard manure, or a compost of manure and muck, and eultivate or plowr, to mix it with the soil.
Good results are also ohtained hy mulehing in the fall with stable manure. 3. A severe hatl-storm oecurring during the growiug season, especially near the middle of it, before the canes bad hegun to ripen, would not only
injure theu for fruiting the following year, hut would also injurionsly affect the vitality
of the roots, so that the fruit would not come to maturity. Also the moldy appearance of the plants taken up is evidence that injury
has culninated in a diseased condition, or hat they are infused with root-lice. In
either case the plantation can hirdly be reeither case the plantation can hardly be re-
stored to uormal health. If the roots were not diseased or greatly injured, the better have mowed off the canes in early spring,
fertilized, plowed aud cultlvated hetweeu tbe

I
HOW FARMERS WASTE INFLUENCE Hate just been reading a report of
the New York Farmers' Congress,
held recently in Albany, and the enthusiastic correspondent says organized for the purpose of securing needed legislation for farmers, and the farmers should support it, for when their demands are presented to legisla-
tors by large organizations they will be considered." Well, perhaps the correspondent is "considered," and leaves a margin for other influeuces possibly more poBut what is the honest legislator do when the demands of the say contradictory-a way that he cannot tell exactly what is wanted? If
farmers' organizations expect to have their petitions received with the respect ful and powerful class of American fully as to whom they permit to be their spokesmen, and must weigh with good judgment every utterance whic
is to go before the public as official. A few months ago a greater body than the New York Congress-the Boston, and near the close of the gress to enact a law subsidizing Amer ican shipping and ship-building. The bill which was unanimously opposed
by Congress was not that which went o the Senate, but the original subsidy bill, which has been modified out upon the demands of Western farmers acting through their representa-tives-a bill of which a Washington
dispatch to the New York "Post" said, on February 7th: "The feeling of the shipping subsidy bill is growing stronger with safety that the whole Jinnesota delegation, half the Michigan and half the Tisconsin delegations form, or unless it be amended so over several important points," It is not often that I follow with close attention the progress of. bills though in a quiet way $I$ am a party man of no feeble convictions, nor those adtrial bodies, although I well know that no important measure can be without humblest member of the body politic. The sphere of my study-the farm, the garden, the orchard, enough to occupy pretty much all my attention. Other matters have their expert advocates and equally expert
opponents. There will be lots of discussion by persons who know what
they are talking about, and who will give accurate information if it serves of agriculture may as well stick
But this bill I have watched all through its devious windings through newspapers, simply because early in its mysterious way with the American farmer. The resolutions of indorsement introduced into the Farmers' Congress by a recognized authority in agriculture, nor by a known friend of of the shipping and ship-building inte the farmer except as he can use him in influencing state and national legislation to the advantage of his clients. resolutions adopted by the congress is in the preamble, where one of the pur-
poses of the proposed subsidy is said kets for our surplus products," which eral smaller agricultural societies and millions of farmers through their rephave caused its modification and may
defeat it. But what are the unfortunate congressmen in his possession a beautifully printed copy (the farmers did not pay

 America that they pass the shipping subsidy bill. and that they pass it un
shorn of one of its original features?

From TAshingron-- have heen in this m
state eleren years, and hare bettered my circumstances a littie in that time. A laboring here, hut it is a pitifui sight to quee middle aged forks who bave sold a comfortabie hom a was off East in a hetter farming country than this ever will be roughing it in this Wild Test. I hare seen men who hrought
moner and grown hoys and girls out ber working as section-hands at $\$ 1.25$ a dar. I

homes in Michigan working in Tacoma fo
 and if not suited can get hack home again; hut my adrice to the head of a family is, put not too much dependence in adrertisements, object in adrertlsing certain localities.
Little Rock, Wash.
From Nebraska.-Boyd country is a good
stock country. Horses, cattle, sheep and
hogs are in good condition. There has heen a hogs are in good condition. There has heen a goodly number of cattle shipped into Bosd
counts to he fed on our surplus corn. The local feeding demand has made a market for
thousands of husheis of corn that went from the farm direct to the feed-yards in place of Farmers are improving their stock, having full-hlooded Polled Angus and Herefords.
Reai estate has heen changing bands quit lively for the past six months. Settlers from
the Eastern states are tired of the Eastern states are tired of paylug exor
bitant rents, and are taking adrantage of the opportunity to get cheap homes in Boyd
county. Choice farms are selling at from $\$ 6$ to $\$ 12$ an acre; unimproved from $\$ 3$ to $\$ 6$


Froar Washington.-I have lived in the There has been no decided effort made to raise fieid-corn for a reguiar crop, hecause it states; hut sweet-corn, for which there is a good demand, does exceedingly weli. This is hundred. The statc has pienty of coai, whlch
sells at from $\$ 1.50$ to $\$ 3.50$ a ton, according
to the dlstance from the mines. The people to the distance from the mines. The people slve, and are great workers ln educationa
and chutch matters. Farm-lahorers receiv $\$ 25$ a month hy the month, aud from $\$ 1$ to $\$ 2$
a day by the dar, hoard included. The prlce
of land is rapidly increasing. Tro years ago land sold at from $\$ 2$ to $\$ 6$ an acre. The
same land to-day would easily hring from $\$ 7$ to $\$ 12$ an acre, and in fire years will no
douht seil at from $\$ 20$ to $\$ 30$ an acre. If sou

## are inclined to be iazy don't come here, he cause you will hare to worls in order to mak


soher and industrious, and have got $\$ 1,000$ or

$$
\begin{aligned}
& \text { freeze up nor blow awar. Our summers are } \\
& \text { simpiy giorious. Land varies in price accord- } \\
& \text { ing to iocaits. Here in Mason countr there }
\end{aligned}
$$ good living here as easily as any where else We especialiy desire familles with marriage artlcie here and are much in demand.

## Fromi Nebraska.-The track-iasing machine has compieted the rail-faying to withln t wenty mifes of Gering. There is a track- laring crew, a telegraph. creme and a fencing lajing crew, a telegraph crew and a fencing crew, in all ahout two hundred workmen, and a hoarding-train with cooks, dining-room and sleeping-cars of twenty-five to thirty they go. 3y mauy correspondents from my article in the Faram and Fireside who wish to "come in on the ground floor" had bette


From California.-Butte county is in the northern citrus heits of California, In the Sierra foot-hilis, one hundred and fifty miles
from San Francisco. The soil ls a red clay on a slate hed-rock, except the low hills next to the Sacramento valles, which are gravelify
and underlaid with hard-pan. The climate is nitd, especiaily in winter. Ice one fourth of season extends from June 1st to Septemher 15th. During that tlme we seldom have ans
$\qquad$ eightr-five degrees to one hundred and ten
degrees. Oranges, oifives, lemons, figs, pomegranates, aimonds, apricots and all common fruits grow here and do well, especlally on
the red fand. Three hundred car-ioads of oranges were shipped from this country a year ago. Orangess self at from $\$ 1.50$ to $\$ 4$ a box (of pound; figs, dried, $31 / 2$ cents; almonds, 10 cents; apricots, from 2 to 4 cents; pome-
granates, 2 cents; fancy dried peaches, 7 granates, 2 cents; fancy dried peaches, fruit-trees and gardens must be irrigated dur-
ing the dry scason to do weil. Grapes require rery littie water, and in some locations tion. produce good crops without any irriga covered with scrubhy oaks and hrush, and an he bought for from $\$ 10$ to $\$ 30$ an acre,
according to quality and location. Land set out to fruit-trees is heid from $\$ 300$ to $\$ 1,000$ an acre, according to age and condition of
trecs. Irrigating-water costs 10 cents a miner's inch for twenty-four hours. The water for irrigating an orchard of ten acres will cost
ahout $\$ 2.5$ for the season. Ororlile is the ahout $\$ 2.3$ for the season. Ororlile is the minus of a hranch railroad from the Southern Pacific at Marssrifie, a distance of a great deal of gold in eariy days, and there are still some good paying mines near or orille and Forhestown.
coass ln summer. and the nights are always cool, so one can always enjor sound, re ally long and cold, thes are not nearly so
bad as they are rcpresented. Nelson county bad as they are represented. Nelson connty
is a rofliug prairie, very desirahle for doversi-
fied farming. It is a good country for live stock. The principai crops are wheat, flax inest potatoes on earth. Yields an acre twentr; oats, thirty to one hundred; barler, which a few rears ago hecame so had that
many of the heaviest producers went out the husiness; hut those who could afford to under control that last year the crop was
rery good. Wheat and oats do remarkahly iuxuriantly; potatoes, rutahagas and all True, we root crops are very profitahie. the winter months, from October to Fehruary or March, hut old settlers pay littie attention, for they prepare for $1 t$. Some winters we
ing to gocaity. Here in Mason county there


awake, progressive men, some extra cash, and
room for the mau who stands on the street-
ahuses his neighbors and curses the country
canal, ahout eighty

bered part of the country, and neither log-
for some unusual reason. Of course, thecamps hare to stop when we get a big snow,Juif and the

## SMALLEY - Cutter

 ..


Labor-saving Conveniences Success on the farm to-day is largely proportloned to
the savाng of time and abor-which uneans economy of
productlon-and not higher rolces for the sarng of rime and labor-which ueans economy
productlon-and not higher prlces for farm products
Probally no singe machine or appliance saves int the

ing and hauling of manure, ensilage corn, graln in the
stram, corn fodder, hay, etc., all hard to load, the use

and | for these purposes. Has the fainous Electrlc steel |
| :--- |
| wheels, is light, stron and durable. Write Electrle |
| Wheol Company, Box 96, Qulncy, Ilinols, for catalo |



## er than wood fenceses, shey incial priticsel and cherep



## Yellowstone Park and Alaska

Extended tours under the management of Reau Campbell, General Manager, 1423 Mar quette Building, Chicago. Pullman Sleeping and Dining Cars leave Chicago, Tuesday July 10 th, at 10 P. M., via Chicago, Mil where. Address George H. Heafrord, General Passenger

## BUY ONLY THE BEST

## 

FIRE, WEATHER and Lightning Proof

Metal Ceilings and Side Walls
The Penn Metal Celling and Koofne Co., Ltd.,
23d \& Hamilton Sts Phila


POWER SPECIALTY CO., 126 LIberty Street, NEW YORK.


mes. w. . .ence wil


## HOUSES AND YARDS

There are so many kinds of ponl-try-lionses that no wo persons
will agree. It is like building a dwelling-house-it. depends on preference as well as the purpose. The simplest houses are the best. If the house is raised so that it will be two that the henss can rim under it, it will
be an adrantage. It shonld be closed under the floor on three sides, the hens house ten by ten feet, six feet in the rear and eight feet in front. witha door floor three feet off the ground, would be an excellent and cheap plan. It should accommolate twenty hens. An
acre of ground is about two hundred feet square. If divided into lots, each twenty by ten feet, it gives twenty lots.
If each lot contains ten liens, it gives two hundred hens to the acre. But the proper way is to have two yards for
each flock, so as to change them trom one yard to the other, which permits of sparling the yards and growing green cupying the other. The breeder of a score or two of chickens can easily and furnish them with all the food they can consume, but farmers whose pas-ture-fields are swarming with various whose grain-fields need gleaning, shonld pursue an altogether different plan if
the poultry is to yield the greatest amount of profit, especially if large numbers are to be reared. It is a wellknown fact that a large number of
liring beings confined in a small space of ground induces disease; so fowls always do best if separated in small such lots, if seattered over different. fields, they do better and grow faster than when all are roaming together,
and do so on much less food, as they pick up many insects and seeds, each flock having its own range.

## FANCY AND UTILITY

The majority of those interested in
poultry have no inclination to devote their time to the breeding of beautifnl birds only, lnut prefer to realize a profit from carcasses and eggs, and hence any in order to secnire a straight comb or a certain shade of color will in the end prove detrimental. This is proved al-
ready from the fact that while the fancy brceders have been more exacting in their standard requirements than in
any other class, yet they have not sucany other class, yet. hey have not. suc-show-birds from the best of their prize-
winners, while the breeders of larger winners, while the hreeders of larger
stock, who give but few points to colormarks, hare only a small number of culls in their herds. The farmers who
raise poultry for unarket, however, owe much to the breeders of fancy poultry, for despite all mistakes they may have made, they have preserved the pmrity
of the breeds, and as their standard is only in its infancy, the time will come
when all the breeds will combine not. only the characteristics of utility, but. convey also the outward evidences of the purity of the stock.

## POULTRY DROPPINGS

Poultry manure rapidly decomposes
and gives the ponltry-honse a very un-
pleasant olor. This canmot well be
avoided, even wheni the house is daily
cleaned, but it can be treated so as not
only to be of greater value, bint also
to lessen the disagreeable odor to a cer-
tain extent. The roosts, of course,
should be so arranged that the drop-
pings will all fall on the platform.
Keep the platform well coverel with
sifted dirt half an inch thick. To
do this is to first scatter the dirt, and then over the dirt scatter a handful of will arrest the escenpe of sumb), Which will arrest the escape of ammonia when
decomposition begins. Two or three decomposition begins. Two or three
times a week (ataily is better) sweep times a week (daily is better) sweep
the platiorm with a broom, and after it is done sprinkle the plat form and floor with a solntion of a tablespoonfu of carbolic acid in a galton of water,
and then seatter the dry dirt on the platform. The well-known Douglass mixture, composed of one pound of
copperas, two gallons of water and one ounce of sulphuric acid, is also an excellent disinfectant and a very cheap compound that can he used freely. Nothing parts with ammonia sooner than poultry mamire, and only a short period is necessary for it to dete iorate. In the process of drying the of volatile matter. The fat acids bear a direct relation to the alcohols, and are capable of forming compounds, which results where the droppings are kept moist, with soap-sinds (for they must
never be allowed to become dry), and during the time the changes are occmring in the mass the insoluble portions are reduced and the whole rendered more arailable as a plant-food, as well
as retaining its value as a fertilizing as reta
agent.

## QUALITY AND BREEDS

It would be an excellent improvement on the breeds if they could be ilar to that possessed by the turkey. But unfortunately we cannot secure all of the desirable qualities in a single breed. Breast meat is the result of
exercise, to a certain extent. It is musexercise, to a certain extent. It is mus-
cle, and the birds possessing it are natnrally high flyers. The Brahma has the frame and build for laying on large quantities of meat, but it is deficient on the breast, due to having been bred to
remain near the ground instead of flying. The Game, on the contrary, being an active, vigorous breed, is well developed on the breast, and has small bones and large muscles, which make it an excellent table-fowl. I do not allude to the standard exlibition Cianes, albough they are not entirely deficient, sively for the pit. Being trained and developed for strength and vigor, those characteristics are inherent in their progeny and render them an excellent breed of fowls. When crossed on the
Brahmas they combine quality and size, and though the cross binds are no
such high flyers as the pure breeds, such high flyers as the pure breeds, they possess some of the good qualities
of the Games with the weight of the Brahmas. In breeding for bome use these points should not be overlooked. Quality should never be sacrificed under any circumstances.

## Changing locations

It is a curious thing at times that the removal of a hen from one farm to another will prevent her from laying for awhile. This can only be ac-
counted for on the supposition that the counted for on the supposition that the change causes a slook to the nervous system ${ }^{2}$ by fright, to a certain extent, with a corresponding diminution of nu-
trition. That birds control the matter to a degree is shown by the fact that if the nest of a witd turkey-hen be destroyed she will make another and deposit a number of cggs equal to the first, althougll she will otherwise raise but one brood. Our domestic, turkey is but one hrood. Our domestic, turkey is
also induced to lay more eggs when also induced to lay more eggs when and all females of hirds will show an inclination to sit and cease laying
when the nest becomes full. These when the nest becomes fill. These facts indicate that there is a control,
to a certain extent, on the part of the to a certain extent, on the part of the
hen.

## KEEP THEM BUSY

Hens that go in the corner and sit down should be put to work. In the morning give them about one third as much food as they can eat, so as to
have them hungry. Then get some leaves, cut straw or dirt, and scatter
about, a teaspoonful of wheat, corn and oats (nised) through it. The hens will soon get hungry, and finding one grain
will hunt for another. That is just what you want. Give them nothing
til night, then feed all they want this every day. Keep them hungry dore going to roost, and they will keep well and lay

## BESTFORTHE BOWELS

## 

## © apcovicts


KEEP YOUR BLOOD CLEAN
Marquette, on Lake Superior,
is one of the most charming summer resorts
reached via the Chicago, Milwaukee \& St. Paul Railwa
Its healthful location, beautiful scenery good hotels and complete immunity from hay-fever make a summer outing at Mar quette, Michigan, very attractive from the standpoint of liealth, rest and comfort. For a copy of "The Lake Superior quette and the copper country, address, with four (4) cents in stamps to pay postage George H. Heafford, General Passenger







but not too long. Wash well mp on the neek and head and ahout the vent. Be sure all the the sumshine to dry . The tar for this wor Nould he waim and bright.
Melhourne No.

## Melhourne, Mo.

## INQUIRIES ANSWERED

Indigestion.-Reader writes: "What is
the hest remedy for iudigestion with
Reply:-Withhold all food for forty-eight geation is due nony one meal a das. IndiLoss of Young Turkers.-Mrs. J. N.,
Mayle, N. X., Twrites: "I have good luck with my little turkers until they are about two or
three weeks old, then they drop over dead. Reple:-The fart that yon have fomd lice thrkeys are being destroved by the vermin. hig Timber, Mont., writes: "1. Some of my Can you tell mew what to do for them, and if Hamburgs as sool liyers as the Leghorns?
Rephy:-1. It may be due to several un-
known canses, dependius nuon the surroundngs. Disinfeet the premises, sponge the
heals and feet with a solntion of lhne vitriol,
and anoint with molted lird.

rely interwoen. $\begin{aligned} & \text { Not } \\ & \text { ADVANCE } \\ & \text { FENCE } \\ & \text { CO. }\end{aligned}$

We are the largest manufacturers of Steel Wheels and Truck Wagons in the World. Write for Catalogue.
Havana (III.) Metal Wheel Co. TIRE TIGHTENER
.


 superiority of Leghorns orer Hamburgs,

VETERINARY

| oregular subscribers of the FARM AND Fireside wers will be given through these columns free o rge. Where an Immediate reply by mail is desired applicant should inclose a fee of one dollar, other e no attentlou wlll be pald to such a request. Inierles must be received at least Two wheks before date of the issue in which the answer is expected. terinary querles should be sent directly to DR. H. Detmers, 1315 Neil Avenue, Columbus, Ohio. <br> ore.-Parties who desire an answer to their ln ries in this column must give their name and d reasons. Anonymous luqulries are not answered. |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

"Lumps"(?).-W. F. H., West Falriew,
Pa. As so many persons use the word
"lnmp", so indiscriminately for nearly every-
thing" raised ahore the surface, I have no means of knowing what Jou mean, since you
glve no description whaterer. Impotent.-W. R., Huron, S. D. Impo-
tence in male anlmais may have various
causes. Therefore, the simple statement that your bull, which was with your cows since
last Norember, has falled to get them with calf does not indleate the cause of the im-
potency. Although it is highly probable that the fault is with the bull, it is not Impos-
slble that the same may he somerthere else. Breed, at an

Aborted Twice in Eighteen Months.
-C. E. B., Bartow, Fla. Since your -C. E. B., Bartow, Fla. Since your cow has Whll carry another calf the full length o tlme. Whether the two abortlons were pro
duced by infectlon, or whether the same wer caused by feedlng cotton-seed (oil-cake) meal, ton-seed oll-cake, however, has the reputation
of producing abortlon if fed to cows that of producing
are with calf.

## Perhaps Tubereulosis.-W. W. B., Day-

 such as are common in bovine tuberculosis. Stlll I do not positively say that your cowIs affected with that disease, but there 1 s surely euough suspiclon to make it advisable
to hare her elther examined by a competent veterinarlan or subjected to the tuberculn
test. Maybe you can procure the tuberculia cultural and Mechanical College of Texas
located at College Station, Brazos county.
son City, Teun. If by pouring hot grease
over the foot of $y$ onr horse the matrix of the hoof-horn was destroyed to such an extent
that the horn produced on one side of the
hoof is morbid and rers brittle, hoot is morbid and rery brlttle, a restora-
tlon of the horn-producing tlssues to their prevlous state, or to a condition $\ln$ which
they wlll agaln produce sound and normal horn, is an impossihility. All that can be
done in such a case is to keep the horse properly shod, perhaps with a bar-shoe made lief, and, at the same tlme, protection to the
defective part of the wall of the boof. Either Swine-plague or Lang-
worms.-J. H. C., Shelhyrille, Ind. If worms.-J. H. C., Shelhyrille, Ind. If
coughlng is the only observahle symptom
shown by your pigs, it may be that nothing but the presence of lung-worms in the ram-
ificatlons of the bronchi constitutes the cause. On the other hand, swine-plague is apt to but then the cough, although in some cases
the first symptom, will not remaln for many the first symptom, wins the only one. Lung-worms once en-
days
scanced in the ramifications of the bronchi sconced in the ramifications of the bronchi
cannot be dislodged, and if present in suf-
ficlently large numbers will become fatal to. their host, while the latter Will live and more
or less overcome the lnjuries caused by these parasites if the number of the hatter is not
large, or comparatively small. The strouger and the inore rigoros the reslstihilly of the same. Hence, good hance the chances of recovery. The preven-
tlon consists in keeping the pigs, especially
when young away from all stagnaut pools, When young, away from all stagnaut pools,
ditches and low and wet places which may
harbor the worm-hrood.

Ind. T. What you inquire about is probably of cattle. As the princlpal seat of the morbid soon becomes opaque and the evesight for the time being is lost; but if no other morhid
changes occur, and if the coruea remaius intact (does not break), and if no suppuration
1s produced, the opaqueness wrll in tme dis.
is
appoar either completely or partlally, and the appear either completely or partally, and the
affected anlmal will regain its eyesight. It different where the cornea hreaks, or where
small abscesses perforate the same, for then
the aqueous humor will escape, the morbid


Nymphomania.-T. A. C., Altoona, Pa.
What you describe appears to be a clear case
of nymphomania, a disease usually caused
hy a morhid condition of the ovarles. In a product of local tuberculosis. Where this is fined to the ovaries, spaying will convert such
an animal into a good beef-animal, provided,
 and attached to the skin by a neck, so that the body of the growth hangs down, following yourself. Get from your shoemaker a good,
strong "wax-eud" ahout four feet long, make in the middle a douhle noose, a so-
called castration noose, slip that over the growth, or tumor, as close to the body of
the mule as you possibly cau, and then, taking hold of both ends of your max-eudas tight as you can. This done, you may rou hare drawn the noose tight enough nothing further will be necessarr. The whole wax-end, instead of fire dollars. Still bet-
ter, get in a drug-store a couple of feet of new and strong rubber tubing that is not too thick, pull it out as long as sou can without condition around the neck of the tumor, as
close to the body of the mule as possible, and close to the body of the mule as possihle, and
if the tubing was kept sufficiently stretched When tied the operation is performed and uothing is needed. It will cost yon perhaps
trenty cants.
Bloody Milk.-T. V., Kane, Ill. So-called Bloody Milk.-T. V., Kane, In. So-called
bloody milk, or rather an admixture of either blood or of hemoglohin to the milk, may
hare rarious widely differing causes. I wlll once more enumerate them: 1. Bloody milk
sometimes appears immediately after calving, and then disappears in about two weeks: it requires no treatment. 2. An admixture of
blood to the milk may be observed in cases blood to the milk may be observed in cases
of mastitis (inflammation of the udder), in of mastitis (inflammation of the udder), in milking or of violent sucking. 3. An admir-
ture of blood may occur as a result of conture of blood may occur as a result of con-
gestion to the mammary glands while the cow is in heat. 4. A red color of the milk caused by an admixture of hemoglobin (dissolved
blood) may oceur iu combiuation with hemoglobinuria, caused either hy resinous otherwise, or as a concomitant of certain the blood (hemoglobiuemia). 5. Congestion of
the mammars glands, and, as a result, bloody milk, may be produced hy a sudden change of food from food rather poor in nitrogenous
compounds to food that contains an excessive quantity of the same; for instance, to a rich clover pasture. 6. An admixture of blood to
the milk is also quite often obserred in case of mammary tuberculosis. An admixture of
blood to the milk is easily distinguished from an admixture of hemoglobin. If it is the former, the red color is in streaks and the

## cles, while in the latter the red color is uniform and the microscope either shows no

blood corpuscles or but rery few. The rem-
edy in all these cases consists in removing the
causes; Where this cannot he done a remedy
does not exist.

Sick Horses.-J. J. L., Spencer. Neb. It your horses suffered from influeuza or any
other respiratory disorder; but as they have heen sick for a month on the sixteenth of cannot possibly reach you much before the fifteenth of July, it would be reckless to pre-
scribe for them without knowing what changes unay have been effected either for better or
for worse during that long time. I admlt it is very inconvenient to be forty-five miles from in cases like yours, one follows only the horse absolute rest and good carc, instead of
compelling the same to perform its accustomed wor'k, and is not too anxious to do
"something," the real damage caused by such most careful analysis of your description conwere not at all seriously affected, had probhave, every one of them, perfectly recovcred showing the first symptoms of sickness had been kept qulet in a well-ventilated stable, in Which they had pure air to breathe, had been
fed with moderate quantitles of sound food
easy of digestion, received pure water to drink, and on the whole had been well takeu
care of, even if no medicines whatever had usefulness of medicines where properly and judiciously used, but 1 also kuow the incal-
culahle damage done every day by an injuneither know the precise effect that will be
produced, nor the effect that must be pro-
duced to gain the desired end or by medcines duced to gain the desired end, or by medlcines
administered simply for the purpose of doing
"something"

Oreg. If you tell me where, on what precise
part of the body of your cow, that "lump",
is situated, I may possibly be able to answer part of the body of your cow, that "lump",
is situated, I may possibly be able to answer
your question; but not knowing whether it
is, on the head or on the foot, or anywhere is, on the head o
between, I cannot.
Infectious Abortion.-F. H. H., Zelma
Ind. What you descrihe appears to be infec Ind. What you descrihe appears to be infec-
tious abortion. If any of your cows are wlth until they have calved. Meanwhile cl and disinfect your stable and the place where
the abortions have occurred in a most thor ough mauner. If any cows now with calf should abort, burn the fetus and the afterhirth, disinfect the genitals of the cow by
irrigating the uterus and vagina wlth a one per-cent solution of creolin in hlood-warm water, and by washiug the external genitals
of the cow with a two-per-cent solution of creolin, and clean and disinfect the place
where the abortion has occurred. Still, as at Where the abortion has occurred. Still, as a
least two of your cows have already aborte trice, aud the other two at least once, it is
not improbable that they will abort again in not improbable that they will abort again in
spite of all precautipus that may he taken to prevent it. It may, therefore, be mor
economical to prepare all four cows for th economical to prepare all four coms for the
shambles, and then, after the stable and shambles, and then, after the stable and
the places where the abortions have taken place have been thoroughly cleaned and disin. fected, to buy new and healthy cows. M., Dright, Ala. To raise a young or newborn colt by hand requires much more care and labor than is generally supposed. To and requlre much more space than is avalloutline. 1. All the milk used must be per-
fectly fresh and fectly fresh and sweet. 2. Cow's milk essen
tially differs in its composition from mare's milk, and is much richer in casein and much milk, and is much richer in çasein and much
poorer in sugar of mllk. The excess of casein does not agree with a young colt, therefore excess of water must be given, which, howan excess of casein. The lack of the sugar of milk could be supplied by adding sugar of milk, but as this would prove to be rathe
expensire, the best grade of white sugar used as a suhstltute. There are also other differences between cow's milk and mare's are usually disregarded. The milk glven to a new-born colt, therefore, should be composed sweet milk from a fresh-milking cow (milk from an old-milking cow should not be used) just enough of the best white sugar to give
it the same sweet taste of mare's milk, and
water. It should be given milk-warm, which is easiest done by using warm water for
dilutlon. To avold uunecessary trouble the young colt should be taught to drink as early
as possible. A good way to do this is to
have the milk in a vessel that is neither to
deep nor too shallow, to dip the right hand
which has first been washed clean, into the milk in such a way that the index finger extends, with the tip pointlng upward, over
the surface of the milk, and then by lnducing willing to do. As soon as the colt is sucking, willing to do. As soon as the colt is sucking
the finger is gradually lowered deeper down into the milk so that t
touch the surface. After some patience and repeated trials to bring in that way the lips of down into it, the colt will soon find out a way to get larger quantlities of the coveted fluid drink. After a week or two the percentage of milk may be gradually increased, and that of water in the same proportion be decreased
so that in about a month the mixture will be ahout half milk and half water, and i about three months all milk. The exact pro-
portion suitable for every case cannot be giren, hecause there is considerable difference between milk and milk and between colt and
colt. The hest results will be ohtsined if the digestion of the colt is carefully watched.
While the colt is yet rery young and the luilk rery much diluted the colt should be gradually lengthened so the time maly be hours when undiluted milk is given. Besides this, the Joung colt should he taught to eat
as early as possible, first a little young, fine stances must be allowed under no circum then a little oatmeal gruel, and afterward some boiled oats. After the colt has passed the
first three months all that will he necessary is to provide the same with fresh milk and
suitable food, and when fire months old fresh may be graduaily more and more diluted with Wher until after another month or two it ration of oats. however, must be gradually
increased, and no runnlng down or falling off practice to turn any colt out of doors durlng the winter to shlft for itself and
stack, driven away from all the better corners
hy stronger aud older animals, and it is absolutely ruinous to a colt that has been raised
iug the first winter the very hest of care and
the most nutritious food.

"DON'T WORRY" CLUBS and supply the
sure means to serenity and sanity. Do not pensation. Write at once for particulars to
 and Fertilizer Drill
 N=WEW Bosemine wex $2=5$ $=\operatorname{men} \boldsymbol{n}$ miontic

1



BARGAINS
$=5$
Farm Gates
BEST PAY
Y"
THE CROWELL \& KIRKPATRICK CO., SPRINGFIELD, OHIO

## THE GRANGE HE PROGRESSIVE FARMER'S VIEWS <br> TE business feature of the grange appeals strongly to the farmer. Farmers are learning to count

 By making use of the trade 'arrangeof the grange the per cent saved on a year's purchase for an individualfamily would give that family means for many luxuries not now enjoyed.
The saving on a pound of sugar or a ball of twine is small, yet in the it amounts to several dollars in the course of a year. One member told me ing to $\$ 18.75$ he saved, after paying all get better goods for my money. I am now making out an additional order for groceries and hardware.
figuring on the basis of my saving this year what I would have saved had I
bought my goods in this way for ten years, and I find I could have bought my danghter a piano with the saring. You can imagine how I felt. She has musical talent, and it has been the her a musical education. But we could not go in debt for it. Now I see that child privileges that H.'s children and wife might dress elegantly, taking expensive outings and enjoy the luxuries H. grew from a poor boy to a rich man, and rather doubted his honesty. We counted every egg and weighed each
pound of butter. There was only a small difference in our counts sometimes in his favor, somefimes in ours. I trade arrangements of the grange, but I began to figure on what we must buy during the year. Fortunately, wife and penses, and it was an easy matter to make our estimate. We soon found the ours and our neighbors' economies. We were compelled to buy only the necessities of life, the staple articles of commerce. Thus he lost but little by selected the kind of goods that would pay him the largest per cent on his investment, just as you and I would do,
and we paid for those goods even more bought through the grange. We immediately made out an order for goods. It seemed pretty large; we compared year, and found that we would save the money to buy all we needed, so we purchased the necessities. We need other at six per cent interest, for the money. I felt pretty nervous about doing this, mind, and went ahead. We bought only the things absolutely necessary, so I feel pretty safe. I will tell you how
come out after I sell my wool."
"How about your trade?" I asked.
He smiled lugubriously. "If it does
He smiled lugubriously. "If it doesn't
pay better than it has 1 shall stop raispay better than it has 1 shall stop rais-
ing chickens and making butter to sell. One thing I have decided upon; that is, to keep only the number of hens well. My chickens have never paid for the time and feed given them. There is
money in them for the person who will keep only so many as he can keep well. have been losing in bnying and losing that of farming could stand that long, and no other class of people but. farmers would patiently plod along this way
so long. You see, we have always been taught to economize. If our receipts harder. When it comes to a question of self-denial the farmers can give the other fellow pointers every time."
"How do you explain the fact that
farmers are willing" to deny themselves farmers are willing to deny themselves ""It is their heritage," he replied. choice. They do not bring zealons and
inquiring minds to their work. They accept their lot as an ultimatum of haps not at all, but the rhythm and beyond their immediate neighborhood. ish love of beauty and form. The same Thus they are entirely dcpendent on mother said, "The children hardly ever that neighborhood for their views of quarrel at their play since they have lifc. Naturally one does not receive a people similarly situated. Current ex penses must be kept up, and the money must, corue from local trade. The find a very small maroin for improre find a very small margin for improvedreams of better things, He has vague dreams of better things, but hard worl scatters his dreams to the four Thus it becomes a matter of habit to save rather than find a new market or improve his product for a choice mar ket. I verily believe that if the same energy that is used in denying one's self-comforts was used in better methods of farming, in breaking away from worn-out traditions, not only would the farmer be happier, but,

I think our friend is largely right His idea is to create in every one more desires, knowing that the desire, if strong enough, will be fulfilled. He believes also in less manual labor and
more brain labor. Sixteen hours of hard labor leaves little time or strength for thought as to how to turn the prodnet of that labor to account.
Some time to every farmer comes the question, How happens it that my neighbor is so successful, while the lot
of myself and my family is such a hard one? Happy for himself and family is it if he turns the seurch-light on his own life, as our friend did, instead of lamenting over the injustice of the world. Sooner or later he will find largely to be found.

## gather the little ones in

 If some bright young girl full of noble resolves and generous impulses wanted to do a work of far-reaching good in her own community she could find no wider scope than in organizing and looking after a juvenile grange. Children like to do as older ones do. They are quick to find out the ones with like desires and ambitions. These band together in little societies and cliques. A bright young woman could turn these natural traits of children to good advantage. Try the plan of organizing a grange in your community, and see how quickly the little ones will take onimportant airs; how eagerly they will ballot for their officers; how closely they will guard their little secrets.
Train them in parlianentary usage Train them in parliamentary usage.
Instead of dividing the grange into arbitrary classes, each class having its appointed time to be on duty, let the children organize two or more societies within the grange. Let each society have its officers and its constitution and by-laws. This will stir up a healthy rivalry and cause the children to do their best from the inherent desire to ably from some noted personage or ably from some noted personage or society. Look up in your encyclopedia
the biograply of several notable persons, and tell it in story form to the children. They will soon select their favorite and name their societies for
them. When a teacher- in a small them. When a teacher in a small
country school I tried this plan, and it was eminently satisfactory. The two societies were called the Emersonian and Holmes respectively-the children choosing these names. Each society then learned all it could of its favorite, committed to memory many choice gems from each, and were thus led into the broader realm of literature. It hear the little ones talk of the Brook Farm community, of Emerson, Tho ean. Channing and others of that brilliant company. Their lives wer relationship to these noble men and Thomen, as, indeed, they had a right to The effect on the neighborhood was marked. One mother said to me, "What is that the children are singing?" WVe listened a moment. It was the lasi verse of Holmes" "Chambered Nauti-
lus." Those children were indeed building stately mansions. At another time we heard them chanting the prayer o
"Mary, Queen of Scots," in Latin. Did
gone into these societies. The other day the children had some trouble, when Agnes said, 'We can't sing these erses if we are going to fuss.' "
The great secret is to get the ones interested. Their natural curiosity and desire to excel will be spur nough. The way the days of youth are spent indicate the would not have the little ones long-faced and solemn, but I would see that their childisll inquiries, as much as possible, found answer. Such a life would not make them dull and morose, but quick, bright, eager, joyous, fort to themselves and a blessing to humanity. It is not the studious, in quiring child that loafs at the corne grocery or makes a break for every
ers are those whose active minds have not been trained in the right channels, but whose activities were directed to he low and vile. These are the one which give rise to the criticism that
the country youth is depraved. he country youth is depraved.
Children are easily influenced. See to t-that the influences surrounding them are elevating. The children of to-day will be in control when your sun is setonditions by which the next generation will be governed. See to it that right principles arc implanted in their minds when they are yet plastic and easily molded. In no way can this be so well done as in an organization. In no way can the grange be more surely perpetuated than by instilling in the minds of the future grangers the noble
and uplifting principles of our order.

Country children are apt to think their lot especially hard, and envy the town youth his advantages. Not long ago the librarian of a town of about four thousand inhabitants told me of a young man eighteen years of age who had never had any but the compulsory schooling our state demands. Each year he hoped to attend, and each time his hopes were frustrated. He made use of the library, however. But he dared not let his father know he did so, much less know that he could read. What would a country boy think of would rebel.

Several parties complain that they are not able to get the books recom mended. Those of you who are so for tunate as to live in a state having
traveling library system can secure books at small cost. , The following are books at snall cost. . The following are governing securing of library consin, transportation charges; Kansas, two dollarsand transportation charges; New York, five dollars and transportation charges; Michigan, transportation charges; Ohio, transportation charges. In those states demanding a fee, one safely returned. If interested, write to
the state librarian of your state. Address him at the capital.

## CIGARETTE-SMOKERS

The Southern railway system in South Carolina has given a harder moral the cigarette fiend than all the scientists combined could gi
mands that all employees who now smoke cigarettes must either quit and that in the or lose their position cigarette-smoker will be employed by the company. Railways all over the capacity of trust who drink in any men eoming to make the same dis tinction in all positions that require clear heads and accuracy. When bright dication of manliness to drink, and
moke cigarcttes, and that these habits s of produc ive labor, they abandon habiots that entail so muc miser'y

## BURNED and CHEWED S600,000,000, <br> That's what it cost America last year

 to keep alive a disease that is making Figures appalling? Yes, but the finanFigures appalling? Yes, but the inan. of vital power. The ever present man with restless eyes, twitching mouth, moving feet and tobacco tainted skin tells the story. Don't you think it's time to quiby taking

## NO-TO-BAC.

regulates tobacco using. In
a few days all desire is gone, your appetite is better, your blood is purified, your nerves grow strong. you run no a man-maker. And then, you run no der your own
drugaist's guarantee.

## -

$\qquad$


 catalogue; choose your premium; then take orders.
No money required if reference is given. Furni-
ture, Crockery or Cash Commission also given ture, Crockery or
Express Paid.
W. G. BAKER, Dep't 87, Springfleld, Mass.



DO YOU KNOW
either by working all or part of the time? If so please serid us the name and address, or ask the THE CROWELL \& KIRKPATPICK CO.
ECTMA
ECZEMA $== \pm$

RUPTURE $=5$


## คำ


$\overline{\mathrm{BEST}} \mathrm{PAY}=\mathrm{E}=$
LADIES TO DO PLAIN SEWING

OPIUM
GolDomerer fatade






By Frances Bennett Callaway

部New game which promise to have considerable fun in
it is called "Pussy Wants it is called "Pussy Wants or corner-couch is made luxurious with cushions, rugs, footstool, and here the chosen Pussy sits in state. One of the comher side and reads the questions to be answered.
The first one to give a correct answer takes Pussy's place, the secretary takes the seat left racant, while Pussy, in the secretary's place, now keeps an account of the game in a tablet provided for that purpose, and continues the ques tions. These questions must each be written with an appropriate answer on
a separate slip of paper, folded carefula separate slip of paper, folded carefully, and numbered on the outside. The one who occupies Pussy's corner the most frequently receives the first prize, which may be any souvenir in the shape of a cat-from a silver salt-cellar to a cat calendar or photograph. The booby prize should, if possible, be something cunning in the shape of a mouse. The when a spring is pressed is the most when

## QUESTIONS AND ANSWERS

1. When is a cat not a cat? When she is a "Mauser.
2. What does Pussy take for afternoon tea? Catnip
3. What comes after catnip? Catnap.
4. In what kind of a bed does Pussy sleep? A cat's-cradle.
5. Where does the cradle stand? In
a catercorner.
6. What swift-flying gull calls Pussy to awake? Kittiwake
7. What comes after Kitty wakes up? Catsup.
8. With what relatives does Pussy spend her evenings? Catkins.
9. To what famous club would Kitty naturally resort? The Kit-cat club.
10. What useful book has Pussy made out of a $\log$ ? Catalog.
11. What jewel does Pussy prize most highly? Cat's-eye.
12. What article of her toilet has long been in disuse? Catacombs.
13. What tree does Pussy pronounce when she wants to have her own way? Pussy-willow.
14. What bird calls Pussy up a tree? The cat-bird.
15. What wild animal does she per sonate as she mounts? Catamount.
16. If Pussy were to fall, what furry 16. If Pussy were to fall, what furry
creature would support her? Caterpillar.
17. When is kit in a position to be of
the most use to the world? When a the most $u$
kit of tools.
18. What mountains in this country are the most dangerous for cats to travel in? The Catskill mountains. 19. When Pussy goes boating, what sort of a boat
boat, of course
boat, of course.
19. When the boat upsets in the lake, where does she find herself? In a cataclysm.
20. What happens then? A catastrophe. 22. How is it written up? In a catagraph.

PREPARING VEGETABLES FOR THE TABLE The dwellers in cities and towns are
obliged to take such regetables as they obliged to take such regetables as they
can get. Sometimes they are fresh from the gardens where grown. but
more often they are not. One who has never eaten peas, beans, corn, aspar-
agus, etc., fresh from the garden has no agus, etc., fresh from the garden has no
idea how much superior they are to the idea how much superior they are to the
same regetables as sold in the market If any one should hare their table supplied with the best of regetables all ily; and I have my opinion of the farmer who does not see to it that his garden is well taken care of, planted
with a succession of summer regetables and a good supply of those that may be kept for winter use.
Given a well-supplied garden, the housewife must see to it that the vegetables are gathcred and cooked in the best way. Asparagus should be freshly cut; but when it first starts in the spring it is sometimes necessary to use two days' cutting to have enough for a meal. In that case wrap what you cut the first day in a clean cloth wrung out of cold water, and lay it on the cellar floor. The next day cut the bed gain, and cook both together. If it is allowed to grow until there is enough to cut at once, some of it will be tough and woody. In some markets it is impossible to buy the green, tender asparagus which is so superior to the tough, blanched stalks that are sold. Have the water boiling, with a little salt in it, and cook the asparagus about twenty minutes; serve it on nicely toasted slices of bread moistened with some of the water, and dress well with butter.
There are many things which, under the general name of greens, make an appetizing dish in the spring and summer. Among these are spinach lam mer. Among these are spinach, kale, dandelion, cress, mustard and young beets, the latter, of course, cooked tops and bottoms together before the bottoms are large enough to cook alone. Several kinds may be cooked together, and will be an improvement over any one alone. One of the most important things about cooking greens is the careful looking over and washing. Dandelion, kale and mustard are improred by parboiling a few minutes, then draining off the water and adding fresh, adding salt and letting cook until tender. When done drain the greens in a colander, chop fine put a greens in a colander, chop fine, put a:
generous lump of butter in the saucepan, and return the greens to the fire pan, and return the greens to the fire until hot. If they are made into a mound in the dish, and garnished with slices of hard-boiled eggs, the dish looks nicer.
Peas are a vegetable that deteriorates very quickly after being picked from the vines. Do not let them stay on the vines too long. They are in their prime just as soon as the pods are plump, and if picked, shelled and cooked at once will be sweet and delicious. Peas should be put into boiling water and cooked about twenty minutes, when the water should be nearly cooked off. Season with a little salt and pepper, a generous lump of butter and a spoonful or two lump of butter and a spoonful or two
of sweet cream. When cooked fresh of sweet cream. When cooked fresh
from the garden no sugar will be needed.
String
String carefully, break into short pieces, and wash string-beans, then put them into hot water and boil about two hours. Keep them covered with water, and be sure to allow plenty of time for them to cook tender. When nearly done add salt, pepper and butter, let the water nearly cook off, and just before serving add half a cupful of sweet cream.
Summer squashes are best steamed, and they should be picked when tender enough for the thumb-nail to easily pierce the skin. When cooked drain thoroughly, mash, and set on the back of the range to dry out some. Sea son with salt, pepper, butter and a little sugar.
Many cooks make the mistake of cooking green corn too long. which instead of making it tender hardens it like boiling an egg too long. Good sweet-corn will cook sufficiently in fifteen to twenty minutes, and should be serred immediately. If the corn is not good and fresh, long boiling will not improve it.
Succotas
properly is a delicious dish when tural, or "wren's egre". beans to therticulbeans for making succotash. Shell the beans and let them boil on shell the more, or until nearly boil an hour or the table, then cut the corn from the
cob, having as much corn as beans, add the corn to the beans, season with salt, pepper and butter, and let it cook fifteen minutes longer; then a
as to string-beans, and serve.
as to string-beans, and serve
Cabbage is a much more delicately flavored vegetable if parboiled. Trim the cabbage, cut it into sections, wash, and remove the hard center. Then inclose it in a net bag, put into a pot of boiling water, and let it boil ten minutes. Drain all the water off, add as much more boiling water, salt it, and let the cabbage boil until tender-about fifteen or twenty minutes; then drain thoroughly, chop, but not fine, return it to the fire, and season with butter, pepper and cream, unless you wish to serve with vinegar. A teaspoonful of sugar added with the other seasoning is an improvement. MAIDA MCL

## ACORN LACE

Make a chain of 16 stitches; turn
First row- 1 tr in fourth st; ch 3 1 tr in same st, forming a loop, repeat, ch 2 , miss 2 , a loop in next st, repeat three times, making 5 loops in all; turn.
Second row-Ch 2, 6 tr in last loop made, same in next loop and in three following loops, 1 tr in turning ch at end, to make a straight edge; turn.

Third row-Ch 2, a loop in middle of last 6 tr , ch 2 , a loop in middle of next 3 tr , ch 2 , a loop in middle of next 3 tr , ch $2,1 \mathrm{tr}$ in space, 6 on 6 tr , and 1 in space following, 8 in all, ch 2 , loop in
middle of next 6 , ch 2 , loop in middle of next 6 ; turn.
Fourth row-Ch 2, 6 tr in loop last made, same in next, 1 tr in space, 1
on. With a good cook there need be no dependence on these caterers to civili zation, and the jolliest sort of a time can be had at a minimum expense.
In the morniug you arise a little afer daybreak, for not to be up at sunrise argues laziness, as wrell as losing ne of the rarest sights of the whole twenty-four hours for the tardy sleep. A dip in a near-by stream in lieu of the usual morning tub brings you out as fresh as a daisy and ready for beakfast, which generally consists of fish but a few hours out of the water, sarory bacon, coffee, potatoes and rolls. After breakfast the various members f the company mate ready for their pecial diversions, some preferring long trolls for the some preferring long rolls for the excitement of fishing minute bite comes almost every other minute, and still others going off in canoes and row-boats to visit the other camps situated along the borders of the same sheet of water.
At noon-time a hungry horde assembles to eat almost practically the same things as at breakfast; but the air is so bracing that keen appetites produced hereby never cavil at the fare, but pronounce it the best in the world, never objecting the least bit to a monotony that would soon make them lose their tempers at home.
In the afternoon everybody sleeps until three o'clock, the hammocks being in particular demand, after which mor ramps, boating and reading are in ulged in until bed-time, when erery one gathers around a gipsy-kettle and an al fresco meal is participated in by all hands-the men making the tea and broiling the fish, the girls preparing special dainties in the chafing-dish.

on each 8 of $\operatorname{tr}$, and 1 in following space, 10 in all, 6 tr under each of next 2 loops; turn.
Fifth row-Like third row, with 12 tr in the solid block.
Sixth row-Like fourth row, with 14 tr.
Seventh row-Like third row, with 16 Eighth row-Like fourth row, with 18 tr .
Ninth row-Like third row, with 20 Tenth row-Like fourth row, with 22 tr.

Elerenth row-Ch 2, a loop in middle of last 6 tr , ch 2 , loop in middle of next 6 doubles, ch 2 , a loop between first and second trs, ch 2, loop between sixth and seventh, el 2 , loop between eleventh and twelfth, ch 2, loop between sixteenth and seventeenth, ch 2 , loop bech 2 , loop in middle of next 6 ; turn. ch 2, loop in middle of next 6; turn.
Twelfth row-Ch 2, 6 tr in each of Twelfth row-Ch 2, 6 tr in each of 9
loops, make a tr under 2 ch at end; turn.
Thirteenth row-Ch 2, loop in middle of 6 tr ; repeat four times; turn

Repeat from second row.

## aomi S. Mattison.

## THE BILL OF FARE FOR CAMP-LIFE

"Don't think of going to camp without. a good cook and a chafing-dish," is the advice of a veteran camper: and it is necessary to realize the importance of these items, especially the former, if the camp is situated so far from stores call from the baker to be depended up-

Then at night, those glorious moonlit hours, when all sit out under the trees and sing, or drift out into the lake in a blissful, restful spirit that takes you miles and miles away from the humdrum existence of city life Away in the distance is heard the songs from some other camp, and the roices of the night chirp in merry chorus as each one steals array to repose that is sweeter and more refreshing than any enjoyed since childhood days.

Even the rainy days are made charming with taffy-pulls and games in the shelter of the tents, with reading and music; and in the evening the chafingdish is again brought into play. With the rubber boots and the sensible camp ing clothing sundry outdoor excursions may be enjoyed under the dripping may be enjoyed under the dripping drenchings.
Taking it all in all, the camping gir will have the best time of it. There will be no big dressmaker's bills to pay and no dressing up in purple and fine linen for the bencfit of hotel guests. She intends to go in for as well as for rest, and she intends to bring back a store of health with her in the autumn worth untold wealth And if she can add to this a quantity of sketches and studies which she wil work up for financial profit during the coming winter in town, or a store of floral specimens for her herbarium, or of insects or geological specimens for the collection that happens to be the particular fad of the time, she will feel that she has receired a double benefit from her camping experience

Phebe Westcott Humphreys

## July 13, 1900

THE FARM AND FIRESIDE

THE GIRL IN THE KHAKI DRESS There she goes hin the shopplng square; The men look hack, and the women sta
The critics' remarks are passing alond the critics' remarks are passing alond

But shc hears then not, and she cares much She's onc of the first in a khaki dress. She passes the cop on the shopping heat; "The color's the same." he says, with a grin"The same as the mand she"s walking in But she hears them not, and she cares mueh Slie's one of the first in a kihaki dress. The newshoy grins, "Get onto her nlbs! ow, wonldn't dat tickle yer under de ribs? Take it away! It don't go here! But she hears them not, and she cures much less:
She's one of
Tls a gauntlet run for a thousind une
nt she hraves the "Whews?". and the rude And the girls who gape and love to sav, 'She looks like a road on a rainy day!" But she hears them not, and she cares much

She's one of the first In a khakl dress.

VEGETABLES IN GENERAL-A FEW IN PARTICULAR

WHEN vegetables are being boiled be kept, regular fire should ept up, and they should lowed to stop boiling or simmering until they are thoroughly done. A little salt should be thrown into the boiling water before the vegetables are put in. When done drain carefully before send ing to the table. the pot-to improve the or plored, as it destroys the flavor and enders them flat and insipid.
Carrots.-To boil carrots in their own juice, wash clean and scrape them cutting out discolored spots; cut them into rather thick slices, and throw them into as much boiling salted water until they are tolerably tender, then boil quickly, to evaporate the water, of which only a spoonful or so should be left in the saucepan. Sprinkle pepper on the carrots, put in a small piece of butter rolled in flour, turn and toss them gently until the juice is thickened and adheres to them, and serve immediately. They are improved by adding a dessert-spoonful of minced parsley and cream mixed with a little flour to pre vent curdling
Squash with Toast.-Cut into pieces and stew until tender, in as little wate as possible. Put into a colander, drain thoroughly, then return to the stove and add two tablespoonfuls of butter salt and pepper. Serve on toast.

Beet and Cabbage Salad.-Chop equal parts of boiled beets and young cabbage. Mix thoroughly, add salt to taste, a few tablespoonfuls of sugar and cover with diluted lemon-juice.

Baked Beets.-Wash young and tender beets, and place in an earthen it evaporates add more, which must be evaporates add more, which must be of a boiling temperature. Set in a mod-
erate oven, and bake for two or three hours. When tender remove the skins, and dress with lemon-juice or cream sauce.
Stewed Corn-pulp.-Take six ears of green corn, and with a sharp knife cut a thin shaving from each row of kernels, or score each kernel, and with the back of the knife scrape out the pulp, taking care to leave the hulls on the cob. Heat one and one half cupfuls of rich milk to boiling, add the corn cook twenty or thirty minutes, and sea sor with salt and a little sugar.
Green Peas with Bacon.-Two quarts of shelled green peas, two onions, one handful of parsley, two pounds of bacon, twotablespoonfuls of flour and two upfuls of water. Cut the bacon into Sperind orer with four a peas, onions (whole), the parsley (tied) and cook one hour. Take out the onion and parsley just before serving.
To Blaych String-beans.-Select nice resh string-beans. Break off the top. and bottoms, carcfully string both sides, wash them carefully in cold water, lifting them up and down, then drain off the water. Place them in a
vessel, cover with boiling. salt-water, Drain off the water, return minutes. fresh cold water, and allow them to cool in same. Lift out and wipe dry ool in same. lift out and wipe dry and they are ready to use for salads or ther cooking purposes.
String-beans with Cream.-Take a quart of blanched beans, put into a saucepan with a tablespoonful of but ter, and cook on the stove for five min rtes, stirring them well. Season with salt and pepper and one fourth of a bunch of chives and a sprig of parsley tied together. Pour in a cupful of cream diluted with one egg-yolk, and heat well, without boiling, for five minutes Serve hot.
Parsnips witil Egg Sauce.-Serape wash and slice thinly enough parsnip o make three pints; steam, bake or boil them very tender. It boiled, 'turn into a colander and drain well. Have eady an age sauce for preparing which read a pint of rich milk to boiling, and heat a pint of rich milk to boiling, and tim ith a little mill ubbed smooth with a little milk. Le his boil a few minutes, stirring constantly, then add slowly the well-beaten
yolk of one egg, stirring rapidly so yolk of one egg, stirring rapidly so whole, and salt to taste; let it boil up once, then pour over the parsnips.
Asparagus and Peas-Asparagus and green peas make a nice dish stewed together, and of proportionate age require the same length of time to cook. Scason with butter and cream, or milk
in which a small amount of flour has been smoothed.
Asparagus with Dutch Sauce.-Afer washing the asparagus put it over the fire in small bunches in salted boiling water. When tender drain, and send to the table on toast or a napkin, sending a dish of Dutch sauce to the table with it. To make this sauce, put over the fire a tablespoonful each of butter and flour, stirring them until they bubble, then gradually stir in a pint of boiling water. Season with salt and white pepper, and draw the saucepan to the side of the fire, where the sauce, cannot boil; then stir in three tablespoonfuls of oil, drop by drop, or two tablespoonfuls of butter, one tablespoonful of vinegar or lemon-juice, and fimally the yolks of two raw eggs; serve as soon as the eggs are added, because t will be apt to curdle if it stands until the eggs are cooked.
Browned Cauliflower.-Beat together two eggs, a little salt, four tablespoonfuls of sweet cream and a small quantity of grated bread-crumbs well moistened withe a little milk until of the consistency of batter. Steam the cauliflower until tender, separate into bunches, dip each top in the mixture and place in nice order in a puddingdish; put into the oren, and brown.
Cauliflower may be boiled and served with white sauce, or mashed through a colander and seasoned with cream. Cauliflower with EgG Sauce.-
Steam the cauliflower until tender,
separate, dish, and directed for parsips Ella Bartlett Simmons.

## PINEAPPLE DOILY

## Chain 12; join in a ring.

First row-Ch 3,23 tr in the ring, oin to top of 3 ch .
Second row-Ch 4, 1 tr in next tr, ch 1 tr in next; repeat from all around; 1 , join to top of 3 ch .
Third row- $A$ double in first tr, eh 5 miss 1, a double in next; repeat all around, making 12 ch loops of 5 stitches each.
Fourth row-Single crochet up to third st of first 5 ch , repeat, ch 7, a d c in third of next 5 ch ; repeat all around. Fifth row-TVork up to fourth of 7 ch, repeat, ch 9, a double in fourth next 7 ch ; repeat from all around.
Sixth row-A single in first 3 stitches of 9 ch , ch 5 (for a double $\operatorname{tr}$ and 1 ch ), repeat five times, ch 3,7 double $\operatorname{tr}$ separated by 1 ch between each under next 9 ch ; repeat from last around, and join $9 \mathrm{ch} ;$ repeat from last arou
Seventh row-A double under first 1 ch, ch 5 , a double under next 1 ch ; repeat around, making 5 ch between the pineapple.

Eighth row-Single crochet to third of first 5 ch , repeat, ch 5,1 double under next ch, repeat three times, ch 7, a
$d \mathrm{c}$ under first 5 ch in next pineapple, d c under first 5 ch in next pineapple,
and repeat around.
and repeat around.


Ninth row-Work up to third of first ch, repeat, ch 5, a double under next 5 ch, repeat twice, ch 9 , a double under first 5 ch of next pineapple, and repeat Tenth row-Work up to third first 5 ch , ch 5 , a double under next 5 ch, ch 5 , a double under next 5 ch , ch 11 , and repeat around

Eleventh row-Work up to third of first 5 ch , ch 5 , a double under next ch 13, a double under next 5 ch , and repeat; join always in the stitches where the rounds start.

Twelfth row-A double under 5 ch , ch a double tr under 5 ch , repeat, ch 1 , a double tr under same 5 ch , repeat four times, ch 3,7 double $t r$ each separated by 1 ch under the three center stitches of 13 ch , ch 3,7 double tr each separated by 1 ch under 5 ch , repeat all around, and join to fourth of 5 ch at beginning.

Thirteenth, fourteenth, fifteenth, sixteenth and seventeenth rows-Like eleventh rows. This completes the doily

Naoimi S. Mattison.

## train the boy

"For every boy who does not work, and for every woman who is idle, somebody must suffer cold and hunger," is a proverb which the Chinese teach their children. It is a good thing for a boy
to be busy-always busy. If he has to to be busy-always busy. If he has to
work out of school-hours, let him be glad that he is getting in training to
be a useful man. But whatever he does, if he fails in first attempts let him "try, try again," until he succeeds to his own satisfaction at least. Goethe says:

## "Do thy little well, and for thy comfort know

 Great men do thelr greatest work no bette than just so.This will teach diligence, and there is a decided distinction between "diligence" and "busy industry." Habits
of diligence, perseverance and patience of diligence, perseverance and patience
well inculcated will be of more value well inculcated will be of more value
than houses and land. Temperance, honesty, integrity, follow naturally in the walke. There is a strong contrast between the resources and temptations of the city and the country boy. Always hungry and thirsty, the growing country boy turns to his garden, his orchard and berry-patch; he knows where wild strawberries, grapes, plums, sassafras, elm, wintergreens, mints, hem, and is totisfied. From a spoon hem, and is satisfied. From a spoon-liewing-gum so toothsome that the chewing-gum so toothsme that the ubber boot variety offers no tempta ion. He is full of invention, and is a busy and happy as a squirrel laying up stores for future use. The broken machines and trumpery with which every arm is strewn offer wonderful poss bilities to him. He learns early and unconsciously to put "extortion upon common things and extract the wine of life by pressure." Wonderful lesson!
The unfortunate city boy has the same desires without the same resources. Nothing to do out of schoolhours, Satan finds employment for him on the street, with evil companions, and a gambler, a tippler, a cigarette-smoker, is easily developed. A popular humorist has said, "If you wish a child to go ist has said, "If you wish a child to go mish along the line yourself." But skirmishing is not enough. Manoeuvering and the most skillful strategy you are capable of often meet with most humiliating defeat. The keen eyes of the child probably discern between simply skirmishing and genuine battling. A good example, however, is necessity with the most careful training. Aristotle says, "Let the very playthings of your children have a bearing on the life and work of the coming man. It is early training that makes the master."
There is no parent but desires for his child a sound mind in a sound body. It bchooves the parent, then, to make a study of the antecedents, of the tendencies, of the bent of mind or inclination of his child, as well as to take the most guarded care of its health, in order to train him up in the way he should go-in the way his talents or ifts of mind direct that he may make his life-a success in the best sense of the word-for his God, for his home and for his country
"It matters IIttle where I was born, Or whether my parents were rich or poor
Whether they faced the world's cold scorn, Or walked in the pride of wealth secure; But whether I live an honest man, And hold Integrity firm in my clutch, tell you, my brother, plaln as I can, It matters much."

## Vesta C. Turner.

## a SUCCESS

Tiny, attractive stockings fashioned of silk, dainty fine cloth, etc., were recently distributed among all of the parishioners and friends of the First Presbyterian church of Staunton. Attached to each stocking was the follow-
ing verse printed in gold on a small ing verse printed in gold ou a small card:
"In the size of the hose you rear
Place that number of cents in the stocking with care;
may dine

The name of the church appeared in he lower left-hand corner.
A delicious supper was daintily served o the guests for the amount of pennies the various stockings contained
This entertainment was enjoyable, and profitable, too; for, as customary, most of the food was donated. The expenses were light, hearts gay, profits satisfactory. ADELe K. Johnson.
[HOUSEHOLD CONCLUDED ON PAGE 17]

## 

WHy did father sacrifice it all for us?" This question, in one form
or another, had come to Jessie Wheeler a score of times in the last fortnight. On oue occasion
she had put it directly to her she had put it and left her pans
brother. She had
and kettles for a moment aud run out to the shed where Craig was
placing ia new point on his plow placing a new point on his plow.
"Father didn't think he was sacrificing his home wheu be put the mortgage on it, I am sure," Craig had
answered, resting a moment from his work "The times seemed to demand it. He probably thought he should get well and pay it
off. He did It for our good, too. What edu ofr. He did it for our good, too. What educa-
tion would we have had if the inst fire rears tion would we have had if the fast five years
of schooling had been denied us? I'm the last of schooling had been denied us? I'm
to find fault with what father did." To "Oh, I'munt not flinding fault, Craig:"' returned his sister, with a little eatch in her voice.
"But it does seem too had that we should have this staring us in the face. To think
that we may hare to give up the home! This that we may hare to gire up the home! This
after the death of father-mother finds lt so hard! Why couldn't father have let us kuow? I mould rather have g,
learning, and all that.'
"Father did what he thought was best,
"But was it for the best, Craig?"
"Whatever is, is for the best. if
that--res." is, is for the best; if we believ
"Do vou beliere it? I don't believe I do," doubtrully.
"I think I do," answered ber brother, his anner more positive than his words.
point, then? If it had held off till I had completed another sear at the Normai, then I should hare been fitted to teach school. As
it is I can't do that, aud what I're learned it is I can't do that, aud what I're learned
the last fers years isn't going to be of much the last few years isn't going to be of much
help in raising poultry or churuing butter. I suppose it is a little better with you. At the Agricultural College you had some practical Work which will he of benefit to you on the farm. Rut in $m y$ case I dont see-the
of it.,
Craig smiled: he was quite in the habit Craig smiled; he was quite in the habit of
doing this when bad went to worse. He had had some thoughts which were in line with it forced him to speak them now. "I don't know about my college education. It has sometimes seemed to me that I've
learned just enough to prore a dangerous thing. But pshaw! things may not be inrolved so badly as they seem. Mr. Atkinson
is coming to the house to-night to go over is coming to the house to-night to go over
the papers with mother; theu we shall know where me stand. At the worst you and I are weli and strong, and I guess tbere'll he a wa. to pull out of it, and save the farm, too."
Craig went back to the plow-point and the work before him. He was a short, stoutly
built hor of eighteen, with a round ruddy built hoy of eighteen, with a rouna, rudyy
face, and chestnut-colored hair that gathered nearly two years rounger hat. Jessie was same number of inches as Craig. She was slin in ifigure, and as bandsome in. features as
the brother, whom she regarded as the best in the world.
A month before they had been called home from their separate schools by the sudden
serious turn in the father's iilness. For ser serious turn in the father's iilness. For sel
eral pears Mr. Wheeler had contended against the dread disease consumption. He had fought his malady manfully, erer keeping look upon things. Because of this his pamily look upon things. Because of this his family hard cold in the spring, which closed hi the crushlng effect of a terrible and unex
pected blow:
The Whecler home was beautifully sltuated The Whecler home was beautifully sltuated
on a farm of eighty acres. The thoroughfare before the house was the main highway cut-
ting across the state from east to west, and was greatly traveled. Ten miles to the eas it descended suddenly into the prettr little
town of Hillsborough, their post-office aud Here, to the high school, the ehildren had first gone on leaving home, haring finished
the course taught in the little red schoolhouse at the Forks, west of the town. Every
Friday night for four years the father had
driveu to town to fetch them home, that the Sabbath might he speut together. After this ent institutious of adranced learning situated
at such distane that it took them altogether
irom home. Though for five years the greater part of the time had been spent away from Having finished his work with the iuple ment, Craig dragged it from the shed to
where the horse stood. ready to hook on.
"There
"On the 'level fire,"' he answered. "It is easy there, and 1 must favor myself a little mother says that father inteuded to plant that to corn; aud so far as I can I mean to carry out what he futended to do: at leas this summer. Since father has let Mr. Hunter have sisty acres to work on shares there are only twenty left for me, aud the most of that I shall use for pasture and hay
Then he turned the plow upon its side and drove away. Jessie reulained for a moment, the distant fleld. The warm, bright lane to of early May poured upon the cuntry-side and cave color and lisht the prettr scine. Hills rose and fell about in giant undulations, as if' some wightr sea had suddentr been crstallized and then mottled with browns and greens, with here and there a fringe of woodland.
Mr. Atkinson came soon after the supper dishes had been cleared away that night. Mis. Wheeier admitted the caller, and directed him to a chair. The shadors of the
recent death was plainly heary upou the house

I have hrought a statement of the business Which your hush
"My son wili be in in a moment," iute upted the mother. "I wish him to hear th matter. He isn't quite don
"Yes. Well, I will wait."
Mr. Atkinson faid an ominous-looking en relope on the table near the shaded lamp. "It has been a pleasant day," he remarked and they responded with words to fill up the interval.
Jessie had slipped into a chair near the outer door, through which she glanced, expecting Craig to euter evers moment. Mrs. Wheeler sat in the shador, swaying nervousy to and fro in a rocking-chair. She was stll y roung woman. Craig and his mother re sembled each other much, hoth in form an life portrait of whleh hung upon the over ber head.
Then Craig came, and the subject caling forth the risit was taken up at once. Mr. children, and now the three jointly,
"As you are aware," he began, "your husighty the title to this home and the ery acres of iand surrounding it. And a ery good property it is. This, of course, no oes to his wife and children. Unfortunately fre years ago your father placed a mortgage n the lands, and he has felt it necessar. rom time to time to increase this. This bur "How much is the mortgage now?" alsi. "Um!" began Mr. Atkinson, picking up on paper and laying it down for another until he found the right one. "The principal-thre housand dollars, with in'terest, payable sem annually, at sereu per ceut. One payment fars."
Thesc figures staggered the little household. r. Atklnson had been afraid they would and had passed over them as lightly as pos sible.
"What would our place bring at a force ale?" Craig inquired, with a clouded bro
"I should judge four thousand dollars."
"Onr interest in it is less than one thousand," murnured the
anan to the owe over th
"Do we owed the mother, sc. sked mother scarcely That she had heard. "Resides, where are the hills recently made? Why, it is more than we can ever par! What will sou do mith us? Will rou turn us out of our home, Mr. Atkin-
"No, indeed. Mrs. W"heeler; I trust nothing of that kind mar be necessary. You understand that I do not hold the mortgage. I am
merely acting as an agent for some Eastern merely acting as an agent for som "How long will it be before we must pay
this or give up our home?" inquired Craig.
"Well, of course if ther should foreclos on you-granting that-there would be a sear place. No steps' of that kind will he tate place. No steps of that kind will he take penny. So if the rery worst is to come, you In that time quite a bit can be done, and hope any such catastrophe ean be arerted.
It is not so dark, you see."
mother. "And where are we to get any more?"
"There is a little grain la the barn," said Craig: "that could be sold. Onr horns are do
ing nicely. And there will be hater-mones" ing nicely. And there will be hutter-money"
"Rnt it has alwars taken all of that to il on! Oh. Craig, I don't see how rou can be so
hopeful! How ran yon expect to do better

At no one coufereuce of the family's was pame together from time to time, aud talked the matter over, the way cleared hefore them. words of his mother's came to craig. "I don't expect to do hetter than father
did." the boy said then. "Sou know, mother, I heliere that this deht was largely made
that Jessie aud I might go to school. It cost father uprard of three bundred dollars a year to educate us. That drain upou the
farm will all cease now. I didn't think of that last night. That saring in itself wil more than pay the interest on the mortgage
"So it will, mama." declared Jessie sn denly hathed in a ray of hope. "But Craig and I can do better than or bope. but Craig and I can do hetter than just stop being a hurden
We can help. Aud all that we raise ahove the interest will go to lessen the mortgage.' "If we are ecouomical, maybe we shall get "long," the mother said.
"There won't a thing need to he bought for me for a whole year." declared Jessie. "I can make the sleeres in mr shirt-walst, My winter cloak was uew only last fall, aud i guess I can wear it three or four winters "It's a real comfort
"It's a real comfort to feel that my children look so
the mother.
the mother
"I only
"I only wish I could do more," returned bouse if Id let her. for two. Don't rou know of something Cralg, that I can do to earn money?"
"I've heen feariug that I should be out of work, too," answered hel brother. "The few acres that are left us aren't going to keep
me busy all the time. But perhaps I can find something to do for some of our neighbors." "If we could on
suggested Jessie.
Craig had finished his dinner, and rose to return to the field.
summer hoarders go where they can have rowing or fishing, or mountain air or some thing of that sort," said Craig, as he left.
But at night, when all the work was done and the two sat on the porch, enjoying the that summer-boarder idea of you know. fastened itself in my ber fastened itself in my head-
"I're been thinking of a scheme-
"Oh, I knew rou would! Out with it! What is it?"
"You know. what lots and lots of people there are go by here on their wheels through might earn some moner by making the place a sort of resort for them. They are always glad to stop and rest under our fine maples. We can keep some light refreshurents on hand to sell to them. If we shouldn't do great deal this summer, it might be the be ginning of a business that would prove be paid off in oue year, nor in fire. But go it must, is m. motto, as the Irishman said when he sta
Hask!'
"Olh, Craig. don't!" eried Jessie, with the first hearty laugh since coming home. "Where is mama? I must tell her of it." And she
called Mrs. Wheeler to join them on the porch. "The shall almars have milk. of tinme, sall the girl. time tbere ll be huttermilk: aud the
be little skimping glasses, either!"

## Craig.

"Oh, res; I learned how to make some loveIy ices of the lady where I boarded at the "Iarbe it was for this rery thing
"Marbe it was for this rery thing that I her brother. "I shall paint a big sign some eveniug-to-morrow
"We had better give the place some name hadn't we?", asked Jessie. "Mama, what can we call it? 'Hillside Resort;' how would that "No; it must be something suggestive of our guests," put in Craig. "'Bikers' Bowers!"
"Oh, that sounds low and slangy," deciared Jessic; and Craig langhed softly because she seemed to take him seriously.
"What is the matter with 'Wheelman's Rest ?'" he offered next.
girls- Mama, haven't you a name
"that would include all who ride wheels."
But that is our name, hegan Jessie.
'rs' Welcome' it is! 'Wheelers' Weleome!'
They talked of their plan till late, and little
Craig fond a long, elean hoard which could
be spared from an inner wall of the barn, and the next erening legan to paint the sign.
He was a good draughtsuan. and made the letters so well they would have done eredit to a professinnal sign-writer. When all
"You ought to have had an apostrophe in
 "No, sir: $l^{\prime} \mathrm{m}$ nof going to have any apostro-
phe. That's a phan. Yon dou't puuctuate
puus and make 'em according to rules of
grammar. That don't stand alone for the
possessive, but anythiug the reader's a mind to make of it. See!"
"It's awfully well done, anyway!." sh - I'm goiug to paint a small one to swing under it, with something like this on it
Fresh Milk, Buttermilk, Ice-cream, Sherhet Fruit-ices, ete. Lunch:",
"That will be good:",
When the farm-work got where he conle is hours to this new cralg devoted more o canras that had heen used to cover wheat an awning beneath the maple and under this Jessie set an attractive table pread with snowy liuell. Chairs mere placed neath the trees. Their croquet was set ont ou a smooth picce of ground, aud before the Oumer had passed craig erected a swiug. Out of two wheels, which he took frow roken-domri phaeton, Craig constructed dumms bicycle of giant proportions. This he painted an attractive color, aud hung the ars an admirer of her hrother, Jessie, althe cleverest hit he had done, for it gave this finish to the whel It fumished a sort unirersal language and there could be no doubt as to the patrons they catered to. Meanwhile Jessic had had her busy time ions o spend the night with them. Accordingly essie had fitted up a chamber, with denim orering the foor, some cheap, airy fabric or curtains at the windows, aud pretty banges were made ereu in Craig's room, and he beginning of a bed arranged for at the the in casc it should be uecessary for him o give up his room at short notice
eclared Jessie, after a particnlarly mad day's mork.
"Oh. they'll come all right enongb," re really opened ret Wait "The season hasn' ust! How many did you say-five had stopped here to-das? And our receipts hare bee serentr-fire cents? I call that prettr good for early! It's the hest dar we're had.
The girls fears that they would hare ers next day, though in a way not at all t er liking. With fleet-footed Mollie Craig ould drive to Hillsborough and hack in thre quired him to go to town, he had an eari quired him to go to town, he had an eariy
supper and set out at once. It had been impossible for him to get arras sooner, hut h calculated to make good time and not he out ater than half-past nine or ten o'clock. Jessie and her mother sat up till he came hile ber daughter puss Tith some mendiug, had rained early in the dar and tbe sk was still orercast with hearr clouds; at rar interrals they parted for
bright moon shone through.
hlumiuation As the moon bre was sue humiuation. As the woon broke through th lhe figure of a man micht be seen to leave the shining bicycle-path and step into the deep shadow of the fence and His eres wer hoth of which were boldy outlined against the dark sky. Then he turned his gaze to the When the landscape was again slirouded in arkness he resumed his way cantionsly, but ouly to leave the path again after proceeding ferr rods. This time he elimhed the fenc and entered the yard. He skulked along a rom of raspherry-bushes to the harn, but found the doors there locked against him. Anothe ing light of tbe window, and for a long time watched the silent workers within. ter a time "There ought to be something ter a time. The
"Craig!"' she said to Jessie, glanclng swiftly at the clock. "Why, it's strange didn't hear him drive in!"' the door.

Chapter ill.
At the sonnd of the rapping Mrs. Wheele gave a little start of surprisc. She itad con-
fidently expected it to he Craig. and that b fidently expected it to he Craig. and that he
would walk in. Craig would not knock for admisston to his own home, with a light burn ing and his mother and sister waiting fo him. Who, then, rould it he at that hour? Whe dow little hesitation the mother went "Gool-evenin". lad,." said a roice ealcu-
lated to win sympathy. "Could you give me is bit to eat? I hare come a long mays to-
das luokin' for work, an' I haven't had a monthfur silce yesterdar noon. I can't fin a jolb, an' I'm ont $o^{\circ}$ mones. I don't like to Wsk for food. Wht I'ru very hungry, lady
With the rain this mornin'-, "Come in," s:id Mrs. Wheeler, kindly, and into the next room and began to set out a funcli for him on the table. He sat motion just hefore him.

Jesste glaneed up rrom her figures once or twlec to see what manner of man they were
liarhoriag. He was arldently ten or a dozen years older than Craig: a short beard grew
on his face, with a hears, stulby monstache. He was clad in eotrse garments,
pression was not prepossessing.
"He may not he a dangreous. wise from belug a desirable one. Dear! I hope Craig wlll come soon.
began Mrs. Whecler, nodding to the man. "I have set the coffec on the stove, and it whll heat in a few mhutes. I am expecting my he'll get here in time to have a cup with you.
"Trell, you sec, I morked in minois last, a strike. I stald awhile, till my money give out an' I saw there was goin to be real come a way
Well-in Canada. If I once get there gness I can find something to do. You sec,
lu Canada we're always hemin' that there Is plenty to do in the States; that there's a
joh for every man, an' all that sort $o^{\prime}$ thing. But wange had ere spoase to the receptlon which had been given him in this housc. Mrs. Wheeler"s mamne
und kindly linterest seemed to arouse his better uature. As he ate and told her his story the expression of his face lost its hard, surly things, beeame nore and more apparent. turned when Craig at last entered the room But this hogan to fade away agaln when the boy took his place opposite to drink the eup
of coffce whlch his mother had poured. Mrs. of coffce whlch his mother had poured. Mrs.
Wheeler repeated the stranger's story syupaWheelcr repeated the stranger's story sympa-
thetleally to her son, who gave cvery appear anee or bomg intinsted.
The elock striking ten acted at last to
break up the group. The strauger for his hat, and seemed embarrassed to know for their entertainment. He shutfed about the room, making his way close to Craig.
$\qquad$ he whispered lnto the hoy's ear as he passed. Craig followed him into the open air.
"Say, boss, can ye give me a place to sleep to-night? I don't mean th the house. I ain't
fit for clean sbeets aud the like o' them. The barn'll do for me. I'll help ye do the chores breakfast. I tried your barn once to-night but found it locked,"
Cralg. "I enn let round after dark," said hare to lock you in." "I'd ratier be locked in than locked out," replied the stranger. "Ye see, the raiu this damp to sleep on. I ain't used to this tramp business, though you may not believe it. I'd give it up mighty quick for a good ehance to
live like an honest man. I've bcen ordered ofr of folks' premiscs an' had the dogs set on me till I'm tired and sick of the life. It
ain't oue of my choosin', I can tell ye! Well, boss, I won't keep ye up talkin' to ye
'I aia't blamin' folks for not trustin' most places has made me feel like turnin' the worst kind $o^{\prime}$ tramp. Your folks are the first to treat me white for a month. Oh,
of course I haln't stopped at every plaee. When a feller gets ordered off a farm be don't feei like stoppin' at the rery next house,
nor the next. Well, boss, you'li find me here in the mornin' all rlght."
"r'm having a "bed fixed here for me," said Craig. "I'll show you where it is, and you Can sleep on it to-might

- The tramp scemed much pleased with thls show of kindness, and when Craig
the partly made hed thanked him.
didn't thank yer mother, hoss. I didn't When ye go in. I'll rentemher that supper belleve it-r've got a mother in Canada!'
There was something in his tones, however, that forged conviction. Craig thought his
whole manner a little queer He had never had a tramp behave just this way hefore, and perhaps this was the greater reason why They wished caeb other gond-night, and then separated. Craig looked the barin, and Late as it was,
Late as it was, the three talked the tramp orer. Jessie ras afraid they did wrong to trist him at all; he might fall to smoking,
and set the barn on fire. Mrs. Wheeler didn't leilceve he used tobaceo; she had stood over him at the table, and wals sure she should Craig believed he could be trusted. If the aad this was reasou to helieve the fellow would be extra cautious.
household beareame miduight in slumhere the little ing arose to disturh them. except the harnyard forms. These entered iong, loud protests
In the morning against the sleep that still hn morning against the sleep that still
hung npou the evelids of the little master and bis family, though the sun was nore than
an hour high.


## monning the whe fir folt that it whe time

 knew the strmger's name, for it wass somewhat awliward to address him when his back $\because$ Johu Frazer is hy name, but I'm mostly calle od Jick. An' what I'm wonderlu' How much of a farm have ye got bere? And do ye run it all alone? I'm not denyin,that Id llke a berth with ye myself!" hly a small how he was situated; that omy a small part of the laud was under has
control this season. and that he scarcely had control this season. and that be scarcely had enough to keep himself hasy all the thme.
He thonght, however, that Funter, who had He thought, however, that Hunter, who had want an extral hatnd aow that haylng would want an extra hand aow that haying would
soon he upon them, and after that harvest. He prouised Frazer to do what he could for him.
Cralg had discovered that the stranger car rled a small bundle of clothing with him. Afer the morning meal frazer opened his gloughgs on the barn thoor, a
glanving utensils.
"Say, hoss," he questloned, "would the ladles let me have a cmp $o^{\circ}$ hot water? I'd kind, o' llke to get elemmed up u hit before goln' over to that place ye speak of. It mlght hand over his chin. "My, it's morc'n a weet and over his chin. Na, it morch a week couldn't get hot water. Sbaviu' malies a lot difference with a feller, as I'll show ye!? Craig said he would fetch the water, and left at once for that purpose. The tranp ose in Jessie's esthn
her hrother's errand
"Why, it's his beard, mama, wore than anything clse that makes him look so rough,"
"He has had bad luek," said Cralg, "and Wrond like to do what I can to help him We've heen in the bad-luck boat ourscives, may be glad of a littic help now and then, oo. Of coursc, I can't say much to recom nend hinu. He worked well this morning, ful ahout the farm. I ean tell Mr: Hunter that much, and he can give him a trial i he's in need of help. I'm going over to Huner's with him as soon as he's shaved.
Then Craig earried the hot water to the haru. He did not remain there long, but came hack to the honse to break up some ice,
for Jessie was preparing to freeze some for Jessie was preparing to freeze some
eream. It seemed as if they had hecu workeream. It seemed as if they had hecu work-
ing scarcely a winute, hut it was iu reality a quarter of an

## roused them.

"What's that?" demanded Jessie.
She and Craig sprang to the door just in on Molife's back.' He called something, and heekoned with his hand, which the two accepted in specchless amazement as some sort
of defiance.

## Chapter IV.

"Oh, he is gone, Craig! He has stolen Mol lie, and gone!" cried Jessie, in alarm. "You must go after him! Take Prancer, and go after him quick!"
"Prancer could never catch him," answered Cralg, slowly. He was so astouished at this action of the tramps at the very moment wheu they were heginuing to think well of do. "He mist be crazy to steal Mollie. Don't he know he'll be eanght and sent to prison?" standing here the way rou are whty "He is uenary to the porner now, and will soou he is ucarly to the corner now, and wight. There! He is tmrniug uow! Oh, if Mr. Hunter would only sec him and stop
"Why, he is going into Hmnter's!" cx
claimed Craig. "Oh, their house is nffre! See
Near the chimney! He has gone to tell them!" Near the chimney! He has gone to tell them!' Then a great clange came over the two re-
garding the tramp. "He hasn't stolen Mollie garding the tramp. "He hasn't stolen Mollie
at all," said Craig. "Why, that is what he meant when he cailed back 'fire!' I though he was daring me to slinot at him!"
wronged him. Oh, the poor Hunters! it wronged him. Oh, the poor Hunters! It's
awfui to have your homse hurn down!" "Thes"il need more holp," said Crais, quickly. "I'm goiag; you tell mo away he dashed aeross the fields.
coned hetweeu Craig and the kiuding fire In the lowland he was shut from the view hut as he ran over the crest of cach hill he saw how matters progressed at his neighbor*s. A small column of sinoke rose from the roof
near the kitchen ehinuey, and tongues of hadry faum leaped Huuter, But when one had heen string at Huuter's. But when Craig
climbed the secoud hill ail this was clunged He sam Mr. Hunter iu the yard now, inftHe sam Mr. Hunter iu the rard now, ilft-
ing a ladder to the roof. Frazer, who had given the alarm, was drawing water at the ing the form-bell fuillest frimers wang crying "fire." and running about with pails As Craig climhed the third hill he saw that water was being thrown in pailfuis upon the
flames. Here and there, up and down the eountry road, ueighhors were coming, each on the run and carrying one or more huekets. The smoke had changed now from a reddish
gray to a dull black, and the fames had withdrawn from sight.

On and on craig dashed an fant as ans nhort iimbs could earry him. Would they be able
to put out the fire? What wonld the IIunters do if their home bmened to the ground? Of course, the neighbors would take them in.
He certaliny proboubly come to his own home Hould wish him to. He was glad Frazer had not proped the thief they were so quick to think him.
Critig ellmhed the last hill, panting hard.
The smoke had certaiuiy decrensed rery per-
ceptibly. It now scemed as if they might ceptibly. It now scemed as if they might
cexthguish the fire with small damage to the cxtlnguish the fire with small damage to the
house. He ran across the road which sephouse. He ran across the road which sep-
irated their farm frou the lad where the Hunters had their home. . Other men were which passed buckets of water un the fadder From his position he could not kuow what headway was being made against the flames; hut after a time the huckets were not taken from him so rapidly; theu there ceased to he a demand for them altogether.
"It is out! The fire is out! They hare put it out!" were the words which the women
took up and passed frour mouth to mouth. Craig moved ahout among the crowd that hat assembica, and histan to the conver sation. He looked for Frazer, hut at first ghance he wrought in remoring his beard Hunter was shaking hands with the strancer and thankiug him for his timely warning. "How came he with rour horse". Hu asked, as he discovered Craig by his side Explanations follow of the moment when he and his sister had doubted the strauger, and Frazer never knew but wbat he had been understood from the first. Hunter was so grateful for the assistance that had heen rendered that he readily promised to give him work on the farm.
Cratg went round by the kitchen to look otber damage the fire bad done. There he found his sister, who bad followed him more slowly a cross the fields. Every one was marslowly
veling
fire.
Jessie came and whispered to Craig. "You
haven't said anything to any one about what regard to Fraze
"No," answered Craig.
"Well, let's don't."
"Mr. Hunter is
"Oh, I'm glad!"
"Isn't lt time we were going home?" asked Craig, presently. "That ice I broke up for you will all be mclted."
"There's more where it came from," she retarned, quietly. "res; we can better afford to lose a little ice than Hunters could thelr holine!",
"Oh, I'm so glad it could be saved!" she said.
"Yon'll have a chance to ride homc," Craig told her, as they moved about the furniture
which had been carried into the yard. "MolWhich had been carried into the yard. "Mo
"Isn't-Frazer going baek tour house?
"IIe is coming over to-night for bis belongiugs. Hunter has plenty of work for him - "I'm so day."
"I'm so glad he will never know what we vard on Mollie's back," said Jessie again.
ing him uow:
"If hy,", eried his sister, clapping her hand over her mouth and glancing fearfully about,
"Sh! There by the steps. I don't wonder yon dou't recognize him. I didn't myself at
first. He makes a fairly good-looking fellow with a clean face. Shall we go now?",
"I'm going to speak to him first," said Jessie, with a little dariug in her voice. And approacbing him, she asked, "What do sou
think of Mollie as a saddle-horse, Mr. Frathink of Mollie as a saddle-horse, Mr. Fra
"Well-she's a good 'un," he rcturned, pleased that Jessie had noticed him. "I hope didn't run her too hard
"I ought to make some excuses for takin' "None dit maybe-" fire is your best excuse. I am glad rou were abie to do what you did."
Then Jessie was ready to return bome. Seated on Mollie's hack, she walked her horse by. Craig's side along the country roan, talkfor the future. Atter reaching the house they edomile thelr cfrots, for the intrintio The day promlsed to be wariu, and Jessie whished to get her creau frozen; and hesides there were a conple of cakes to bake. Cralg devoted the remainder of the forenoon to helping hils slster. but after dlnuer he folt That work in the field demanded his attentiou
The front yard looked rery inviting that warm afternoon. The table spread under the canopy, with the cool maples shatuing the whole; the chairs companionably placed in cozy nooks: the croquet set aud the ham-
mocks, eaeh in its way was suggestive of pleasureable moments. Jessie had scized book-hour for rest, and thrown herself, what Dressed in a soft summer gorn, she was the crowning feature in thls delightfui spot.
and listening, whe bearl the first stere and listening, she heard the first step one
takes in alightiug froa a bicycle. Springlag lighty from her hammock, Jessic stood in rcadiness to wait upon her guests, A lady cane toward her, whilc a man reumaned pust the whcels into the rack which Craig "Have you some real good ercam?" the lady
asked, smiling, and plaping peculiar cmphasis on her words.
"Yes'm," returned Jessie; "and I think yon will agree with me nfter you have tried it. "Well, yon may fetch us some.
"And some cake
Jessic hurried away to fill the order. After she had brought the cream and the culke she returned to her chair at a little distaneo. Here she would not seem to be listening to the conversatiou, but still could wait upon them shonld they wish anything more. "M-m! John, this is delicious!" rrled the lady. Then turning to Jcssie, "You make As she scemed to wish to talk with her, Jessie came and stood near them. Her guest
was full of questions, nll of which Jessic was was full of questions, all of which Jessic was
ready and willing to nnswer. ready and willing to answe weren't
she asked next. "Uy summer, were you?" she asked next. My hasband and I spend
our smmmers in this icinitymiles over thls way isn't it John? thre miles over thas way, isn't it, John? I'm ail country. We were alone this road a uumber of tlmes last summer, but I don ${ }^{\circ}$ t remember this place at all."
with them, and expresscd a hope that the would come again
"Oh, we shall!" declared the wifc. "This is Friday." She fell to catculating. "We ean't come to-morrow. Will we come Sunday, John? No-but Monday! Now that I've tasted your cream I can't live beyond Monday with
out some!" Her.
Her calculation opened np a question of after they had gone. In all the asticipatlons after they had gone. In all tbe asticipatlon they had never once thougbt of the Sunday trade. How were they to meet it?

Both Craig and Jessie had been taught that it was wrong to carry the week's work into the Sabbatb, and they were very conscien
tions about the matter. When Craig had tions about the matter. barn, and the suppe dishes were put away, Jessie came to him much that afternoon. much that afternoon.
Craig?" she asked. "Is "The about Sundar Craig?" she asked. "Is 'Whecler's Welcome "Why, certainly not," returncd her brother What do yon mean?"
"Weil, two of our gucsts to-day rather promised to come here Suuday for ice-cream I had never thought of it before. But it came to me all of a sudden then, What were we to do? Are we to stay home from church
and Sunday-school and work the same as on and Sunday-school and work the same as on other days, or- What are we to do?
husiness saturday night, the same as any "But cau we do that?" questioned hivig. "People won't look at it that war. One has got to eat on Sunday the same as any day And roll know there are always more going hy here on their wheels on Sunday than on any two or eren three days during the week.
What are we to do? Turu them array if they ask for something to eat? I should feel mean to do that, for they might be very hungry. But I can't think of working for money on
the Sabbath. I don't know what to do."
Craig began to feel a littie of his sister's Craig bc
perpiexity.
"I guess there's some was we can do," he
said, thoughtfully. "I gucss we won't bave said, thoughtfully. "I gucss we won't have
to give up the business. It isut right to Sunday, and we won't do it. Father didn't to it at all. People who keep eating-houses in the city must do something of the liud, I should think.
That's what I was thiuking!" deelared Christians among them!", "I guess they don't stop to think about it
the way rou have." "But that's the right thiug to do-to think about it. Das after to-morrow is Sunday. "As you say, people doust have something to
eat on Sunday." began Craig. "They ought to stay at home and get it then," said Jessie, very positively,
"Supposiug they were boarding?" suggested
"Well, where they are hoardiur is their home. Let them stay there. If we should it was regular boarders I shond feel that meals for thectly on Sunday, just the same as for onrselves. But I don't helieve it is right to make ice-creau and sell it out there under the maples on Sunday.

Saturday uiglit. The sign is fived the house
Saturday uiglit. The sign is fixed so that we
an take that down, and then people won't
he stopping here. We won't make any ice. creaul Sunday, so of course we won't hare any to sell ou that day. If any one who is
travelius far comes along here and wants to tas over Sundas with us., why, we will bee them. That would he all right. We will go thes want to they can go with ns.",
a.Welll lose the hest dar in the week making moner." said Jessie. with wek for sigh. "And there are lots of folks who would

Jessie rather talked on hoorn sides of the Juestion, hut not heceuse she had two minds
n the subiect. Turough a free diseuss lon sihe hoped to reach a conclusion that would sat isfy their consciences.
.But 5 .
隹 Hestionced Craig.

And if we give up the Sunday trade 1 guess it will he made up to us through the weel,", he continned, confidently. "I don't
helleve we will lose ansthing hy it in the end.
 Jessie counted her reeclpts almost erery Then she could not gire the exact amount. "We've taken in a dollar and eighty cents today,", she answered, with a note of pride
(or her whe Those two men that stapyed to supper helped quite a hit-Giftry cents. I think when the
season is fulls open we ought to take in four or five dollars every day-and marshe more It lisn't all profit. hut must of it is pay for our work, so 1 it neamy, het cear mone. to ns., at it Is a great deal hetter than not to do it so much lutter to sell if we freeze our cream and the eggs you will use in cakes and on moner than to sell them in the old wary."
Thile ther were talling some one turned in at their gate and came up the path Coward the house. Jessic recognlzed through the gloom the form of rrazer. among themselves they had come to style him such. "He has come for the hundle which he left in the harn."
Frazer reported himself well pleased with his new position. They talked of the fire and of the day, which had seemed a long one. Then Craig went to the harn with him. Frazer had
taken a strong fancs to Moliie atter the rlide that morring on her hack, and he went at once to the stall to stroke her sleek neck and tell her what a fine horse she was. This in his oninion of the fellow,
iWald the tram,
intle hoss,", sald the "Welll, now, litte ...s' se erer have a job Where ye want another man to help for a minute, remem rer rin Yer neighhor, and
Tould be mighty glad to do rou a good turn. would be mighty glad to do Fou a good turn.
I'm not one to forget them that's done a good thing by me. My respects to the ladies, and-good-night!
The next day the receipts at "Whellers Welcome"e climhed ahore the two-dollar marls, and there was accordingly. rejoiciug nt night
It heing Saturray, Crais put the front vard in tis former shape, und thes were permitted in sperd a rery quiet Sabhath. All three at
 the Coruers, three miles distant. Monday morning Cralg helped his mother
and sister alout the house. In adaltion to the rcgular work there was the washing, which was larger because of this new de parture. In the afternoon craig morked in
the field.
Thils soon caule to he the usual the fiel. Thls sood caue to he the usual
routue at the farm. There was fresh cream to freeze every morninger and chairs to to he
to carricd out and the front yard put in order
the heary work Craig almass attended to. In the evening Jessie would tell him of the patrons she had during the day, and there
was alwass his adrice to ask or some little Incident to relate. With the keenest interest hes wathen their inttre hoarra of mones
grow from day to day. There mas the Inter est that was orerdue that was on their minds
Hlke a continual welght. If this could be paid then it would seem as if they were makising some beaduay.
"Two horses are more than we can arforu
 "With the iight faruning that 1 ann doing one tore to good adrantage I thiluk we ought to:

 weeks, and only balf a day at that. If we
could sell Prancer te ought to bring a hundred

 rancer. Gays after this Craig reported, huy Prancer, and pay the price I ask. else, for then the horse will hardly he learing he plice. And if 1 should ever work the the
Whole farm, as 1 Iutend to some das, Mr. Houtter will give mear chane to huy him
hack: and In the meautime he will hlre him
our to me any day. When I need tivo horses
for a tho of work.
Prancer was accordingly turned orer to heir neighhor, and Craitg handed the emoney Which he had received to his mother. for safe keeping. As Frazer was going to Hillshoo ough,
ther sent word by him to IIr Atkison that thes sent word by him to Mr. Atkinson that
the moner was ready for the orerdue interthe moncy was ready for the orerdue Inter-
est, and askied him to stop at thilr place When he might he driving hy.
Mr. Atkinson was very prompt in meeting his engagements. Mrs. Wheeler gare him a Chalr when he called, and arter a fer words for a llght, for she could put her hands rlght on the hills in the dark.
She repented an astonished "Why!" on fallIng to thad what she sought at the first tralal. This was repeated with added emphasis and a uote of alarm as the ohject of her search still eluued her deft enyers. With growling larm at last she went for a lamp. "It is gone! The money is gone!" she had [TO be continued]
the cocoabean
-ne cocoa-bean, which is the fruit of the the manufacture of chocolate, cocoas, hroma this country, there was quite a large con. ocoa, and of Its suskt, under the neme coca-s.sells. In recent cears, howererer, the direction of chocolate, prepared cocoa and Broma.
A marvelous and perhaps the greatest increase In the use of preparatlons from th fectioners. Chocolate ln the form of bonthe principal articles offered by confectloners, and, in fact, it is found in many other stores nd at the innumerable street-stands and slotpopular. Eren the theater caters to the tuity to pations offcring honbons as a grause of the article at home in the preparation of chocolate, caramels and the well-known fad of "fudge." This form of consumption is
eridently on the increase. Moreorer, there is the unlversal and growing use of chocolate in

> Black Whiskers Buckingham"s Dye To indicate the present rolume of chocolate and cocoa consumption In this country, it may he stated that the total Iniports of crude coco were $31,775,587$ pounds, valued at $\$ 7,378,820$ Of this total, the principal receipts were as follows: From Brazil, 6,976,302 pounds; othe South American points, $8,543,484$ pounds British fest Indies, $7,276,786$ pounds; othe West Indies, 759,111 pounds; Great Britain, Ketherlands and other European points, 6,912,141 pounds. This would lndicate an 000,000 pound the prepared produt our country. In 1865 the total products in did not exceed 2000 ,000 pounds. In 1896 it reached $26,319,275$ pounds, and a year later It had increased to $27,000,000$ pounds. In 1899 , althongh crude cocoa wns in short suppls, the increase was nearly $2,000,000$ pounds. The estimated consumption in Europe is 102 000,000 ponnds.
One of the largest cocoa plantatlons ln the world is locatcd at Nicaragua, and is owned il orer the world turn out about $40,000,000$ pounds of chocolate year, and their employees numher 1.500 are wrapped costs alone $\$ 100,000$ per annum. since competition has reduced the price of less imerican-manufactured article there is enter this market, and this, with the fact that there is now a duty of two and one half has caused a marked decliue in imports of chocolate preparations. Last year they did not exceed $1,200,000$.
The great and increasing demand for cocos. dively Cuha and Forto Rico, and to the opportunl f ho prabls herong the prodion of those islands hy dereloping the plantation Coston Com merclal Bulletin.
 hroughout, and really costs hut a trifie more or one year. Catalogue giving a full description Manufacturing Co., Quincy, Ill., who also will


Postage pald
by us

## A great Healer

DR. PEEBLES' WONDERFUL CURES HAVE MADE HIS NAME FAMOUS THE WORLD OVER

|  |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |



WANTED**<br>LADIES AND GENTLEMEN TO PROCURE SUBSCRIPTIONS FOR THE<br>\section*{WOMAN'S HOME<br><br>COMPANION}

the Most Beautiful and Popular Home Magazine in the World Large CASH Commission. Sample copies furnished free

ADDRESS
WOMAN'S HOME COMPANIOA Springfield, Ohio

## A \$2 Sealskin Premium No. 697 Pocketbook Free

This Genuine Seal Pocketbook Given FREE for a club' of EIGHT Yearly Subscriptions to the Farm and Fireside.


This pocketbook is made of real sealskin leather. It is lined with finest smooth black calfskin leather, and is $4 \frac{1}{2}$ inches long, 3 inches wide, and has five compartments, including card-case and money-purse. Sells in stores for $\$ 2$.

YOUR NAME in PURE GOLD-LEAF will be cents EXTRA, or for TWO extra names in the club Price of the Pocketbook, and the Farm and .Fire$\$ 1.25$

This Pocketbook sells in stores for $\$ 2$. We buy them direct from the manufacturers, and sell them without profit in order to get the subscriptions and clubs. Guar-
anteed to be real sealskin of the finest quality and to give entire satisfaction or your money refunded. Address FARM AND FIRESIDE, Springfield, Ohio



THE HEROIC AGE
He speaks not well who doth his time deplore Numing it new and little and obscure,
Ignoble aud mifit for lofty deeds. Ignoble aud mnit for lofty deeds.
All times were modern in the tin
An times were modern in the time of them,
And this no more than others. Do thy part Here in the living dar, as did the great Who made old days lumortal! So sha
Say, "Then the the when men were truly Though wirls grew less, their spirits met the

## of new conditions; conquering ciric wrong

 Saving the state anew by virtuons fives; Gnarding the conntry's ownor as their eountry's and the
## sons

Defying lengued fraud with single truth Not fearing loss, and diring to be pure. pest

## to .mind

By wisdom drawn from eld, and eounsel Gave death for man, so nobly gare they llfe Those the great days, and that the heroie -Riehard Watson Gilder.

## THE LUXURY OF BEING POOR

IWE do not always relish being poor is because we do not appreciate
blessings. I am sorry for any one who cannot afford to be poor. fullest extent one must be a gentleman or a genius. But even without either of these advantages there is cause for thanksgiving in a modest think of poverty. If you are poor, think of the endless burden of impedday to day-honses, servants, tailors, your own dignity-a thousand cares and annoyances which press up-
or the rich and crush them back into or the rich and crush them back into
the fat clay from which they came There are rich people who are good, and there are rich people who are happy, but they are so at how great a cost!
It is the old story of the savage over again. "Why don't you work?" "What for?" "So that you may be rich." that you need wish to be ", "But I do nothing now.'
If you are rich you cannot be free. Kout have obligations you cannot shirk. But the greatest freedons of the poor
is the freerlom of spirit. If I am poor is the freedom of spirit. If I am pool I am not obliged to be always on papresenting an appearance. My outward circumstance is so insignificant that I mind with the higher life. That is why it is good for a genius to be poor-
he has nothing to divert hinn from his noblest self. He may have the luxury of a free and untrammeled life. Voluntary poverty, such as that of the eccle-
siastical orders, is a great positive virtue and a means of happiness. The mere act or renunciation in itself is no virtue. If you forego the pleasure of a
new gown, and still keep hankering after it, that is no virtue, and does you little good. But if you buying it, saying to yourselt, "Thank heaven, I am free from one more en-
cumbrance!" you are already on the cumbrance!" you are ald

In order to have the goods of this world you must be strenuous, unsleep-
ing, given to hard work. You must will and energize day in and day out. You must impose your way on others, and strive, and never rest (unless, of course, you are dishonest, and make your money instead of earning it). And for world with responsibility already upon them such a life of endeavor is necessary. Others may be depending upon them-the aged, the helpless, the unfor-
tunate. They cannot shun the demands of humanity. They dare not indulge their own love of freedom. They cannot afford to be poo
son yourself into submission. Just dis-
miss your will entirely. Let it go out and play. Forget it. Then you may truly begin to live the greater life Your own inner, truer personality will have time and space to grow. You will breathe more treely and feel yourself a part of a larger life. If poverty only makes us strive the harder (not work, but strive), then it is a curse and not a blessing. But that depends on our own mind. To be able to enjoy this beautiful earth and our strange, rich, wonder keep a spirit untrammeled by outward things and untarnished by error. To be soured by poverty or to be hardened by it is a mistake, an error of thought Instead of enjoying our life, we are cramping ourselves. It is just as if we were set at a feast and sulkily refused to enjoy a few dishes because we could not reach everything on the table and make ourselves sick, like foolish chilren that we are
But children don't mind poverty. It is not until they grow and cultivate their wilful individnality that unhappiness and discontent overtake them. It is in their disregard of circumstance that we still may imitate them. They enjoy being barefoot and having nothing, until some mistaken grown-up makes them ashamed of it.
Oh, artist, know that unless you can afford to be poor you can never reach the full height of your power! You an never abandon strife and insistence and your own small worldly will. You can never be merged into the greate sweep of being whence inspiration foivs. Do you tell me competition and struggle are necessary to make you produce your best? If that is the main spring of your art, then your art is worthless. You are only an artisan. It you were an artist you would sit down in supreme contentment and rags, painting for the joy of it alone. you could afford never to sell a picture as it is, and it would grow better every year. The brooding soul ripens; the anxious mind withers and blights. It is not good for you to live richly in cities, because it is hard to deny your self. Your must first be poor and lonel and dejected; then you must think o the luxury of your freedom; then you will enter into possession of yourself;
then yon, will be glad and free and crethen yonl will be glad and free and cre-
ative and great. There is no other gladative and great. There is no other gladness; there is no other -Bliss Carman in Boston Transcript.

## HEAT-STROKE AND SUNSTROKE

Dr. Moussoir, a French naval surgeon describes the difference between sunstroke and heat-stroke, concerning which there has hitherto been some confusion. Heat-stroke is a pathological condition induced by the action on the whole surface of the body during a sufficiently prolonged period of temperature exceecing one hun red and four degrees Fahrenheit whereas sunstroke is produced by the action on the cranium during a period which need not necessarily be long. of sufficiently intense solar radiation The high temperature causing heat stroke may be either moist or dry and may emanate from any source The moist heat of a stoke-hole on board ship, for instance, brings on heat-stroke by preventing the eraporation of perspiration, while a dry heat, by shriveling up the skin into a parchment-like substance, prevents the exudation of perspiration. Heat-stroke comes from superheated blood, which comes from superheated on the nerve-centers. It usually comets on the nerve-centers. It usually comes on gradually, but the victim may
collapse very suddenly. Stokers can collapse very suddenly. Stokers can row, ill-rentilated spaces when working naked, or nearly so, whereas soldiers on duty in the open air are orercome by heat-stroke from the increase of caloric underneath their thick clothing, which also hinders the evaporation of sweat

The chemical rays emitted by the sun can pierce through white clouds freely, but are almost entirely arrested by black substances, aud partially so by red. This explains the immunity from sunstroke of negroes and people -with swarthy complexions, and the dimin ished liability to it of the ruddy Covering the head saves one from sun troke, but, as in the case of thick cloth ing, a helmet may help in dereloping nometers show that the temperature inside a regulation helmet may be ten degrees Centigrade higher than in the shade of a veranda. In the matter of treatment, Dr. Moussoir insists on excitation and antipyrin, together with ice,
cold affusion and the rest of the stock cold affusion and the rest of the stock remedies. Good advice in case of sun or heat trouble is contained in the injunctropical countries: "Don't touch alcohol, and keep as cool and as still as you can as long as you cau."-Selected.

## VALUE OF SLEEP

Sleep is not always restful. The man who retires just after a hearty meal may at once fall into a heavy sleep, lasting ten hours, but the entire system is in a state of great activity. Digestion, assimilation, absorption, excretion are going on at a high pressure. The blood, instead of being withdrawn from the brain, is there in excess, so that the uncousciousness is practically been employed. The heart-stroke is quick and heavy, the breathing irregular and the extremities cold. The dreams are vivid, reflecting in their unpleasant character the general discomfort of the sleeper, who sighs, groans and mutters as he twists and tosses
from side to side. Every turn on the from side to side. Every turn on the bed means muscular work enough to
walk across a room. To toss about all night is equal to a day of hard manual work. Ten hours of this sleep is ten hours of work. There is a heavy loss of energy, and the sleeper awakens nerveless and exhausted.
It will be readily seen, then, that how much sleep a man requires depends largely upon how he sleeps. He who sleeps normally may be well and strong on six, five, perhaps even fewer hours of sleeps normally may bé well and strong ity of people will be apt to find even ity of people will be apt to find even question is, rather, how to sleep than how long to sleep-the art of sleep rather than the abolition of sleep.
There are people who never rest. Sitting or lying down, as well as walking or working, their muscles are active. On the other hand, there are some who can lie down, relax all the muscles, stop thinking, and rest in this way without sleeping for half or quarter of an hour. One may rest without sleep, just as one may sleep without res
Sleep is very largely a matter of selfcommand. "How far away are the enemy?" asked Napoleon. "They will reach us in twenty minutes," was the answer. "Then I'll, have twenty mincalmly and restfully. Dr. William Pepper, of Philadelphia, had the same power. So had Von Humboldt. These men had mastered the art of sleep.
Sleeping is an art-an art to be acquired, happily. To learn that art is to know again the refreshing, unbroken violation childhood, before repeated dered the beautiful body which God gave to each of us.-Health Culture.

## A PRAYER

BY HANNAH MORE
Blessed be the Lord for all His mercies; for giving me food to eat and raiment to put on, and for delivering me from many evils which my sins have justly deserved. I thank Thee especially, O Lord, for the gift of Jesus Christ, Thy Son. I confess before Thee my exceeding guilt, and I pray Thee, for Christ's sake, to pardon my offenses and to receive, my soul when I die. beseech Thee also, for His sake, to grant unto me the help of Thy Holy Spirit, that I may be enabled to follow my Savior's example, and to do what soever He hath commanded. May I be patient, humble, kind and merciful; en-
eavoring to do good unto all men, and forgiving those who trespass against me, even as I hope to be forgiven Grant me grace this day diligently to perform its duties, and to be true and just in all my dealings, doing unto others as I would that they should do unto ne; and help me, o Lord, to restrain my tongue, and to subdue my evil tem pers, and to live in temperance, sober ess and chastity. Save me from those sins which in times past have mos easily beset me; strengthen me, o Lord for all that awaits me; carry me and help me, day by day, to grow in grace, and in the knowledge of my humbly offer up in the name of Jesu Christ! Amen

## YOUR PART IN LIFE'S MOSAIC

The crowd was looking at the facade of a fine cathedral, from the upper portion of which the workmen had just removed the screen behind which they had been at work for years upon one of the most extensive and wonderfull ich and exquisite mosaics to be found upon or within any cathedral of the old World. Here was a picture with al he softness and the wonderful blend ing of color to be found in an oil painting, a picture covering hundreds fect, a most perfect specimen of art which the storms of a thousand years could not tarnish or wear away. It was made of millions of pieces of stone of different hues and shapes, and each carefully and most skilfully adjusted to those about it. A grand picture to stand there for ages, a combination of very trivial things. And each little stone, so carefully polished, so nicely fitted, so tastefully adjusted in color was a most important part of the whole; and so each little stone had in keeping the character of the picture. The Sunday-School Times.

## THE BOY WANTED IN BUSINESS

"What kind of a boy does a business man want?" was asked of a merchant.
He replied, "Well, I will tell you. In the first place he wants a boy who don't know much. Business men generally like to run their own business, and pre fer some one who will listen to their way rather than teach them a new kind. Second, a prompt boy, one who understands seven o'clock is not ten minutes past. Third, an industrious boy who is not afraid to put in extra work in case of need. Fourth, an honest boy -honest in service as well as matter in dollars and cents. And fifth, a goodnatured boy, who will keep his temper even if his employer does lose his now and then."-Augusta Chronicle.

## MEDICINE OR POISON?

he sorrows of life come to all, The sorrows of life come to all,
though they seem to come in very different measure; but the point for us to observe is how differently they affect the wise and the foolish. Some men murmur against God's dealings, and even against his just punishments; they resent his chastisements with an unsubmissive anger as mad as it is im potent. Others accept God's dealings with them, knowing that what he doeth is well. They accept them, it may be, with bowed head and weeping eyes, yet with the heart of a weaned child. To these the miseries which God sends come as a healing medicine to the other they come as a maddening draught.

## THE TRUE PATRIOT

He cares too much for his country to uphold her in any wrong.
He loves his country, but he loves still more the kingdom of God.
He does not reserve his patriotism until he has a chance to die for his country; he lives for her
He does not urge selecting the best
men for candidates, and then men for candidates, and then refuse to serve when called upon, though at a cost of time, money and inclination.
He does not vote for bad men, and
then plead that he did not know they were bad. He takes time to investigate the characters of candidates.--Selected.


COMMENCEMENT-TIME Saily's in the parlor. Listen, you can hear.
She's oratin' all ahout "Woman an" H She's oratin'
Sphere."
Henry's in the stable, talkin' to the hay Shoutin', "Rome was not, sirs, builded in day!'
Orer $\ln$ the medder nelghhor Spriggin's Nat Saws the air. aud hollers of affairs of state. Readin" from a paper on "The Trend of hought.

Ahraham McGinnis, down there in the brusb, scattcrin' the silence with his wordy rush, Pellin", "Feller citizens, can it be deuiedBeroud the Alps is It ly, just the other side? Sllas Braddock's Rufus, yonder on the hill, peechifyin" strong on "Workin' with a Will." William Wiggius stands there, on a stump,
All the air around with "How to Deal with Trusts. ${ }^{*}$

Some onc in the corn-field, kickin' up a fuss Bout a gladiator, name ó Spartscuss. Patrick Henry's simply knocked plumb off his feet.
emony! It's noiss here from dawn till latescholars gettin' reads for to graduate. romped the crops completely, scattered all Woods is full $0^{\prime}$, $\qquad$ -Baltimore American.

## AN ADAGE

There's an ancient adage under the sun"Two is company; three is none!" But I fling a scoff at the truth of it For comrades never went footing by Dearer than love, and jor, and I! Clinton Scollard, in Life

FIRMNESS AND OBSTINACY How ohstinate a woman is, These words may of sense Sex makes the difference

The woman who forgives easlly has a great deal of it to do.

## HER NEW BONNET

I've quit smoking until I have paid for my wife's Easter honnet," said Jones, sadly in the show-case. "Sereral weeks hefor
in Easter Mrs. Jones hegan hinting ahout ew bonnet, and I sat down on it from th tart, as, the way things are with me, lmply could not afford it. She shed tears nd made a scene, but 1 held my ground and ended in a counpromise, I agreeing to stand or the trimming over of one of her oid honnets.
Hell, a few days hefore Easter I chanced o pass a street-fakir who was selling toy natural as life. Thinking to have a iittle fun whth my wife, I bought one and took it home Just hefore retiring for the evening I wound was not looking, I placed it on the floor. When she discovered it she gave a shriek and Jumped upon a chalr. Uufortunately for me the chair that she jumped upon was one tha she had placed her retrimmed bontet on, day. She planted hoth feet squarely within t, and when her scare was over the bonne she was weeping over the wreck I secured the for mouse and hid it, not caring to have he know the part I had taken in the matter Well, the grief of my wife at the loss of the bonnet refused to rield to any of my consol ng remarks, until 1 promised that she inigh have the new bonnet she had set her heart on
ln the beginning. If it had ended right there wouldn't have cared so much, as I could only blanie uyself. But when I chanced to her mother, I simply wilted. It seems that my wife had found the tor mouse in that pocket, and suspecting the trick that I was up to, she had placed the old bonuet on a net that she wanted."-Detroit Free Press.

Church- 00 mucli light is had for the ses, you knows
Gotham-"Perhaps so; hut no man ever lost of eyesight froul looking on the hright side of things."-Yonkers Statesman.

## an absent-minded passenger

The roung wounan's mind was probably a way off in the land of cut-on-the-bias, and yokes, and flarings, and plaitings, and appliques, and ruffes, and things like that, whatever they may menn. Anyhow, when she got on an up-towu Ninth-street car the other afternoon she dreamils opened her pockethook when the conductor came around for her fare, stuck a gloved finger and thumb extracted a couple of foulard samples, and extracted a couple of foulard samples, and
wlth a far-a way expresslon still in her ejes handed them to the conductor. The conduchanded them to the conductor. The conduc-
tor was a middle-aged man. He smiled and waited for the young woman to come out of her trance. But she held the foulard samples out to him, with her eyes ou vacancy, until the conductor, still grinulng, had to fetch her hack to earth.
"Yes, thes're vers pretty, miss." he said, "and I'd like to get my wife a dress off that plece on top, but she s-
The joung lady hlushed like a red-hot stovelid, dug into another compartment of her pocketbook for a ticket, and she looked real embarrassed when the brutal male persons
across the aisle grinned.-Washlngton Post.

## A NEGRO'S ANSWER

An Amerlcan writer tells a good story of his college-dars. It relates to a negro gardener, a jolly fellow, with whom the boys used to floor them with his repartee.
One day in spring Sambo had been hurning the college green in order to get rid of the
old, withered grass. A freshman came along, old, withered grass. A freshman came along,
and, thinking to have some fun, shouted, "Say, there, Sambo, you ought not to hurn that stuff!"
"Why?" Inquired Sambo.
"Because," replled the freshman, "it'il make that grass as black as sou are, "Well, massa," retorted Sambo, "dat's all right. Yes, dat's all right. Never you fear; dat 'ere grass'll come up and be as green as sou are!"-London Answers.

NEW LIGHT ON HISTORY
Nero, ddle in hand, sat upon his throne, when a little band of captires was led hefore him.
"Now'," he roarcd, In royal tones, "you have your cholce between hearing me play*a study in cadenzas with the middle finger on the $\mathbf{E}$ string or being burned alive at the matinee
at the Colosseum." at the Colosseum,
"Bring on your
perate captives. torches!" shouted the des-
Later on Nero fiddled and burned things, and conducted hlmself in an outrageous man"I hate to do this," he explained, "but they depend on me for some warm scenes in "Quo Vadis.' "-Baltlmore American.

SHOPPING IN SCOTLAND
It has heen said that the Scottish dlalect is peculiarly powerful In its use of rowels, and
the followling dialogue between a shopman and a customer has been given as a specimen. The conversation relates to a plald banging at the shop door
Customer (inquiring the material)-"Oo? (Wool?)"
Shopman-"Ay, oo. (Yes, of wool.)"
Customer-"A"
Customer-"A' oo? (All wool?)"
Shopman-"Ay, a' oo. (Yes, all wooi.)" Shopman-"As, a' de oo. (Yes, ail same wool.)"-London Telegraph.

## A PATRIOTIC SCOTCHMAN

A Scotch settler in VIctoria was arrested for stealing a set of bagpipes from a mucame up for hearing the defense was ready and fluent.
"I'm no saying," said the Scot, "that I did na tak' the pipes, hut I hold that I was parfitly justivit in rescuin' the national eeinstrument o why ain kintra frae the hands o' a sellow-sklnned chow llke yon wha kames his wee pickle halr llke the tall of an auld coe. I'm willin' eneuch tae pay the fine, ye ken, but I'm dashed if I'll gie hach the pipes tae siccan a jaw dleefaced blrkie toe desecrate
ony malr." ony malr.'

HIS REASON

[^0]COLUMBUS AND THE EGG Columbus, baning promised to stand an eg on end, falled at the first trial, but
versed the egg and it halanced perfectly "Tell me, Cbris," said Fing Ferdinand, Why did yon turn the egg over?" not stand on its head.
It is sald that Columbus got the idea of dis covering Auerica from this incident. But,
of course, theories are not always what they re cracked up to he.-Baltimore American.

## SIMULATION UNNECESSARY

## "You think I had bet

sald the accused wau.
"I do," answered the adviser
"What's the hest way?"
"Well, you're no actor, of course. If I wer you Id get some war nlaps of South Africa and repeat the geographical uames over an hellere vorlll hare to pretend at all."-Cas heller
sell's.

## LIFTING THE MASK

Editor-"And
Literary aspirant-"Yes; it is all my own
Editor (recognizing the source of 1 t )- $\cdot$ Well then, Charles Lamb, I am very much please to meet you. I thought you died some fifty ears ago!"-Collier's Weekly.

## A CONTRADICTION

Do sou heliere every man has his prlce? "No, sir," answered Senator Sorghum; In awhile cou find a man so rich be doesn ${ }^{\circ}$ In awhile you find a man so rich be doesn

## HANNIBAL'S ORATORY

"Forward, my brave men!" shouted Han albal. "Berond the Alps lies Italy "Bah, you talk like a sweet girl graduate! growled a
eral's staff.
ral's staf
Later on Hannibal completed the resemuilt $\ln$ a dar - Battimere that Rome was not

## FULLY EXPLAINED

"Ye
Paris
"But I thought ron sald your Uncle Jim
"دy Uncle Jim is a Kansas City hotel keeper, and we are not going untll after the Democratic conrention."-Cleveland Plain Democr
Deaier.

## NEEDED ROOM

Mrs. Grumps (looking over new house) What in the world is that vast attic for? Mr. Grumps-"It's to hold the thlngs tha ou buy and can't use."'-New York Weekly

THE MQTORMAN'S MISCALCULATIONS

1.-Motorman-"Out of the way! Out of the

3.-"The next thue you run into any one Beston Herala.

## BARGAIN OFFERS

In Connection With the Farm and Fireside.

For 35 Cents We will se
year and

One Magnificent Picture.

When this offer is accepted no cash commis ed in a club)
For $40^{\circ}$ Cents year and yorm and Fireside one following preminms:
Gleason's Horse Book. Standard Amer
ican Cook Book. Pilgrim's Progress. mantha Among the Brethren Samantha at Saratoga. People's Atlas of the World.

## For 50 Cents

We will send the Farm and Fireside one following premiums
Career and Triumphs of Admiral Dewey
Photographlc Panorama of Our New Pos sessions. Life of Washington. Life o

## For 60 Cents

ye will send the Farm and Fireside one
year and your choice of any ONE of the ollowing premiums:
Silver-Dlated Chlld's Set. Silver-plated Companlon.
AO1 $5^{\hat{5}}$ cents
We will send the Farm and Fireside one
year and your choice of any ONE of the following premiums:
Any One of the 12 Silver Noveltles Offered
in Our Premium List. Razor Strod. Set in $0 u r$ Premium List. Razor Strop. Set
of 6 Sitver-plated Coffee-spoons. Set of 6 Silver-plated Teaspoons.
(Cpon the acceptance of any of the above offers,
except the first, the club-raiser may have either the regular cas,
count in a club)
For detailed information concerning the prenot have it, send for it Tre-DAY List. If is FREE,
All the above preminms are sent post-pie.
Gold
Pens Free.
Either one of these pens given FREE y FIVE yearly sub scriptions to the
Farm and Fireside. The
Pearl Pen

| sa pear. han |
| :---: |
|  |  |
|  |  |

The
Fountain-pen
is the same as those
sold in stores for
gold pen, hiack rub-
anteed to be a per-
fect writer. Pointed
when not in use.
Has a filler and
hox. Length $6 \ddagger$
send the
Farm and Fireside one year and either
ot inses
pens tor
or $\$ 1.00$
( When this offer is ac-
cented che clubraiser many cepted he chub-raiser mhar
have either the regult the
cash commission or the
cash commission or may
name may be counted in
Both pens guaranteed to
glve entire satlsfaction or we pay the postage

FARM AND FIRESIDE, Springfield, 0

$\frac{\square}{T}$HOUSEHOLD pound of sugar with one pint of cream in a double boiler, and when the sugar has dissolved stand aside to cool. Add one half pound of sugar to one quart of lemon, let stand one hour, then strain through a fine muslin. Add the sweetened cream to one pint of other cream, and freeze; when trozen stir in the fruit-juice, beat thoroughly, then remore the dasher and pack as usual, and let it stand in a cold place for two let it stand in
hours to ripen.

Japanese Mulberry-ice.-For each person fill a glass two thirds full of grated ice, and pour over it four tablespoonfuls of mulberry-juice; then scat ter over one tablespoonful of sugar
and serve at once. Virainia Reed. and serve at once. Virginia Reed.

## AN OLD SAMPLER

The fashion started lately in London for obtaining. old samplers and selling them at very high prices will doubtless reach this country. There is a curious one owned by a woman living in $M$-,
many hundred miles from the place in which it was worked. I was sum moned to the village to help care for a sick relative. There were no trained nurses there, but the doctor knew of a capable woman who had often nursed his patients. As we worked together Jane found out (in a partial manner at least) how much I was interested in curios and all old-time work. One afternoon when she went out for her airing she brought back from her sis ter's a sampler. It was in panel-shape, long and narrow, and was wrought upon linen such as sheets and under wear used to be made of, when the women spun and wove the cloth. It was almost as white as snow, whether from it having had many washings after it had been lettered or whether the linen was bleached before the cross-stitching was done no one knew. Many of the letters were much worn and some stitches broken, and parts of letters gone, so that all that could be seen of those was the shape on the cloth; an imprint really
I had no chance to look at it until late at night, and then by means of a pour narrow-wicked lamp. As Jane brought it to me she said, "I do hope you can read all that is on that linen; I have shown it a great many times, but no
one has been able to read it since I have owned it, which is not so very long."

The sampler began as samplers do, with the large letters, the capitals making perhaps two rows, then the small letters, after those the numerals; then it was evident that Mary Hill was ready to
sampler

## Mary Hill is my name, <br> And English is my nation; <br> Scitnate is my dwelling- Christ is my salvation.

Then came another set of letters,
oth large and small, after which the rhyme continued:

> "My name is Mary Hill, And so I intend it shali be Until I find a man I love, And then'it shall be altered by the powers above."

The alphabet made a border again for the words, then Mary Hill was wrought, with the date, 1792 .
it had been a long task to read it, with the interruptions to attend the sick person. About two o'clock in the
morning I wrapped up in a blanket and morning I wrapped up in a blanket and laid on a couch in a room just off the
sick-room. I had almost fallen asleep sick-room. I had almost fallen asleep,
when, on account of a hand on my forehead, I jumped to my feet, thinking there must have been a sudden change with the sick one. Jane, the nurse, said, "Do not be frightened; but I want to ask you whoever heard of spelling 'Situate' (I had read the sampler to her, 'Situate' (I had read the sampler to her,
and written out the words) with a ' $c$ '?" 1 tried to explain to her that Scituate is a town in Massachusetts, and that I did not know why it had that spelling; but so it was. I think she doubted my reading, and she may yet'be trying to
decipher the sampler. decipher the sampler.

Mary Joṣlyn Smith.

WHOLESOME SEPTEMBER DESSERTS
Peach Foam.-Pare and halve three ripe yellow peaches; simmer in simple syrup until, tender, but not soft, and drain. Cover half a boxful of gelatin soft add one pint of boiling water, and stir until it is dissolved, then add three fourths of a cuptul of sugar and the juice of one lemon, and strain into a deep bowl. When the jelly begins to form add the stiffly beaten whites of tivo eggs, and whip until the mass is foamy and light. Wet cups in cold water, place half a peach, cut side
downward, in each, fill with the jelly, and stand in a cold place for four hours or more. When ready to serve, turn out carefully into individual dishes, heap cream, stick a blanched peach-kernel in the center, and pour golden sauce around the base.
Golden Sauce,-Bring one and one half cupfuls of milk to scalding heat in a double boiler; beat the yolks of two eggs very light, add three tablespooncold milk and a pinch of salt; pour into the hot milk, stirring constantly until it thickens and is smooth, but do not boil. Serve very cold.
Snow Puíding with Chocolate Sauce.-Make a gelatin jelly as for
peach foam, flavoring with vanilla instead of lemon. Heap lightly in a glass serving-dish, leaving it rough in appearance, sift powdered sugar over, and pour chocolate around.
Chocolate Sauce.-Bring two cupfuls of milk to the scalding-point; put two ounces of chocolate over the fire with two tablespoonfuls of boiling water and four tablespoonfuls of sugar, hot milk. Beat thoroughly together the yot miks. Beat the yolks of four eggs, three tablespoonfuls of sugar and a pinch of salt, add one gill of cold milk, and gradually stir the mixture into the hot chocolate, and cook, stirring constantly, until it is a rich, smooth cream. Serve very cold.
Peaches with Vanilla.-Pare and halve four ripe yellow peaches; putthree drops of vanilla in the cavity of each, -set, cut side upward, in a glass dish, and set on ice. Slice the peachkernels, cover with one cupful of cold water, and simmer for twenty minutes; strain, add one half cupful of sugar, and boil briskly ten minutes; when cold pour over the fruit, and serve with sponge-cake or other delicat
cake. $\quad$ Katmerine B. Johnson.

## WITH WALNUTS

Gather walnuts when quite greenabout the middle of July; they should
be soft enough to prick each well be soft enough to prick each well
through with a. large needle. Cover them well with brine, allowing one and one half pints of salt to each gallon of water, and let stand two or three days, changing the brine every day. Then pour over them a brine made by dissolving the salt in boiling water (in the same proportion); it should be cooled before using; let stand three days, renew the brine once more, and let stand another three days. Put in cold water for half a day, then drain, pack in jars not quite full, and cover with vinegar prepared as follows: To with vinegar prepared as follows: To gallon of vinegar, and to each gallon of vinegar add one teacupful of sugar, vinegar add one teacupful of sugar,
three dozen each whole cloves and allspice, one and one half dozen peppercorns and one dozen blades of mace. Boil the vinegar and other ingredients for eight minutes, then pour it over drain off the vinegar, boil it again, and pour over the walnuts hot, as before. At the end of three days repeat the profit to eat, and will keep for years. Walnut Catchur.-Use green walnuts as directed for pickling. To large handful of salt and one quart of best cider vinegar. Put them in a stone jar and let stand for eight days, stirring thoroughly every day. Then drain the liquor from them, and boil it with one fourth of an ounce each of mace, nut meg, ginger, cloves, black pepper and minutes, bottle and seal tiohtly fifteen minutes, bottle, and seal tightly. Prick
the walnuts thoroughly with a large the walnuts thoroughly

## OUR COUNTRY'S BIRTHDAY

"The United States is the only country with a known birthday," announced a well-known statesman to a party of young people who were eagerly plannoting the coming celebration, and proceeded to interest in the subject he proceeded to offer a prize for the greatcerning the Fourth and its celebration cerning the Fourth and its celebration needless to state that the fund of inforination thus gleaned by the youngsters was worth quite as much as the prize
itself. Here are a few of the facts collected from the various lists:

Our famous declaration was signed July 4, 1776; acknowledged by France January 16, 1778; by Holland, April 19, 1782. Provisional articles of peace were signed by England September 3, 1782. By this declaration the name was United States of America.

There were fifty-six signers, from eleven colonies. The declaration was ordered by Congress to be engrossed on parchment, and was signed August 2,1776 , by all the delegates then pres-ent-fifty-four. Thomas McKean, of Delaware, affixed his signature in the following October, and Matthew Thornton, of New Hampshire, signed in November, making up the fifty-six.
To Virginia belongs the honor of making the first move toward this declaration. As a culmination of the growing sentiment of a necessity for a separate government, caused by repeated outrage, on May 15, 1776, she instructed her delegates to Congress to propose to that Congress a Declaration of Independence. So, accordingly, on June 7, 1776, Richard Henry Lee, of Virginia, first moved to Congress "that the United Colonies are, and ought to be, free and independent states." Then occurred a debate about it, which was only won by those in favor by the slight majority of seven to six. A committee was then appointed - 'Thomas Jefferson, John Adams, Benjamin Franklin, Roger Sherman and Robert R. Livingston-to prepare a formal declaration. The draft of this was prepared by Jefferson, and of this was prepared by Jefferson, a
reported to Congress June 28, 1776 .
Pennsylvania was one of the colonies whose delegates were instructed to oppose the declaration. On the second consideration of the measure-July
1st-Pennsylvania stood three to four 1st-Pen
Fourth of July celebrations have undergone a radical change from those of a century ago. The old-time method of celebrating this auspicious day was very different from the superabundant noise considered necessary by our lads and lasses to-day. One hundred years ago fire-crackers were practically unago fire-crackers were practically un-
known here. In the good old days of known here. In the good old days of powdered hair and knickerbockers independence day was chiefly celebrated
by patriotic speeches and dinners, the latter being the great feature of the day. The veterans of the Revolution paraded in some of the larger cities, amid the cheers of the populace.

Friday, July 4, 1777, was celebrated in Philadelphia, the first anniversary of our birthday, with much joy and festivity. The celebration began at one o'clock by a discharge of thirteen guns from each of the armed ships and galleys drawn up before the river-front. Then followed an elegant dinner, to which were invited the president and supreme executive council, speaker of the assembly of the state, general officers and colonels of the army, strangers of eminence and members of the several continental boards in town. A Hessian band, taken prisoners at Trenton the December previous, and a corps of British deserters greatly heightened the
festivities and filled up the intervals festivities and filled up the intervals
with feux de joie. with feux de joie.
New York's first independence day celebration was held July 4, 1795.
The ladies of the olden time were in nowise behind the men, but took a deep of the day. They convened in a grove, had a collation, and then marched in procession two by two, and concluded the day exercises around the liberty-
tree, erected near the church. To this tree, erected near the church. To this
tree was fastened a board, representing a divided serpent on the point of being devoured by a dragon, with the motto,
"Unite or die." P. W. Humphreys.

# Hail to the Chief-Honor Your Choice 


A genuine Ten-Color French Process Picture of either McKinley or Bryan, and the Farm and Fireside the remainder of the year, For 20 Cents

IIHESE PICTURES are reproduced from late photographs for which the candidates specially sat at the request of the publishers. The pictures are 14 by 21 inches in size, printed on heavy plate-paper in a form suitable for framing. They are in no sense cheap chromos, but examples of the very highest
 style of illuminated printing, and either of them will be an ornament to any library or drawing-room. The pictures are in the natural colors, and at a short distance give the effect of GENUINE OIL-PAINTINGS. We are furnishing them cheaply enough to be hung in a window, and yet they are good enough to be framed and preserved for time to come. The photographs from which the pictures are made having been taken for that purpose and approved by the respective candidates, are remarkably good likenesses of them as they appear at the present time. They are the most popular campaign art souvenirs. Every American, Republican or Democrat, should have in his home the picture of his party's chosen leader.

The pictures will be sent by mail, post-paid, securely wrapped on a tube, and are sure to carry in good condition. Send in your order to-day, as the demand for these pictures will be enormous.

We Will Send the Picture of Either McKinley or Bryan, and the Farm and Fireside the Remainder of the Year, for . . . .

## 20 Cents

ORDER THE McKINLEY PICTURE AS PREMIUM No. 639
ORDER THE BRYAN PICTURE AS PREMIUM No. 591

## GLEASON'S HORSE BOOK

PROF. GLEASON is renowned throughout America as the most expert and successful horse-trainer of the age. For breaking colts, conquering vicious horses and training horses he is a perfect wonder. His methods are simple and sensible, and can be put into use by any young man on the farm. To any one who has colts to break this book is worth many times the price we ask for it. This book is used by the United States cavalry as the one great authority on horse-training.

OVER 400 PAGES AND 130 ILLUSTRATIONS


A SYNOPSIS OF THE BOOK'S CONTENTS
History of the Horse; Educating the Horse: Teaching Horses Tricks; How to Buy; How to Feed, Water and Groom; Breeding and Raising Horses; Breaking and Taming Vicious Horses ; Methods of Detecting Unsoundness; The Teeth ; Horseshoeing; Diseases of the Horse. We Will Send This Book, and the Farm 25 Cents
and Fireside Six Month, for ... .a.n
nonehs subseriptions ma
yearly subscription)
-1 The Charming Romance

## BY CAPTAIN H. S. IRWIN



IIELENA is a strong story entwined about a thrilling life's romance. It promises to be one of the remarkable books of the day. The plot is well conceived and skilfully carried out, and the reader is led from chapter to chapter with growing interest till the culmination is reached at the very end of the book. The strange career of Captain Presley Brannan, his disappearance, the dual life, and the sensational disclosure under startling circumstances, is not fiction, but facts. The author has adhered to truth with all the art of a finished story-writer.

This is one of the most readable as well as most suggestive of recent novels. It is a story of American life, and most effectively illustrates the saying that truth is often stranger than fiction, for many of its most striking incidents and most interesting characters are drawn from real life.

The story had its counterpart in real incidents which occurred in Memphis, Corinth, Louisville and southern Ohio not many years ago. The characters combine to create scenes of Southern life that are true to experience. Made up of cordialty and despicable enmity, subserviency and chivalry, pathos and pleasantry, all in an ingenious manner:

The book contains 278 pages well printed on good paper and attractively bound.

It is published in the regular edition at $\$ 1.25$, but we have made up a special edition for the readers of the Farm and Fireside which we are able to offer at a great bargain.

THIS BOOK GIVEN FREE AS A PREMIUM FOR TWO YEARLY SUBSCRIPTIONS TO THE FARM AND FIRESIDE

We Will Send This Book, and the Farm
and Fireside One Year, for Only . ... 60 Cents When this offer is accepted the clubbraiser may hare either the remular cash commission or the name
$\qquad$
ORDER BY PREMIUM No. 23


## FARM SELECTIONS

the cultivated millets

THERE are several different agri-
cultural grasses of importance sold in the trade under the general name of millet, hen
fusion.
fusion.
Foxtail Millet.-To this group belong what is generally sold as "common millet," and also a number of other varieties, all belonging to the
species known to botanists as "Setaria species known to botanists as "Setaria
Italica," and which is considered by many to have been originally derived from the common weedy green foxtail (Setaria viridis). The seed is borne in
a compact, cylindrical, often more or a compact, cylindrical, often more or
less nodding cluster at the top of the stalk. The seed can be distinguished by the numerous minute transverse wrinkles. There are four groups of
varieties. 1. Common millet, which is more resistant to drought. 2. German millet, also called Golden millet and mengal grass, the commonest variety in the South; the latest of the foxtail milthe South; the and coarser in foliage. Some of the so-called Japanese millets belong here. 3. Golden Wonder millet, which under farorable conditions gives the largest yield of seed, but is susceptible to drought. 4. Hungarian millet, or grass, more commonly cultivated in
the Northwest. This has the disadvanthe Northwest. This has the disadvan-
tage of volunteering or persisting in the soil. The "New Siberian millet" is related to Hungarian grass, but may be a distinct variety. There are a numgroups mentioned.
Barv-Yard Millets. - These have been long grown in the Old World both for forage and food for man, but have only recently received much notice in this country. They received their name from the fact that they are derived
from the common and well-known from the common and well-known
barn-yard grass, a weed in cultivated barn-yard grass, a weed in cultivated
soil. They are characterized by having the flowers in branching clusters like the barn-yard grass (Panicum Crusgalli), and the seed smooth and about trice as long as the foxtail millets. ing a successful forage-grass in this ing a successful forage-grass an the Shama millet (Panicum colonum) and Sanwa millet (Panicum frumentaceum), sanwa minet (Panensively in India and both grown extensively in India and other parts of Asia for the seed, which
is used for food by the poorer classes. is used for food by the poorer classes.
They do not give promise of success in this country.
Broom-cora Milletr.-These are derived from Panicum milaceum. This species has been cultivated for centumon millet." It is not extensively grown in the United States, but is broom-corn millet and hog millet. The seeds are borne in loose, drooping clusters, the branches of the cluster being ong and slender, somewhat resembling the seed cluster of broom-corn, whence
the name. The seeds are from white to the name. The seeds are from white to
yellow and dark red, and like the preyellow and dark red, and like the pre-
ceding sorts are flat on one side and convex on the other, and resemble the barn-yard millet in size and absence of wrinkles.
Pearl Millet (Pennisetum spicatum, or Pennisetum typhoideum). - Extenshich is used for food, and occasionally in the southern United States, where it is used for fodder. Plants tall and stout, the seeds borne in a dense, cylincharacteristic of the foxtail millets. characteristic of the foxtail millets. --Certain varieties of sorghum or cane are very extensively grown in Africa
and Asia for the seed, which is used for food. They also go under the name of Chinese millet, black millet, African
millet, guinea-corn, etc. At present millet, guinea-corn, etc. At present
these varieties of sorghum are not grown in the United States on a comExperiment Station.

TURKEY TALK
In the morning Mrs. Chapman aning, and she wanted the yard made
tight. Aixtecn out of eighteen eggs
nade a fine sight, pure bronze. "Big
when they are first hatched $"$ " when they are first hatched," said a
neighbor's boy, admiringly. "Just put neighbor's boy, admiringly. "Just put,
her in; she will stay all right till noon," her in; she will stay all right till noon,"
I urged. "I am so busy; we want to I urged. "I am so busy; we want to
finish planting potatoes this forenoon." "You know the crows will pick every one the first day while they are weak, and the old, turkey will hide in the swamp if she gets out. Better not risk it," said the wise wife. But I said "Pshaw!" and hurried on. At noon, as I came out from dinuer. I saw a crow in a tree, a hen-turkey on the fence,
and several heifers trying to hit her but nothing else. I hurried and cleaned out the animals, but not a young turkey could I find. As I sat on the fence viewing the lonely mother-turkey, and dreading to break the news to my wife, I had a bad time of it. I am afraid, if there had been a ghost of a
chance, I would have laid the blame chance, I would have laid the blame on her; but there wasn't. I lost a good share of the afternoon just because I had so many more things that I ought to do, or else because of the mean, shiftless habit of putting off doing little short jobs till some more convenient time.
After the turkeys were gone I thought I would try to do better in the future, a sort of death-bed repentance, so I went at the fence. The old turkey ate dandelion-blossoms and dusted demurely, without showing a bit of feeling for me or the loss of her brood,
while I mourned. After while I mourned. After an hour she
seemed quite contented, and began moving off, so $I$ went down again and found twelve of the little ones with her, much to my surprise. Surely virtue was rewarded, even before the fence was finished. I put her in the yard. Toward night the boys went down and heard a peeping. By careful creeping they caught the other four skulkers, and the family was again united, but the scare took the flesh off me. I won't put off things like that again, if I have to neglect all the crops-C. E. Chap-
man, in Rural New-Yorker.

## the potato stalk weevil

The greatest enemy of the potatocopper solutions have aided us so since rially solutions hare aided us so mate rially in our fight with mildews änd molds, and Paris green has been sogreat a friend to us against the Colorado beetle, we should have little trouble but for the stalk-borer. It would not be too much to say that it has probably lessened the potato crop of America one half.
The misfortune is that its work is unknown to the average cultivator. He sees his potato-stalks wilt under the first warm sun, and rests satisfied with the thought that the "hot sun was too much for them." It was too much simply because the weevil has bored the stems hollow.
The beetle is closely related to the plum weevil, or curculio; but it has scarcely taken on the beetle form before it begins to lay eggs in the stem at the surface of the ground. The egg soon hatches, and the larva bores its way through the center of the stem. The egg-laying commences about the end of April in this latitute, and the ready to die about the middle of June. Some have thought that they preserve their potatoes by placing a small portion of Paris by placing a small porsoon as they appear above ground; but as the beetle at this point and in this stage simply inserts its ovipositor in the stem, it is not clear that good results can follow. If it were to feed on the leaves to any great extent, as the Colorado beetle and its larme do, it would certainly be useful.
The larrae, or pupae, live over winter in the dry stems; pulling up and burning these after they have fulfilled their mission of producing a crop of small potatoes
The misfortune is that the creatures pay attention to the jimson-weed and pay attention to the jimson-weed and; so that after the cultivator has kept his own land clear of the pests, he is the grounds of less careful neighbors. Meehan's Monthly.


JULY 15. 1900
BLCKEYE FERTILIZER HOE DRILL Fertiiizer Drill, as shown in theillus tration, is without doubt the niost perfect grain and fertilizer drill made. Has our Change of Speed Device and our Double-Run Force Feed, which sows wheat, corn, oats, peas, beans, beet-seed, cow-peas, etc., with uniforn1 accuracy ployment of glass in the construction ployment of glass in the construction of ate the corroding of the mechanism and doing away with the annoyance common ly found in other fertilizer drills. This is a patented feature and used exclusively on the BUCKETE. Sows all kinds of fertilizer venly and successfully. Send for complete drill
Address P. P. MAST.\& CO., No. 17 Canal Street, Springfield, Ohio, or Philadelphia, Pa.


AGENTS-HAVE YOU SEEN IT?




## OUR PHILIPPINE WONDERLAND

## With Large Folding Map in Colors, reveals a new world to American readers. Lavishly illus. trated with the finest of half-tones. As the Philippine question is the leading question this rea

 not hing could be more thimely. It is the most interesting and reliable work yet published on thePhilippine lands and Phllipline peoples. PRICE YERY LOW Sold through canvassing agents
exclisively Font exclusively. For terms, territory, specimen illustrations and full particnlars address
THE CROWELL \& KIRKPATRICK CO., 1529 Marquette Building, Chicago, in
(8) WANT A WATCH?

A CHARMING BOOK CONTAINING 400 POEMS AND PICTURES THE CREAM OF POETICAL LITERATURE


Notistion Than This Great Book
We Will Send Gems From the Poets, and the Farm and Fireside Six Months, for .



CHINESE LAND-TAXES AND CURIOUS CUSTOMS

## By William N. Brewster

$\sqrt{3}$He Chinese farmer is not find that not one of the customary two much of a politician. He thousand candidates for the much-
never votes, and few know coveted degree presented himself to be enough to want to have a voice in the choice of their rulers. Nevertheless this patient toiler has limits to his endurance, and he has his that ways of showing when One of the fixed political doctrines of the Chinese granger is that tares on land should be very light. The mandarin that seeks to combat this public sentiment is sure to come to
grief. Few have the temerity to try it, and never more than once. A "mau" is onc sixth of an acre. The anmual tax on good rice-land, worth from thirty to
fifty dollars a "mau," is only about twenty cents. On unirrigated land it is but half that. Probably in no other estate so light as in China.
Several years ago a governor-general of this (Fuhkien) province conceived the idea of adding to his revenue by increasing the real-estate tax in the
county of IIolichians. The people procounty of Hokchiang. The people pro-
tested, but without success. They passed around the word, and the whole population flatly refused to pay one cent, even at the old date. $\Lambda$ prominent literary-degrec man and landed propri-
etor was chosen to make a test case etor was chosen to make a tost case
in the courts. He appealed from one judge to another until he reached the governor-general himself. He was still unsuccesstul. He was preparing to
carry the case to Peking when this fact became known to the governor: who promptly had him arrested and thrown into prison. By a trick a confession
was extorted from him that he was the leader in the rebellion against paying. the taxes, and he was executed. But sons, who took up the case to arenge their father's death. The civil-service examiner came to hold the biennial ex-- army and police amination at the county-seat, only to provements are carried
on by the government, this ridiculously low rate of tax will have to of tax will have to
be increased. But John Chinaman will first have to will first have to be convinced that
he is going to get he is going to get
the benefit of this the benefit of this
increase himself, not the tax collec tors, or there will be a strike that will astonish the world. One hundred millions of farmers spontanetancously following the example of the county of Hokchiang, above described, would furnish a rebellion which no Chinese government
would be able to cope with.
But if land-tax is small it is collected with great
reoularity and per-
regularity and per petuity. For instance, in Hinghua is a tide-stream that winds its snaky courseacross the fertile plain to the sea. This sometimes changes its course. Fields are washed away and new ones filled up. There are hundreds of these fields that have been under water for years upon which the owners are still paying the taxes. It is of no avail for them to protest that their property has disappeared. They are on the tax-list, and they must pay or have their chattels levied upon for it.
But sometimes these submerged fields fill up again. I know of a case where the owners had been paying taxes for


pproach to Altari of Heaven
ten or fifteen years while they had nothing to cultivate. The water shifted, and the silt filled up the fields, but the owners did not dare to take possession and begin to cultivate them. Why? Because the literary oentry had secured from the officials the exclusive privileoge of cultivating all filled land presumably for endowment of their schools, but in reality to line their own poekets. The reason such injustice is enclured is reason such injustice is endured is because only a few persons are affected by it. The Chinese farmer does not trouble himself about the woes of his neighbors, unless they belong to his own clan. He thinks he has enough troubles of his own bear, and he is not far from right.
There is another curious enstom in this connection. It is very common for a man to be paying taxes upon land that perthaps his grandfather sold to a grambather sold to neighbor fifty year money, and he must dispose of a field to dispose of a field to
get it. If he sells it get it. If he sells it,
and the buyer becomes responsible for the taxes, he will get less cash down. So it is common to buy propeirty with the stipulation in the deed of transfer that the former owner is to continue to pay the taxcs. In that case no record of the sale is made at the yamen, or court, and the tax-list is difficult to imatin is difficult to imagine any such custom pre vaing in any country
except China. But we except China. But we
become accustomed to bccome accustomed to
[concluded on Page 6]

FARM AND FIRESIDE
The Crowell \& Kirkpatrick Co.

 the above-mentioned offices; ; ietters tor the Editor

TERMS OF SUBSCRIPTION
One Year
Six Months $\quad \begin{aligned} & \text { (21 Numbers) } \\ & \text { (12 Numbers) }\end{aligned} \quad \begin{aligned} & 50 \text { Cents } \\ & 30 \text { Cents }\end{aligned}$ Tbe above rates Include the payment of postage by
us. All sulbseriptions commence with the issue on us. All subscriptions comn
Dress when order is recelved. Subseribers reeelve thls paper twice a month, whtch
Is twice as ofteu as most otber tarm and fanily jourPayment, when sent hy mail, should be made in Ex.
 CoRED, send the mones in a registered liter. All
postmasers are required to regiser leters when.
ever ever requested to do so.
Siliver, wien sent througb the mall, should he care.
full wren wrap
wear Yuly wrapped in clotin or strong paper, so
wear a hoote through the envelop auid get lost.
Postage-stamps will be reeeived in payment for sub.
Boriptions in sums less than one dollar, if for every scriptions lis sumn less than oine dollar, if for every
25 ceuts in in stanps jou add one.cent stanp pextra, 25 ceuts in stanips sel
hecause we must sell postage-stamps at a loss.

 It means your time is out and is an invitation to you
When money is received, the date will be changed
within four weeks, whict will answer for a reeelpt. When renewing your subscription, do not fall to say,
it is a renewal. 1 I all our suluscribers will do tols,

 the paper is now coning in your wifie's name, sign her
name, , uss as it is on the ladel, to your letter of renewarl. Always name your post-ofice.

The Advertisers in This Paper We belleve that all the advertlsements in thls paper
are from rellable firns or busliness men, and do not

 mention this paper when answerlng advertisemeans,
as advertisers often have diferent thlngs advertised in several papers.

## 

THe policy of the United States in
regard to China is clearly defined regard to China is clearly defined
the following circular sent to our in the following circular sent to our
foreign representatives by Secretary foreig
Hay: Hay
"In this critical condition of affairs
in China it is deemed appropriate to in China it. is deemed appropriate to define the policy of the United States as far as present circumstances permit policy initiated by us in 1857, of peace with the Chinese nation and the furwherance of the law of commerce and therance of the law of commerce and protection of lives and property of our
citizens by all means guaranteed under extraterritorial treaty right and der extraterritorial treaty right and
by the law of nations. If wrong be done to our citizens we propose to hold the responsible authors to the uttermost accountability. We regard the
condition at Peking as one of virtual condition at Peking as one of virtual
anarchy, whereby power and responsibility is practically derolved upon the local provincial authorities. So long as they are not in overt collusion with the rebellion, and use their power to protect foreign life and property, we re-
gard them as representing the Chinese people with whom wre seek to remain in peace and friendship.
"The purpose of the President is, as has been heretofore, to act with the other powers.
"First, in opening up communication with Peking and rescuing the American officials, missionaries and others who are in danger:
"Second, in affording all possible protection everywhere in China to Amer ican life and property
"Third, in guarding and protecting all legitimate American interests: and "Fourth, in aiding to prevent a spread of the disorders to the other provinces
of the empire and recurrence of such of the empire and recurrence of such
disasters. It is, of course, too early to forecast the means of attaining this last result, but the policy of the gov-
ernment of the U'nited States is to seek a solution which may bring about permanent safety and peace to China,
preserve Chinese territorial and adl-
guaranteed to friendly powers treaty and international law, and safeguard to the world the principle of equal and impartial trade with all part of the Chinese empire.

I A recent address Assistant Secretary Vanderlip set forth some figures of We have frade as follows
marvelous juear in the foreiglose a marvelous year in the toreign trade we rejoiced exceedingly a year ago,
when the value of our exports reached when the value of our exports reached
$\$ 1,227,000,000$. In the year which has $\$ 1,227,000,000$. In the year which has
just closed we hare made a new mark, for the exports for the fiscal year, 1900, stand at $\$ 1,400,000,000$. That is $\$ 173,000,000$ gain over last year, $\$ 160$, 000,000 greater than in the banner year,
1898 , and $\$ 330,000,000$ more than in $189 \%$. It is $\$ 517,000,000$ more than in 1396 .
"The gain of 1900 orer 1899 amounts substantially to $\$ 500,000$ for each day This means there has been distributed daly in some form or other among the the prosperoule $\$ 00,000$ more than in the prospcrous year 1899, and. that labor, being the greater element in the cost of production, has received in "Ines the greater part of the increase
"In the increases all industries have participated. As an example, take transportation for last October. In
that month 33,000 cars were ordered that month 33,000 cars were ordered from car-building companies, 350 locomotives and over 500,000 tons of steel rails. To meet all these large orders all the energies of production, ranging from the first handling of raw material in the mines and forests, through all the processes of manufacture to the finished product, have been employed, finished product, hare been employed,
and thus there has come about a disand thus there has come about, a dis-
tribution of the millions gained, which tribution of the millions gained, which
may now be found represented either may now be found represented either
in things adding greater comforts to in things adding greater comforts to
homes or by deposits in the savings homes or by deposits

I
a recent, speecli Senator Frye set "Our wheat crop in 1898 was larger than that of any other nation-twenty three per cent of the world's crop.

Our corn crop for the same year was ten times larger thau that of any other nation-seventy-three per cent of the
world's crop.
"Our export
Our export of provisions was three times g
nation.
"Our cotton crop was five times greater than that of any other nation-serenty-five per cent of the world's production.
"Our coal production last year ex-
ceeded that of any other nation-thirty-one per cent of the word's production

Our pig-iron production last year thirty-three per cent of the nationproduction.
"Our copper production was more than one half of that of the whole "Our
Our railroads were six times the length of those of any other nation. "The United States will enter the nerv in all the the leading world's produce in all the factors whic

I
Rein's "Problems of Expansion" is this forcible passage:
"In the light of such expositions of our constitutional power and our unideal patiently with the remainin deal patiently with the remaining tory purporting to be based on constitutional grounds. One is that to govern the Philippines without their consent or against the opposition of Aguinaldo is to violate the principle-only formulated, to be sure, in the Declaration
of Independence, but, as they say, underlying the whole Constitution-that government derives its just powers
from the consent of the governed. In the Sulu group piracy prevailed for centuries. How could a government that put it down rest on the consent of Sulu? Would it be without just powers because the pirates did not vote in its favor? In other parts of the
archipelago what has been stigmatized a government which stopped that be without just powers till the slareholders had conferred them at a popular election? In another part headhunting is, at certain seasons of the year, a recognized tribal custom. Would a government which interfered with that practice be open to denunciation as a usurpation, without just powers, and flagrantly violating the Constitution of the United States, unless it waited at the polls for the consent of the head-hunters? The truth is all in the head whent telligent menc how Amesica, except obrious demagogues, where a good government does not and ought not to rest on the consent of the governed. If men will not govern themselves with respect for civilization and its agencies, then when they get in the way they must be governed-always have been. Whenever the world was not retrograding, and always will be. The notion that such government is a reStates of slavery, and that the United in behalf of civilization would therefore become infamous, though put forward with apparent gravity in some eminently respectable quarters, is too fantastic for serious consideration."

Commenting on our business in China the New York "Sun" says
It is a curious circumstance that while this country, perhaps more sincerely than any other, desires the preservation of China's integrity as an cmpire, the present great disorders have occurred in the rery regions where our trade interests are largest. One half the foreign goods sold in New-
chwang are sent from the United chwang are sent from the United
States, and the dispatches say that this port has been sacked and burned. The custom-house jetty at Chetoo is always piled high with American products, whose sales in Chefoo, over $\$ 2,000,000$ a year, exceed the entire value of our exports to some thirty countries. But the British have been resisted and white men killed in Chefoo: Tien-Tsin, in a state of siege and temporarily cut off from all business relations, is one of the three largest inlets for the cotton cloths and kerosene that form the bulk of our export trade with China. In a word, our trade is chiefly with northeast China, where the revolt originated and to which it is still confined.
"Our exports to the three large ports most seriously atfected by the revolt amounted to over $\$ 8,000,000$ in 1897 , or eight ninths of our total sales in China. It is quite certain that they took at least five sixths of our exports last year, amounting to over $\$ 12,000,000$. This is a mere bagatelle in our trade statistics, and even our cotton manufacturers who sell so much at home and comparatively so little abroad are not at all dismayed; but both our business interests and political policy require the speedy restoration of good order, the preservation of the empire and the safeguarding of the open door of trade in the vast country where our trade has recently been growing by leaps and

I
American Review" for July on "China and the United States" Minister Wu Ting-Fang says:
"China has her teeming millions to clothe and feed. Many of the supplies come from outside. The share furnished by the United States was considerably larger last year than ever before, and might be greatly increased. According to the statistics furnished by the United States government, China in 1899 took American goods to the value of $\$ 14,437,422$, of which amount $\$ 9,844,565$ was paid for cotton goods. All of the curopean countries combined bought only $\$ 1,484,3.3$ worth of American cotfon manutactures during the same period. The amount of similar purchases wase by the Central American states was $\$ 737,259$, by all the South American countries, $\$ 2,713,967$. It thus appears that China is the largest buyer of American cotton goods. British America comes next in the list, with purchases amounting to $\$ 2,759,164$. Cotton cloth has a wide range of uses in all parts of
impossible for the supply to equal the demand.
"Up to the year 1898 cotton goods and kerosene were the only articles imported from the United States in large ellough quantities to have a value o statistics published by the United that government for the year 189 have manufactures of iron and stee due to the fact that China has now begun in real earnest the work of build ing railroads. The demand for con struction materials is great. The value of locomotives.imported last year from the United States was $\$ 732,212$.

Besides the articles mentioned, there which do others of returns as such. These find their way into China through adjacent countries especially Hong-Kong. At least three fourths of the imports of Hong-Kong, notably wheat, flour and canned goods, are destined for consumption in the Chinese mainland.
"Such is the condition of trade be tween the United States and China.
That trade can be greatly extended That trade can be greatly extended. mills and workshops once catch the Chinese fancy and America need look no farther for a market. The presen popularity of American kerosene illustrates the readiness of the Chinese to accept any article that fills a long-felt want. They have recognized in ker much superip and good iluminant it has consequetly tound its an distant and outlying parts of the em pire, where the rery name of Americ is unknown.
"The Chinese empire embraces a conHouous territory which stretches ore sixty degrees of longitude and thirtyendowed this latitude. Nature with every variety of soil and climate, but has, however, scattered her bounties over it with an uneven hand. That por tion which comprises the eirhteen prov inces of China proper, extending from the Great Wall to the China sea, and from the Thibetan plateau to the Pa cific ocean, is more highly favored than the rest. Whenerer China is mentioned it is generally this particular portion of the empire that is meant. On this land hundreds of generations of men have lived and died without exhausting its richness and fertility. There remains for generations to come untold wealth of nature lying hidden within the bowels of the earth. The mines of Iunnan, though they have for centu ries supplied the government mints with copper for the coining of those pieces of money commonly known as modern methods of extraction to yield modern the famous Calumet and Hecla mines The sand of the renge, washed down from the of the langse, Washed down from the highlands of much gold that that part of its course as it enters the province of Szechuen is called the River of Golden Sand. Much more important than these, howerer,
are the deposits of coal which underlie are the deposits of coal which underlie the surface format of coal are found from the softest lignite to the hardest anthracite, and in such quantities that according to the careful estimate of Baron Richtofen, the famous German traveler and geologist, the province of Shansi alone can supply the whole world at the present rate of consumption for three thousand years. In most cases beds of iron-ore lie in close proximity to those of coal, and can be easily ural resources of China, both in variety and quantity, are so great that she stands second to no other nation in potential wealth. To reduce this potentiality to actuality is for her the most important question of the hour. For this purpose she has an almost unlimited supply of labor at her command. Before China can be really on the highroad to prosperity
it must find means of full every economic adrantage that it has Modern methods are its greatest need. Here is America's opportunity


Silage and Silos From the Wisconsinagstation comes a bulletin (No. 83) on silage and the construction of modern silos. It has bren for many years a not in a position to make use of silage for my stock. If somebody could give me the asmaner hrat ine fo con pied by me for not less than half a dozen years more (and it is not likely that this will happen, as the rapid building up of the vicinity will demand at these broad acres for other industrial purposes) I would surely con-
struct a silo at once, althonoh I keep structer silo at once, alflough
only three horses and as many
am fully convinced that the stockiranser Who depends on properly made silage over the one who feeds dry stuftis, and will have nothing to fear from the competition of the latter. Good milk and way than by feeding well-made-silage way than by feeding well-made-silage
with bran or oil-meal. For some years I have been wondering how small a successful sito might be mate. The Wiscousin station says they have demonstrated the past scason that if green
corn is put into a ressel having strictly corn is put into a vessel having strictly
air-tight walls, and at the same time is air-tight walls, and at the same time is
so thoroughly packed as to largely expel the entangled air, good silage may be made in rer'y small quantitics. "We
have used galvanized iron cylinders as small as eighteen inches in diamete and forty-two inches deep, filling them with corn cut in halt-ineh lengths and simply covering them with two thicknesses of acid and water proof paper, and yet after one hundred and serentyeight days standing in our conse there was only nine inches of spoiled silage on'top. All of the balance was of excellent quality. In another silo only one foot in diameter and ten feet deep results were secured." The following is a comparison of cost of difierently buirt slos of thirteeu-feet tiameter thirty-feet depth

|  | $\begin{array}{\|l\|l\|} \hline \text { WITHOU' } \\ \text { ROOF } \end{array}$ | $\begin{aligned} & \text { WITH } \\ & \text { ROOF } \end{aligned}$ |
| :---: | :---: | :---: |
| Stone silo........................ i... | \%151 | ¢ 175 |
|  | 243 |  |
| Brick limed, ${ }_{2}^{4}$ inches thiok... | ${ }_{131}^{143}$ | 230 193 |
| Lathed and plastered......... | 133 | 183 |
| Wood silo with galvanized iroll $\qquad$ | 168 | 222 |
| Wood silo with paper...... | 128 | 183 |
| Stave sho | 127 101 | $1+1$ 120 |

## These figmres will do for comparison.

 The bulletin says that it will be seenfrom this table that when stave silos are buit of good durable lumber they are but little cheaper than the very much more substantial and much better wood and lathed and plastered silos. And that if one wishes to build a cheap idly and presewe the silage in good condition it is possible to do this for condition it is possible to do this for
less money than the stare silo will cost. Silage, it seems to me, is the chief feeding material of the future. Even we small stock owners and raisers will we small stock o
have to adopt it.

## Politics a Matter

it does me good When I see our
friend Fred Grundy go for the local political boss as he does occasionally. My experience in
this line is somerwhat like his. I am a politician to some extent uuyself; but. I accept no ready-made creed from any kind of pope, be it church pope, an agricultural pope, or a political pope. own chath although I do mot mean to claim that they are ahways correct ones, for nothody is infallible. But 1 take no dircctions irom any political boss, no cut-and-dried platform of prinnomination from any machine-made go into the election-bootli on electionday 1 am alone with my ballot, my pencil aud my conscience; and my' con-
science directs the pencil. For that
flesh of the political boss, and have been the object of varions attempts political assassination. It is true I politicians and their henchmen, and no regrets about it, either. I go my way, following my own notions of what is right and proper; am never afraid to speak ont and show my true color; and it pleases me to see that the majority of my (ownspeople uphold me and my course. I have the ntmost confidence in the integrity and the inner goodness
of the great mass of people, especially of the great mass of people, especially
in a farming commmity, and feel sure in a farming commmity, and feel sure
that they will support the man who is trying to do right according to his best knowledge and belief, when they understant the issue.

On the other hand, I have sometimes rondered that the professional politicians and bosses are able to control so many votes, by fair means or by foul. For a fow weeks before election they are spending most of their time in the saloons, treating right and left, and making friends with the men who frequent these places. They cannot catch all, but they catch some, and there are people who will sell their vote for a glass of beer. Once, when canvassing the town in the interest of a friend who wanted to be supervisor, a newly naturalized German stated to me that the other candidate had helped him to get his pajers, and treated him to a glass of beer, too; so he had to vote for him. That was a cheap rote; but many are bought that way and as cheap. A great many more, however, 'and often wellmeaning and decent sort of people, are meaning and decent sort of people, are ving nominees on the plea of friendship, or for acquaintance's sake. I recollect one instance. One party had put up for village president a prominent realestate owner of business ability and integrity, safe, honest beyond doubt, well-meaning, temperate; in short, one of the most respectable and respected men of the community. The other party put up a young fellow without any qualification for the office, an
obedient tool of the party bosses, and about whose eligibility there were grave doubts. By working the saloons and the acquaintance and friendship dodges the bosses succeeded in electing their man. It seems to me that when many of those who had been induced to vote for the bosses' tool came to
their sober senses, or gave the matter calm consideration later on, they must surely have felt a little ashamed for having sold their birthright for less
than a mess of pottage. Politics, and by that most people mean voting, is not a matter of acquaintanceship, even friendship, but a matter of business and conscience. By all that is great and good don't vote simply to oblige people whom you cannot respect; and it is not often that you find a practical politician and political boss whom you can respect. Many of them, and among them are people who have been in the legislature or hareoccupied other great offices, are not the people with whom a without losing his self-respect.

## Pollination of Grapes

 The Brighton, a red hoicest in a lot of nearly one hundred rarieties. It never yet has failed to give large, well-filled bunches, and a quality of berry that is simply delicious. Some people who have planted a few Brightons, either alone or perhaps with another choice variety, report entire or partial failure, the bunches wsually bemg imperfect or entirely this variety, and a good many others this variety, and a grood many othersbesides, is self-stcrile, and will give no fruit unless suitable pollen is provided from some good pollenizer near by Fortunately some of our most popular sorts which one is most likely to find
in a collection, such as Concord, Delin a collection, such as Concord, Del-
aware, Niagara, Lady, Mills, Agawam,

Catawba, Duchess, Poughkeepsie, Jefferson, Pocklington, etc., are strongly self-fertile, and will furnish an abundance of suitable pollen for other sorts,
too. Before me I have a bulletin (No too. Before me I have a bulletin (No York popular edition) York agricultural experiment station
giving a list of self-sterile and self-fertile varieties. It can be had by address ing a request for a copy to the director of the station, at Geneva, New York,
Among self-sterile and inperfectly selfAmong self-sterile and imperfectly self-
sterile varicties this bulletin names the following: Woodruff, Adirondack, Am ber Queen, Dracut Amber, Green Golden, Lindley, Northern Muscadine Vergennes. Wilder, Wyoming, Brighton, Eldorado, Massasoit, etc. The moral of the story is, "Don't plant any of the last list by themselves." Make mixed planting the rule; and it is a good rule not only with grapes, but with a great many other fruits as well, even with apples, pears, plums, peaches, cherries, T. Greiner.

## SALIENT FARM NOTES

Apple-scab -In all the years I have seen apples so scabby as they now are, and I sprayed thoroughly with Bor deaux mixture last spring and felt rea-
sonably sure that the fruit would not be injured by any fungous diseases. Hy faith in Bordeaux mixture as a rem edy for apple-scab has weakened very much-in fact, it never was very strong phate solufter I shall use copper sut solution is applied before the leaves appear, and that is the time to fight fungous diseases. I am satisfied that apple-scab attacks the leaves of the then spraying is of little value We must destroy the fungi before it attacks the leaves. After it once becomes fastened into the leaves it camot be destroyed by anything that will not lestroy them. From the leaves it goe to the fruit, and the crop is badly in jured or entirely ruined. When I look at the scabby leaves and knotty fruit on my trees, and think of all the pain went to in mixing and applying the o-called fungicide, I feel something like the fellow did who locked his stable after his horse was stolen. Next year I shall spray thoroughly with sulphate of copper just before the leave appear, and then let the trees alone shall spray with if we have rain soon after the first spraying.

In addition to the apple Pear-blight troubles blight has falle upon the pear-trees and almost ruined some of-them. One fine little summer pear that 1 like especially well looks as though fire had swept through it It is eleven years old, and this is the first season that blight has touched it The Howell is also blighted for the firs time. The Kieffer is slightly affected with twig-blight, but not enough to hurt it. Altogether this seeus to be, as a native put it, "a turrible onhealthy year for fruit-trees!" Along a little year for fruit-trees!" Along a hittle other leaf and twig destroying pests other leaf and twig destroying pests that will need prompt attention. Then
the presidential campaign, with its distracting oratory, blaring bands, kerdistracting oratory, blaring bands, ker-
osene-torches, fireworks, howling paraders, pros and cons and neglect of business! We'll have our hands full.

But for my little tin atomizer, or prayer, and a good supply of kerosene I would have a time milling. It is astonishing how quickly a few whiffs of kerosene along the sides and among the legs of a cow will send every fly to the floor or hunting for an opening to get out of the stable. At first the cow does not like to have the kerosene mist sweep over her, but she soon gets used to it, and when the stable door is opened she will make a wild dash for it, to get rid of her tormenters. The kerosenc comes out of the sprayer, much like sholoke, and but rery little is required to clear the flies ouf of a small stable. Sometimes flies will gather on the rvalls inside the stable by the thousands, apparently waiting for the anmanals to come in. A few squirts along the walls with the sprayer will kill or
drive them out in a hurry. Every one
who keeps horses or cows should have one or more of these uscful little tools in the stables.

Moles $A$ gardener in Ohio wants to moles. He says there are one to a dozen ridges, or rmms, on every rod of his land, and his crops are very much damaged by these little animals. Some people seem to think that moles do no think rather strongly otherwise. Last year they destroyed a fine bed of strawber.v-patch I sharpened some pieces of wire, drove them through small holes in a piece of inch board a foot long, nailed that across the end of a piece of fence-board four feet long, forming a T. I then made a figure-4 trigger, which every boy knows how to make, bored a hole through the lower
end of the ' T , and I was ready for business. The trap was set with the upper part of the ' $T$ lengthwise of the run, with the long end of the trigger resting on the rum, which was pressed down at that spot; a small stake was thrust thoongh the hole in the lower end of $T$, to hold it steady, and when the mole came along and raised the trigger, down went the trap, and one or more of the wire spikes pierced his carcass. The spikes were six inches long, and the trap was weighted with two bricks. It of moles with that thing. of moles with that thing

Home Picnics
I notice that it is becommers to have little ice-creale" for farand teas occasionally on their laves and in their own little groves. Twenty to fifty neighbors are invited some afternoon or evening, and a good time is had. I'eople used to think it. was is had. People used to think it was absolutely necessary to go to the woods
among the mosquitoes, ticks and briers to have a picnic, but they are becoming more enlightened. On the home place they have every convenience for making they have every convenience for making tables and seats with very little work; hare an abundance of good drinkingwater, which is often hard to get in the woods, and if anything lot is needed the stove is close by. One old farmer I know, who is tery fond of these little outings, said, "It took me forty years to learn that the best place in the world to have a real good little picnic is at home or at a neighbor's. Here's everything we need for a good time right at hand, plenty of shelter in case of rain, lots of fresh air, lots of room, and no howling fakirs, gambling room, and no howling fakirs, gambing
traps or undesirable trash. We have speaking, singing, music and fun, and go home feeling good instead of worn go home feeling good instead of worn
out. We farmers don't have to go to out. We farmers don't have to go to
a 'commercial' picuic to have a good a 'commercial' picnic to have a good
time if we have sense enough to know

Post checks One thing needed very ly those living far from large towns, is some cheap and easy means of sending small sums of money by mail. We need this badly. When one desires to order a few seeds, plants or small articles of merchandise through the mails he must either send the amount in stamps or cess in procurdo on expensive proidea that we must in this day and age of improved postal facilities, pay seven cents besides the postage to send a small sum of money through the malls seems preposterous. I understand that there is now a bill before Congress, which, if it becomes a law, will entirely obviate this trouble. This bill prorides that postmasters shall issue what are known as post checks to all who apply
for them. The amount is for them. The amount is handed to
the postmaster, the check issued, and the postmaster, the check issued, and
all one has to do is to write the name all one lias to do is to write the name
of the person to whom it is to be paid of the person to whom it is to be paid on it and forward, it with his order. bein is the measure we need, but it is being opposed by those who are making systey ont of the present cumbersome system. Speak to your congressional
candate about this. Ile is looking for

The Gormen Color on a Jersey*s lide is a "skin-decp" color which grees on in-
side.-Rural New-Yorker.

P

## OUR FARM

FARM THEORY AND PRACTICE

## owing Down Green Stuff.-For

 years it has seemed to me that there was not full appreciation of the value of decayed organicial in the soil. Humus-forming material in the soil. Humus-forming matter is almost the life of the soil,
furnishing arailable plant-food and holding moisture. For this reason it has been urged that ground otherwise bare in the winter should be growing rye to be turned under in the spring for corn or potatoes, if a better cover crop for winter, like crimson clover,
was not sure. But complaint comes casionally that the rye sod does bad y, giving a stunted growth of corn. Inestigation shows usually that the rye vestigation shat in bsuan the under, and again should the fact be em phasized that such late plowing is dangerous. The rye that is not turned under until it is in head does just what it should not do, and leaves undone what it should do. It pumps the water out of the ground, and then in its woody state it lies in the bottom of the furrow, to dry out the surface soil yet more. In a wet summer good results have been gotten from such late plowThe safe thing to do is to get a strong fall growth, and then in the spring turn the sod under when the growth is bout a foot high. At this time there is a mass of roots, the top rots quickly, the ground has not been dried out by he growing crop, and the rotted ma erial helps to hold moisture, not send ing it off as does woody straw in the
furrow. "Waiting to get all there is in furrow. "Waiting to get all there is in it" is poor policy in the case of a green growth intended for plowing under. Disappointment comes from lack of moisture, due to letting the growth staud too late in the spring.

Rye Hay.-Some farmers speak well of rye hay. I confess that it has so little value to me that I would not cure it for it if ground for fodder corn were available. The stalks are tall, thick and woody, and the, horses will not eat it until hunger forces them to it. Rye does for soiling early in the season, but the hay is inferior to any other material that is dignified by the name of hay. The exception to this name of hay. The exception to this rule may be in the case of very thick
seeding, where crowding keeps the seeding, where crowding keeps the talks small. One stockman says that he uses rye hay freely, and inquiry brought out the fact that he grazes the rye heavily for a month in the spring, keeping the growth to the ground, and then the rye makes a thick growth that gives a fairly fine hay, and it is not. unpalatable if cut early. Such a plan may work, but hay made from our unpastured rye, seeded at the rate of six or seven pecks to the acre, is not to be considered so long as other hay or corn stover can be gotten.

Curing Clover Hay.-Public attention was called last spring to a way of
making clover hay in showery weather, making clover hay in showery weather, menting with it this season. Some report good results, and I can dd the same. The theory is that the clover should be put into small shocks before it cures perceptibly, and that it then lies so closely and heats so much that if the weather be showery for two or three days after the clover has been three days after the clover has been
shocked. The shocks should be small t the base, with straight sides and flat at the base, with straight sides and flat
top. That causes a regular, and not top. That causes a regular, and
undue, heat throughout the mass.
So often the weather is threatening at the time clover should be cut. If one waits for fair weather the clover becomes too ripe, and very often more
rain comes before all the hay is ready rain comes before all the hay is ready
for the mow. The showery or threatfor the mow. The showery or threatening weather is the time to push the cutting and shocking, making sure that none of the clover is exposed
or sun until it is more than fairly wilted and limp: The rake follows within two hours of the mower. In case a rain catches some fresh-cut clover no
harm is clone if it is shocked as soon as the most of the water has evapora-
than three feet through and about that high. In this green state they stand the rain all right. The heating throws off the moisture, and in the good of rainy weather the clover shocks cure of rainy weather the clorer shocks cure
out nicely. They are inverted and loosened up an hour or so before being loosened up an hour or so before being
drawn in, and a better article of hay drawn in, and a better article of hay
is secured in a rainy season than is is secured in a rainy season than is
often gotten in good weather when often gotten in good weather when
cured in the swath. The leaves and cured in the swath. The leaves and
heads are saved in a nearly perfect manner.

Working Wheat Ground.-A farmer reports that he worked his wheat ground too much last season, with the result that his crop is not nearly so good as that of his neighbor who did less work. He used the disk-harrow thoroughly soon before seeding, and it was the time of the working and not the tillage itself that was wrong. When ground is broken for wheat the breaking should be early, and the deep tillage should be given several weeks before time of seeding.

Of course, a good yield may be obtained from late plowing, and equally, of course, a late disking of the ground may do no damage; but this is when of moisture is wet and there is no lack moisture during the fall. The safe shipped. The outlook was certainly


Branch of the Rathbun blacikberry
thing is to look after the supply of moisture. Give the deep tillage early in the season; and let after-tillage be on the surface, fining the top while the bed should be made firm before the seed goes into the ground. The diskharrow stirs and airs the ground, and that is needed to free the fertility; but that the ground cannot be made firm. I like to have the soil so compact that a horse's foot does not sink into it more than an inch when the drilling is more than an inch when the driling is
being done. Have the seed-bed first being done. Have the seed-bed first
fine, then firm, and do not disturb the moisture that rises in such soil, except by the use of surface-harrows that keep the surface soil well stirred.

## * * *

Wheat-stratw.-The crop of timothyhay is light, and prices promise to be good. Liverymen have learned the but the farmer of the central and western states learns this slowly. It can be baled at an actual expense of about one dollar a ton, and then the
storage is easy. It often would pay to as hay, and give no other roughness to idle horses and colts. They will eat the chaff, blades and smaller straws readily when it has been saved properly and the refuse makes good bedding.

## SOME FRUIT NOTES

The strawberry season just ended has demonstrated anew the fact that only by growing first-class varieties, ssorting them so as to market in the cities at least only the highest grade, and see that they are well and attractively packed, can we hope for profit in sections close to the larger markets. Just as our home crop was coming on and ready for market very fair berries grown farther south could be bought, at retail, six boxes for a quarter of a dollar. It was evident, therefore, that home crops could not be expected to bring profitable prices unless extraor dinary care was taken in marketing them. I have a good trade in fancy fruit, but it is limited to a near-by narket, the prices received being high argely because of the care taken in largely because of the care taken in making the package unusually attracout to plan that could ne carried
whe Rathbun blackberry has become wonderfully popular throughout the counts for if my experience with it best, if not the best, it is one of the ductions for light, sandy soil. Some of my correspondents in the far North write me-that the rariety has proven entirely hardy with them, coming through the severe winter of 1898-99 in good shape. With me its strong points are its high quality and uniform size throughout the season, characteristics fully appreciated by any grower who has to cater to a critical market. The illustration, from a section of a branch just before the last picking for the season, shows this uniformity of size as well as the fact that it is a great bearer. I tried a plan with crimson clover among my blackberries after fruiting last season which promised well. The soil was somerrhat deficient in nitrogen, very little having been applied since a crop of crimson clover was plowed under some five years ago. After the grockberries were picked I sowed the
ground to crimson clover, which made a good growth before frost owing to the late fall. It came through the winter nicely, and was plowed under late this spring. The result was I never had finer-looking plants nor a better show of berries than this year. This was in the nature of an experiment only, and as it will be repeated on this and other sections of the grounds this sear, 1 will know later whether it

## A HINT TO FRUIT-GROWERS-HOW THE

 DOCTOR SAVED HIS FRUITI have amazed myself a few years past in attempting to originate some new and valuable varieties of fruit by hybridization. Like all experimenters, I look for some wonderful results; but not too confidently, as I am well aware there are innumerable failures to one success. The future will tell; and then success. The future will tell; and then I will tell. At pre
of something else.
of something else.
One of my new
One of my new peach-trees bloomed last spring-a year sooner than I had expected. I watched the blossoms anx-
iously from day to day; four formed fruit, and three sinall peaches remain on the tree now, and promise to remain until they ripen. Is it any wonder that I value these more than all else in my garden, and that I regret that the tree to furnish the first reward of my labors should happen to be the nearest to the street, where the luscious fruit-of course, it will be luscious-cannot fail to tempt the thoughtless and hungry boy? I wonder if I shall eat it
A horticultural writer recently made lament that the crime of stealing fruit from the tree is usually regarded with extreme leniency; that the theft of a few cents' worth of apples from a gro-cert-store would be likely to be pun-cery-store would be while the man who would cause the prosecution of a neighbor's son for the prosecution of a neighbor's son fruit from his orchard would pilfering fruit from his orchard would be generally denounced as a curmud-
geon. The writer will receive the symgeon. The writer will receive the sym-
pathy of many who hare attempted pathy of many who hare attempted fruit-growing in the suburbs of large

TNOTES FROM
ARDEN AND FIELD he Belglan-ilaire Delusion.So much has been already said
about liclgian hares that. I will not again refer for the
without piovocation. Lut. from subject without provocation. Lut. fr
she freguent letters I am srill ceiving in regard to these ammats
conclude that the topic is one of more than common interest to a good many of our readers. In one of my papers (Farmers' Voice) I notice some comments on the Belgian-hare delusion that makes m: "Indeed it is better to know but little than to know so much that isn't so." Take this, for instance: "Owing to the phenomenal fecundity. of these animals, we beliere that if they are as extensively bred as reportis indicate they will be, in shall be compelled to legislate against
them or offer a reward for so many them or offer a reward for so many
scalps, as the Australian govermment does in the case of common lares.
They will give no end of annoyance and They will give no end of annoyance and
trouble to farmers, upon whose crops they will prey. When almost every-
body begins to grow them thicy will bccome very ummerous throughout the country, and the wooded country will teem with them, as in mauy places it does now with the common native
hares. They will revert to their native habits, their wild statc, and then trouble will begin." The person who wrote the Belgian hare. That seems sure enough. I have bred them since about 1872; had a large drove of them at large at one time, so that I found them in the orchards and in the woods all around me. I got some of them; foxes
and dogs got some of them; hunters and dogs got some of them; hunters
killed a few more, and the balance disappeared. They never seemed to increase while at large, and. they never
did serious damage to my crops that I knew of. Not even a young tree was
bariked ly them. Once or twice they ate off a few bean-vines-that was all.

## Growing Cauliflowers.-Mis. Dr. W.

 B. C., of Charlottesville, Ma., tells me that she is making her first attempt togrow cauliflowers, and she would like to know how to make the plants head. Cauliflowers are usually considered a difficult crop to grow, yet I am having no trouble. In fact, I usually have cauliflowers in early summer even be-
fore I have early cabbage. Cauliflowfore I have early cabbage. Caund started from seed and set out in open ground head before the cabbages do. But they want good ground and good cultivation. You can't raise them
in thin ground or in a very hot and dry season. I aim to have plants head
early, before the torrid heat of midsummer, or late, when that heat is past and the nights begin to get long and cool. Plenty of plant-food and a is the key to success in growing and plenty of it, for the crop, and in hot, dry weather apply a mulch all over the ground around the plants if you
can get material for it, such as coarse manure, straw, hay, weeds and rubbish of any kind. It will help to keep the ground cool and moist. For the late
crop I invariably sow the seed directly where I want the plant some time in June, then thin to one plant to a place arid give good cultivation and perhaps
mulch. I seldom fail to get good heads mulch. I seldon
in this manner.

Growing Asparagus.-A reader in Grantville, Kansas, asks for information on the planting and the care ground, at what time of the year to set the plants, how far apart, etc. I know of no other vegetable which gives
one so much table enjoyment as does asparagus. I have it from May lst to about July 1st, or eight weeks, and during this time-a full one sixth of the I do not have asparagus on the table in some form once or twice. Now and
then one finds a person who says that he or she does not like asparagus. The
more would do so if they had it served
to them in the style that happens to suit their individual taste. Those who do not like it when cooked like green peas may try it preparcd in the French or German style, with a sour dressing, or boiled and served cold with vinegar as a salad, or parboiled, then rolled in bread-crmmbs and fried. Most people will learn to appreciate it in one way or
another. I like it any way it is cooked.

In order to make a new plantation you have got to have plants. I think strong one-year-old plants are best You can buy them at one dollar or less for one hundred, or you can casily grow them. Asparagus grows easily from seed. Sow it in rows, like radishes, but perhaps more thinly; then thin the plants to stand from two to three The plants to stand from two to three garden land, will give a nice lot of fine plauts by another fall or spring. Select plauts by another fall or spring. Select a suitable strip of warm soil-as, for
instance, off one side of the garden. instance, off one side of the garden.
Make this very rich by applying as much manure as you can thoroughly mix with the soil. You cannot hav soil too well manured nor too rich otherwise for this crop. If you use com plete fertilizer don't be afraid to put on a ton or two to the acre. Plow deeply, then lay out the ground in deep furrows, say five feet apart, and in the bottom of these furrows set the plants, say two-feet apart. What you want and what the market wants is large fat stalks, not the small, miserable things which one can grow by setting plants more closely and in poor soil. plants more closely and in poor soil. with the rest of the ground; then keep with the rest of the ground; then keep Of course, it is advisable to grow an-
other crop between the asparagusother crop between the asparagus
plants the first season, such as cabbage cauliflower, beets, carrots, or whatever you likc. Have one row between each two asparagus rows, and cultivate by horse-power. The spring following give another dressing of commercial manure if you have it, or put on some more fine manure and work that into the surface soil. Ridge up slightly over the rows, and if you wish you may cut a few of the stalks in the earlier part of the asparagus season, but not very many. I believe it would be much bet ter to let all grow and to give the roots all the chance to develop; then begin cutting for use or market the third sea son. The ridge over the plants should be kept loose and mellow all the time If the soil is rather clayey, like that of the correspondent near Washington, D. C. (who also inquires about this), the application of plenty of manure, muck, chip dirt, sand, etc., will help to make it loose. The stalks should find but little mechanical resistance to their growth. Of course, the land should be well drained.
M. S. H., of Port Byron, Ill., asks how many weeks it is safe to cut asparagus when the bed is once well estab-
lished? I cut everything sleek and lished? I cut everything sleek and
clean-keep the bed as bare as a floorfrom the time the first stalks appear in April or May until we have green peas in June-usually about from the 15th to the 20th. After that the stalks are left to grow undisturbed. This, I think, will give the desired information.

## Fertilizers for Sandy Soll.- $\AA$ Ware

 county (Georgia) reader says: "This section of the state is very sandy; so much so that when the ground dries after a rain it looks as if a slight snow had fallen. About six inches under the surface the soil is of a yellowish cast, surface the soil is of a yellowish cast,but still mostly sand. All our farmers use commercial fertilizers, buying one kind for twenty dollars a ton and another for twenty-two dollars. Where
this stuft is used it produces fairly good crops of grain, also sugar-cane, peanuts, sweet-potatoes, etc. The formula given on the bags is unintelligible to me. Now, what is the best thing to use on this land?" Of course, I can do but litthe more than make a guess. The fertilizers in question leing cheap are probably mostly phosphate manures. Possibly they may contain a small percentage of nitrogen and potash. It speaks well for them that they show
sary thing to do in your case, I beheve, soil, and this you can do by growing cow-peas. I advise you to read the cow(issue of $\Lambda$ pril 24th) very carcfully, and (issue of April 2tth) very carcfully, and phate (dissolved South Carolina rock) phate (dissolved South Carolina rock) and muriate of potash, and apply this
as needed.
T. Greiner.

## INQUIRIES ANSWERED

by t. greiner
Forcing Tomatoes.-S. C. M., Calla, grown in a house slxteeu or tweuty fect wide and fifty or seveuty-five feet long without benches and with the bot-air system in heating? If not, what would be the next eheapest coustruction in forciug tomatoes so as to commence fruitiug about the first or middle of January? What varieties are used? Also what price can be realized for a season, on an average?',
Reply:-I have my doubts that it is practicable to heat a tomato-forcing bouse witb bencbes on ground level by meaus of a hot-air prefer the hot-air or steam system, by which the heat ean be more evenly distributed. If you cau solve the heating problem all right you can force tomatoes on the Lorillard is probably oue of the tomatoes for forcing, but different scedsmen also recommend various other sorts. You which sets fruit in greenhouses quite freely. Of course, priees of wiuter tonatoes vary iu
different localities. An average for the windifferent localities. An average for the win-
ter would probably come near twenty ceuts r would probably come uear twenty ceuts a pound in m


## inQUIRIES ANSWERED

Transplanting Currants.-H. M. Z., Weiffers, Pa,, inqnires wbeu would be the
best or proper time to plant or transplant currant-bushes. I regard autumn as the best season for planting currants, but have sueceeded nearly as well in early spring. If kept moist there is little danger of the plants dying at any time, but those set in the fall or early spring make a larger growth the first year than those planted when the buds bave
developed into leares. They should be set in the oped into leaves. They shoupd be set in fallen and the wood is ripe, or in spring as soon as the ground is dry enough to work. Apple-tree Fire-blight.-D. W. S.,
North Madison, Iud., has an orchard ten or North Madison, Iud., has an orchard ten or
eleven years old, and early in spring the tops eleven years old, and early in spring the tops
of new growth look as if frosted. Commenef new with a few dead leaves on the tops of the harge limbs. He want to know wbat is the disease and the wanedy, The disense is the doubtedly what is known as the fire-blight, that attacks all members of the Pyrus family at times, but is usually most prevaleut on the pear and Siberian species of apple, and is the are liable. It attacks the trees at different periods of the growing season, from June to Septenber, and generally in the roung parts first. Ou the pear it is ofteu fatal to
the tree, but on the apple less fatal, rarely the tree, but on the apple less fatal, rarely killing more than a portion of the tree. It
is thought to be eucouraged by the trees is thought to be eucouraged by the trees
growing too rapidly, and warm suushine in sultry weather, and perhaps it is best not to ase stimulating mauures too freely on a
thrifty orehard. In the West it has beeu found less prevalent in orchards that have good air drainage. No sure remedy for it has so far been found. The nearest to a remedy is to
cut away the blighted portions several inches below where they are affected as soou as bey are discovered and bura then.
Diseased Apple-tree Bark.-J, M. A.,
Soutb Middleboro, Mass., seuds a sample of bark from an apple-tree, and writes that the majority of the trees in the orchard are affected in a similar manner. I am not able
to name the cause without seeing the trees or knowing more about the treatment they canker, which might be cansed by pruning iu previous years just after the circulation of
sap had begun and before tbe trees were fully leafed out, or by frozeu sap-bligbt, or by some fuugous disease, but the sample not show the presence of any active fungi. would advise scraping and cutting away all affected parts, and washing tbe truuks and larger branches with a strong soap-suds to
which is added one half ounce of carboli which is added one half ounce of carbolie acid to each gallon of the wash, and two or
three weeks later giving all of the trees in the orehard a coat of lime whitewash, and at the same time giviug the soil frequent shallow cultivation until about the first of a deficiency of some eleruent that is essential to the health and frnitfnluess of the trees.
uot yield good uot yield good crops of corn and potatoes
would probably be greatly benefited by growing upon it clover, cow-pcas, or even rye or
buekwhent, and turning the growth under before the seed is ripe. From loug sbading the soil may have become sour or soddeu,
in which ease a dressing of air-slaked lime in which case a dressi
wonld prove beneficial.

## Cherry Millew-Vaneties

I have eberry-trees that were grafted this
spring. They grew a little while, then the
leaves on givfter spring. They grew a little while, then the
leaves on graft curlcd up aud stopped growing, and a substance having the appearance leaves. What is the remedy?-Are Mitchel's and Michael's Early strawberry the same the largest strawberry that is likely to suc-Rerly:-Tbe cherry grafts are likely
affected with a minute fungus, or midew, affected with a minute fungus, or mildew,
that attacks the newly expanded foliage at that attacks the newly expanded foliage at
the ends of the branches, ehecks tbe growth aud ofteu canses bligbt. It may bc caused imperfect soil drainage, scions from diseased warm days follow stocks, or a number of The most eommon antidote for mildew is powdered sulpbur, applled to the foliage with a powder-gun or sulpbur-bellows wbeu there lieve on it. I have uever tested it, but be early in spraying witb Bordeaux mixture - The Mitcbel's aud tbe Michacl's Early ar oue and the saue rariety. Mitcbel's Early is geuerally recognized as the correet name one of the most promisiug of the very early stia wberries. It is perfect-flowering, pro auctive, and ripens three to five days earlier tbau Micbael's. The largest strawberries that ing worthy of general cultivation are Nick Grafting the Orange.-K. D., Ogle, Pa ing in a pot or tub. The best thue for spring, and the scious should be taken from bearing trees or from grafted or budded trees The best method would be the side or veueer
graft. To make it, au incision is made upon graft. To make it, au incision is made upon and abont one inch long, the bit of bark being removed by a dowuward-sloping cut at the
base, fbich leaves the bottom sometbing llke base, wbich leaves the bottom sometbing 11 ke off obliquely to fit the uotch, and upon the louger side a portion of bark is removed the responding to the portion taken from the responding to the portion taken from the
stock. The scion is tied tigbtly to the stock with raftia or some soft string. If properly done the wounded surfaces are completely covered, making the use of wax unnecessary but it will do uo harm. The stock may or may uot be headed back before the sclon has
united, with it. Shading for a few days, and keeping it. Shading for a few days, and sphagnum until the scions are well estab lished, tends to make the operation more successful. Whip or splice grafting is a simpler methoa, aud would likely prove as suc In this the sciou and stock should be near In this the sciou and stock should be nearly grafted. Graftiug of the orange is often un satisfactory, and I think the best method of changing the tree is by shield-budding which can be doue at auy time when the bark will peel or separate freely from the wood, but it is best done in the spring. The same methods and treatment apply to the lemontree. The tyiug should not be taken off until the scion or bud has become well uuited to the stock.
Plum-leaf Plant-loase (Aphis Prunifolia). -M . P., Springdale, Ark. The leaves
from a plum-tree which you inclosed are in from a plum-tree which you inclosed are in-
fested with what is kuowu as the plum-leaf plaut louse when very numerous, as the appear to be ou ronr tree, they often do great iujury to the plum-trees by causing the leaves to curl and the terminal growth to cease; also in very bad cases causiug the son's growth and greatly injuriug the quality of the fruit. This particular species of aphis cept plums and cherries insects, aud obtaiu tbeir food by inserting their loug, tubular beaks into the tender new growth, sucking out the sap, aud rarely change
places until that particular spot is exhausted, they cannot be destroyed by spraying with poisous. Oue. of the best remedies I have
ever tested is tobacco-water. It is made by and stalts of the cigar or the refuse stem and stalks of the cigar-factory. A large ket
the is crowded full of them, covered witb water and boiled until a strong decoetion
is made. This is applied to the stems is made. This is applied to the stems
and leaves witb a garden-syringe or spraypump, or witb small trees by dipping tbe twigs into the solntion. It cau also be ap-
plied with a whitewash-brush, dipping it into the liquid aud sbaking it sharply over the infested parts. This, or a whale-oil soap so-
lution, will kill every species of plant-liee and nearly all otber insects that infest fruit-trees solviug solution is made by dis solviug two pouuds of this soap in fifteen
gallons of watcr and applyiug the saune as the tobaeeo-water.

CHINESE LAND-TAXES AND CURIOUS customs

## [CONTINUED FRom page 1] <br> find things hcre the opposite of what we would naturally expect, so that such discoveries do not astonish us any

more. $\quad$ But of all curious customs in connection with farming in China perhaps the most surprising and characteristic land in a large family, or clan. A rich man dies, leaving a large landed estate his descendants will become too poor or too indifferent to his memory to offer the customary worship to his
shade, he entails a large part of his fields for that purpose. It is provided that these fields shall never be sold nor
divided among his heirs. They shall be cultivated by them in the order of priis shall be responsible that year for the sacrificial worship to his ancestor. It is simple enough the first generation one has his turn once in three But the next genęration might consist of three times that number, and the third three times nine. It sometimes happens that a very large estate is enslowly that each heir has his turn but once in a lifetime. It is a common thing for such men to borrow money future turn of the ancestral estate, and by the time the long-expected year ar rives all the income belongs to the rapacious creditors. In any country
but China such a will would be broken; but China such a will would be broken;
but such is the hold of the ancestral worship and reverence for the wishes of their fathers that the will is sacredly carried out even at the cost of such trouble and patient waiting as above the actual cultivators of the land are mostly renters. It is only a rotation of the collector of the rentals. This system is very extensive in certain sections of South China, sometimes including the bulk of the land under cultivation.
It is easy to see how such a custom kills enterprise. This land cannot pass from one owner to another. No one can give another a title to it. Each cultivator is interested in getting as much as possible out of it while in his highest fertility by careful cultivation rotation of crops and fertilization. It is the icy hand of death at the throat of the living generation choking its life. It encourages idleness in a large number of people who prefer to wait for their
turn rather than work for their living Idleness in China with money in hand or in prospect insures a profligate and vicubtless gradually die custom will China of the twentieth century, which is sure to arise and break the fetters that have so long bound it to a dead past.
A HINT TO FRUIT-GROWERS HOW THE DOCTOR SAVED HIS FRUIT
[CONTINUED from page 4]
towns. Of late years these suburbs have been greatly extended by good
roads and the bicycle excursionist. have sometimes advised advocates of road improvement to keep the arguground wheelmen's club co-operation of farmers. The sight of a dozen cyclists lounging in his orchard on a of the fruit season is apt to cause the owner to wish that the road leading to the nearest town were not in quite wrong; but irritation is not conducive to correct reasoning.
Many years ago I had personal knowledge of how one suburban res-
ident protected his fruit. He was a retired physician, who had been in such active practice that his passion for
horticulture had been, perforce, repressed for many years. He had studon the subject, and had made such ex periments as were practicable-and yard of his city home; but the office nearly all his time. In late middle life
he bought ten or a dozen acres of land land city where he lived, had it put into a high state of cultivation, and finally built a house and moved into it to enjoy for his remaining years the pleassince he left his father's farm.
Carefully selected fruit-trees had been planted; a large garden had been cultivated under his direction, and was waiting for his personal supervision; there was to be no delay in his entering into his kingdom. Alas! where he had sown others reaped. I visited him the second year of his country residence and lis-
tened to his tale of sorrow. His disappointment was great. Grapes, apples, pears and plums disappeared before any reached maturity. None were left even for samples. His grounds were large, there were no policemen worth mentioning, and any sort of protection that would inflict personal injury was not to be tho
I visited him again in the autumn a leaded with fruit, trees and vines were contending against nothing worse was contending against nothing worse than
insect enemies. He laughingly told me insect enemies. He laughingly told me how he had overcome his difficulties.
"When the marauders began their work last year I told my gardener to employ the next night as many men as were needed to surround the grounds, and to catch each person found stealing fruit and bring him to my study. In the course of the evening they brought in four boys, all belonging to respectable families in the neighborhood. They were very contrite, and begged hard not to be punished or exposed. I gave them serious lecture, read the law under which they could be punished, and agreed to let them go and to keep silence about the matter on this condi-
tion: They were to sign a confession tion: They were to sign a confession
that they had habitually robbed me, and I was to use this document, in addition to other evidence I had against them, only in case I was again troubled in the same way. If I was robbed in the future I should assume they were the robbers.
"I have now," added the doctor, "as could desire. These boys are strong, active fellows, and are leaders among their cronies; they have passed the word around that my grounds are to be let alone. If a crowd of hoodlums should come out from the city in search of fruit, they would meet a warm reeption. I couldn't have bought such
The good doctor lived to enjoy his country life, his trees and garden for many years. Not long ago I met one of his executors, who said.
"In looking through Dr. Blank's private safe I found a paper which puzzled me. Perhaps you can explain it. It is a confession, signed by four per-
sons, that they had stolen his fruit and the signers are among the most prominent men in our know twhat it means?"
Then I told him the story, as I have told it here. C. S. Cushman.

## SLIMY BREAD

During the last year or two, in the summer more particularly, considerable loss has been suffered throughout the country from sticky or slimy bread. For the first two or three days after being baked the bread reveals nothing unusual-in fact, looks and tastes like the best-but after that it begins to turn a light brown, to taste sweetish and to emit a peculiar odor. The most remarkable development, however, is its the hesive covering that becomes more marked with are the gluey substance marked with age, the gluey substance eral feet in length can be drawn out. Since the careful as well as the careless housewife suffer alike the trouble cannot depend upon the bread-maker.
The following brief remarks will explain the matter
means by which it ond the is a gets into the bread Cases having occurred where different brands of both white and Grahain flour biscuits indicates that theflour is not at
of yeast legularly produced the stick iness at once show that the yeast is to blame.

The bacillus that causes this trouble is a very cominon one, and very wel
known. Its various forms possess the following remarkable characteristics In the vegetating stage one hundred and fifty degrees temperature will kill it within an hour, and if exposed to the air while in this form one hundred and ninety-five degrees will prove fata almost instantly. In this stage also an exposure in a moist state to a temper ature of two hundred and fifty degrees
may be withstood for a quarter of an may be withstood for a quarter of an hour, but if the microbe be dry even three hundred degrees may be borne
for twenty minutes without injury to for twenty minutes without injury to
life.
Now, in bread-baking, though the temperature of the oven may rise to more than three hundred and fifty degrees, it has been noted that the dough does not become hotter than two hundred and twelve degrees. This is because of the water, which, so long as it exists in the mass of dough, will keep ing-point. Therefore, if the microbe be ing-point. Therefore, if the microbe be heat that is applied in baking the bread that is applied in baking the bread and be ready for business as soon as conditions favorable to reproduction present themselves. These conditions
are a warm air such as we have from June to September.

The trouble is likely to occur so long as yeast-makers are careless in prepar ing their product. The only advice that can be given to the housewife is to keep the bread as cool as possible after baking, so that the microbes cannot grow quite so fast, and to make only a small quantity of bread at a time, so that it may be all eaten

There need be no eable.
and erciteme alarm and excitement about this trouble, be harmful in microbe harmful in small quantities, andbecause as soon as the alteration in the bread becomes noticeable no one would care to eat it even if very hungry. $\perp$ M. G. Kains.

## CORRESPONDENCE

## From Green Mountain State.-Windso

 Vermont, and ahounds ln cozy homes, good schools and weli-hulit highways. It has many excellent forests of large trees of hirch, heech, spruce, hemlock, pine, mapie andmany other varieties. Vermont produces her many other varieties. Vermont produces her
fuii share of pure mapie-syrup. Dairying fuii share of pure mapie-syrup. Dairying Is the leading occupation, the hillsides fur-
nishlng exceilent grazing, while the vaileys nishlng excelient grazing, while the vaileys
are very fertile and adapted to ralsing corn and all klnds of grain. As for frult, no place is more suited to apple culture. Like many Eastern states the villages are manufacturing of Black river valiey; ls situated twenty five miles south of Rutland, on the Rutland rallroad. It has a population of over two thonsand inhabitants. The price of real estate is very low, possihly lower than any other section in our country, when cultivation of a standard quality and fertility is heing purchased at the worth of the bulldings they

## contain.

From Florida-Cassava-factory Needed. -Citrouelle would he a most appropriate of ten miles there are thousauds of a radius of open land whlch could be bought for from
fifty cents up to $\$ 5$ an acre. It has heen proven beyond a donbt that cassava can he
raised here abundantly. This is light, sand soii and well adapted to the culture of cassava. There is no clay and the roots have nothing to prevent them growing, unless they run into a phosphate-bed, for the ground is is a great fertlllzer for the cassovate, which not much of a farming country, and if a casthe opening up of all the government lande the opening up of all the government lands
Citronclle is a smali vilage. of five hundred iuhabitants, eight miles from the Gulf coast, on the Plant system of railways. There is a large sawmill and extensive turpentinetwo years, and have never seen a more peacetwo years, and have never seen a more peace
able, quiet people. If we could only get
Northern have something that would be a paying in dustry. There are three or four cassava-fac tories running successfully now in. Florida Cassava is used for the manufacture of
starch. The roots are the part used, and are starch. The roots are the part uscd, and are
similar to the sweet-potatoes. They are also similar to the sweet-potatoes. They are als think is far superior to many puddings Cltronelic, F

W OULD you rather buy week the year round, or one that lasts till some accident breaks it?
Tough glass, Macbeth's "pearl top" or "pearl glass," almost never break from heat not one in a hundred.

Where can you get it? and what does it cost ?
Your dealer knows where and how much. It costs more than common glass; and may be, he thinks tough glass isn't good for his business.
$\because= \pm=2=$
$\qquad$
Farm Wagon Economy The economy of this propositlon is not all found in
the very reasonable prlee of the wagon itself, but in



Thls wagon is composed of the best materla
throughout-white hrckory axles, steel wheels, ste
houuds, etc. Guaranteed to carry 4,000 pound


ORNAMENTAL FENCE!
 and Cemeteries. Write us for catalogue.
KOKOMO FENCE MCH. CO.,
427 mORTH St.
KOKOMO. IND., U. B. $A$
Saw Mills .



COLONY IN REPUBLIC OF COLOMBIA, SOUTH AMERICA on the madalema river
300,000 Acres, $\$ 5$ Per Acre, Payable in 5 Years A great industrial colony; cllmate and soil same as



SEE AND WONDER CREAM SEPARATOR

We are the largest mans-
facturers of Steel Wheels facturers of Steel whens the
and Truck Wagons in the World. Write for Cataloguse.
Havana (III.) Metal Wheel Co.


THE FRENCH BREEDS the most appreciated poultry in ly the Houlan, casily known, tocs, and by their leas, which are of a pinky hue splashed with a grayisl quiek development, produces large those of the Cochin and its crosses eggs being preferred in the Paris markets. It may be clamed hat Houdans erty are at four months old as large as the parents. In this country Houdans have proved to be the hardiest
birds of the French breeds. They do not sit, whieh is a defect inherent in There is sold ammally in the markets of Houdan, Dreux and Nogent-le-Roy about six million franes worth of fat hundred thousand dollars). The Crevecoeur is also a valuable bird. The flesh fattens easily; the eggs are rery large, of an arerage weight of two and one fourth onnces each. At an adult age
this bird weighs orer nine pounds. At two years old some weigh ten pounds three montlis old, and at the end of a fortnight is fit for the table. At five months this bird attains its full development, and at that age it weighs times more. Fleche is not so precocions as the former breeds. At the yearly exhibition in Paris they were admired on account of the quality of
flesin and fattening propensities. It is slower in growth, and is therefore offered in the market when other breeds have disappeared. Of all the French breeds it is the longest in legs. Capons
and pullets of this breed fatten well at from nine to cleven months, when they obtain the maximum of their growth.
$\Lambda$ fat pulpet weighs from eight to ten pounds. and the capons go beyond six-
teen pounds. Their flesh is very fine and delicate in taste.

## FORAGING IN SUMMER

It is the active, busy, foraging fowls that continne to lay and seldom become come sitters if coufined and fed liberally on grain. When the hens have a range, and are busy at work, they naturally keep themselves in what is
termed "good laying condition." for the reason that when they forage and work over a wide area they secure a greater
variety of food, have plenty of exercise, breathe more fresh air, are less subject to disease, and the food is more bal-
anced. When fowls are fed liberally they have no incentive to forage, and laying condition. It is claimed that the hen that forages and lays a large number of eggs in snmmer pays more than one which lays fewer eggs in with the adrantages of high prices during the cold season, as the expense The profit is that left over after all expenses are deducted, and the high prices for eggs in winter will not pro-
duce a profit unless the expenses are such to accomplish that purpose; but in a profit. Foraging in smmmer permits the fowls to utilize materials on the
farm that would otherwise give no return.
SYMPTOMS OF CHOLERA
Cholera is epirlemic and rery con-
tagious. It is caused by orererowding,
keeping too many fowls in one place,
bad sanitary arrangements and un-
wholesome food and water. The fowl
has a dejected, sleepy and drooping ap=
pearance, is thirsty, has a slow, stalking gait, is sometimes weak, and falls down. The comb and wattles lose their color beeoming pale and dark; the discharge is greenish, like sulphur and water mised, but afterward becomes thin and frothy; the crop fills with mucus and vind, and the food is not digested; the breathing is heavy and fast, with the eyes closed, and in a few hours death results. As a preventive remove all ick fowls; give tonics that win aid igestion; give the fowls more space; aeep the house well rentilated, clean and dry; the yards and places of resor hould be thoroughly disinfected with five onnces of sulphuric acid to one gallon of water, and spade up the yards and runs. Give the fowls a preventive
that will render inert the poison in heir system, for which the remedy mostly used is to add a teaspoonful of
liquid carbolic acid to every half gallon of the drinking-rvater.

## BUMBLEFOOT

Bumblefoot is caused by the perches being too small or uneven, or from flying down from a high perch onto some hard substance, which bruises the foot, and unless treatment is commenced at once and the cause removed the fowl will have a badly ulcerated foot. To cure, place the bird in a dry, warm coop, without perches, and have the loor well littered with chaff or fine hay If the foot is only slightly bruised coat
with iodine three times a day. If it is with iodine three times a day. If it is
soft and swelled lance it, press out all the matter and cauterize with lunar austic. If the foot is ulcerated cleans thoroughly and bathe in a solution of carbolic acid and water. All treatment given will fail if the original cause o the disease is not removed: Do not have your perches more than twenty hehes high, and for the $\Lambda$ siatics they hould not be more than one foot from the ground.

## YOUNG TURKEYS

The young turkeys should now be growing, and should also by this time have reached a stage at which they can imes more they are some light from some high roosting-place This lameness comes on gradually, and there is no remedy but to put them in straw at night until the lameness passes away. They like to roam and seek their food; but should the grass be scarce by reason of prolonged dry veather, they will appreciate a mess of food at night, and will also then more readily come up to the barn-yard than if left entirely to themselves.

## SELL THE SURPLUS MALES

Every rooster not intended especially for breeding should be killed or sold as soon as large enough to eat. Not over one good rooster should be kept on any with not to cxceed cooped and mated from those hens to be kept expressly for hatching. The other hens should or hatching. The other hens should be kept especially for eggs for market llowed ase, and do rooster should b llowed among them. On the ordinary arms about one tenth of the fowls are oosters, which is about nine times as

TREATMENT FOR GAPEWORM
Firstly, isolate sick birds, or, better emore all the well birds to a new o ill recenty occupied pen. Secondly, kill all badly infested birds, and cook, burn or bury deeply in some place far removed from the fowl runs. If buried near, earthworms will find and eat the eggs of the parasite and conrey the dis ease to the other fowls. If the dead kill all worms and egrs, the so as to
mithout danger. Thirdly, disinfect the pens and yards by sprinkling with a diluted solution of sulphuric acid, using
two or three pints of eommercial acid to twenty-five gallons of water. Great strong acid The
never the water into the acid.
sulphuric acid is not convenient to obtain or use, kainite or air-siaked lime
may be used instead. These should be liberally dusted over the yards and in
the houses. Boilino. water the houses. Boiling water
dissolve as much kainite
salt as it will take) makes an cxcel lent disinfectant. Fourthly, give one teaspoouful of turpentine and one asafetida in a warmi bran mash to each
twenty-five birds. A pill of camphor the size of a wheat-grain pushed down the throat has often giren grood results. Another good remedy is to remove the tip, moisten small feather, exeept the osene, and carefully push it down the windpipe, twisting it around. It will tend to kill all worms it touches, but cannot touch those in the lower hair or fine wire pushed down the windpipe and twisted around will bring up many of the worms, but cannot reach those lower down. Great care must be exercised in handling the feather or loop, or else the bird will be strangled. Turpentine and asafetida mixed in the food soon load the fowl's breath with
their fumes, and this kill all worms in the bronchi as well as those higher up. Camphor acts in the same way,
but is not as efficient as turpentine. but is not as efficient as turpentine. A
solution of salicylic acid-one third to the quart of water-should be given to the fowls to drink. Fumigation with equal parts of turpentine, sulphur and pine-tar, as recommended for bronchial and lung
(Bulletin 127, p. 112), will probably give good results in this case, and is easily large dry-goods box will answer equally as well for a few fowls. The birds should inhale the fumes for a quarter of an hour or less, until they begin to be overcome by the fumes; then remove at once to the open air.-From Bulletin

CABBAGE is one of the very best vegetables to feed to poultry, as it keeps green a long time and the chickens en joy picking at it. Hang it up where they can eat it readily without soiling it.-Selected.

## CORRESPONDENCE <br> Liberal feeding.-I have seen so much lately about the overfeeding of poultry that I have decided to speak my opinion on the subject. Now, I have raised poultry on a success, and I do not think there is such a thing as overfeeding if the right kind of feed is used. Wheat is the best egg-producer, clam and oyster shells), aud sour milk if there is any to spare. Chickens cannot, in my opinis any to spare. Chickens cannot, in my opinion, have too much of this kind of feed, as I always have plenty lying in the yard, and my hens pay me well iu eggs for my trouhle. I have tricd other kinds of feed, but nothing has brought me such rich returns as that which I have already mentioned. Of course cleanliness about chicken-house aud laying boxcs has a great deal to do with it <br> -Willapa, Wash.

[^1]Billousness
"Ihave used your valuable CASCA-
RETS and find them perfect. Couldn't do
without them. I have used them for some time for indigestion and biliousness and am now com.
lietely cured. Recommend them, to every one.
One tried, you will never be without them in
the family.,
EDW. A. MARX, Albany, N. Y. \&ucarets Tin
Pleasant. Palatable, Potent, Taste Good. Do
Good, Never Sicken, Weaken, or Gripe, $10 \mathrm{Cl}, 2 \mathrm{cc}, 50 \mathrm{c}$. CURE CONSTIPATION.
MO-TO-BAG Solat and guranted by all druz-

|  |
| :---: |
|  |  |
|  |  |

A $\$ 12$ Bath Gabineft rois $\$ 5.00$





SI4 Wat Wou SANE MONEY


WATCH AND CHAIN FOR ONE DAYS WORR. comes


GOING TO-FEED GATTLE
$=$





Preserving and Pickling Cucumbers. republish tbe followlng, from Mr. Greiner's paper:
"Preservivg,-The cucumbers are picked
every other day in the morning as soon as the dew is off, and sorted into tbree sizes
from two to seven inches in lengtb, each slze packed by itself. If possible, the packing is
done in the afternoou of the day they are picked. Barrels mar be used; when full the
cucumbers are corered with brine of sufficient strength to tloat a potato. No more salt is
to be added. After standing three or four days, to settle, the scum should be remored,
and each barrel refilled from other harreis containing cucumbers of the same size which
bad been in hrine of like strengtb. The
harrels when headed up and marked are ready for shipment. A forty-gallon barrel will
hold from five thousand to six thousand of tbe smallest size, and from ten hundred to
fifteen hundred of the largest. The cucumhers must be cut from the viues with a
sharp knife, or, better, scissors, leaving on this brine will not shrivel, and need but litthe refreshing; but housewires must bear in
mind tbat they will not keep through the "Picesivg.-Drain them from the brine, fill water over, and let remain twent $y$-four hours. If too salty (which will depend upon the size) pour off the water, stir thorougbly from the
hottom, tbat they may freshen evenly, and again corer with hoiliug water. After twelre vinegar: three days later drain, and cover and spiced or not, to suit the taste. I will
sar, however, that I do not know of any grower around bere who ever sold his pickles
in auy other shape except. just put up in hrlue. I am not aware tbat tbere is a wholewere, the average grower, lacking the skill pickles in vinegar or in any fancy strle,
would do far better the hrlne.'

| VETERINARY |
| :---: |
|  |
|  |
| misena atrenteon mul be pata |
| tes mast to erecerveatat teast TW |
|  |
| \%. Dirarens. |
|  |
|  |
|  |
| If you will tel me ertere and in |
| I mas he able to ad |
| the elf |
| (tams |
| Wasb. Accorruing to sour raterer menzer dee |
| It appears to |
| to a rers serere |
| and |
|  |
|  |
|  |
| ereet |
| ask for a cure of a astula witio |
|  |
| Compel me to writea iong treatise nat to tatis |
|  |



## 


in giving the dog daily, for several days iu
succession, a hath in a two-per-cent solution
of croolin (Pearsous) iu watcr. Concerulag
the so-called ear-worm (otitis), first a muslin

CUPERIOR Disc Drills


No Trouble
To Boil Eggs Now
 Put the basket
with the eggs in-
to the kettle, set Conscquently, the question to he answered is,
"What are, or were, tbe causes?" Toxemic hemoglobinuria may be produced by various of microscopic orgauisms causing lnfectious
diseases, and then may he looked upon as a coucomitant of the latter. Amoug tbe
former I will meution distilled water, if exclusirely used for drinkiug, glsceriu, salts
formed with certaiu acids contained in the gall or hile, arseninreted hydrogen, sulphuric nitrous acid, sodium uitrite, prrogallic acid, paraldehyde, potassium chloride, copper,
mushrooms, etc. Among the infectious dlsmushrooms, so-called Texas fever ls prohably the most important as far as cattle are conhemoglohinemia are apt to be attended with bemoglobinuria. Bloody urine, or bematuria,
differs essentially from hemoglobinuria, hecause in the former the uriue contalns real
hlood, consequently a large numher of hlood corpuscles, the presence of which cau be easiWhile in tbe latter the red color of the urine
is due to an admisture of the dissolved coloring matter of the blood, bemoglobin (more or oxybemoglobln). Consequently, ln thls lat-
ter disease a microscopic examination wili eit her show that the urine does not contain
any blood corpuscles whaterer, or at least hut very few. Hematuria is not a distinct discase, and occurs only if hlood-vessels anyWhere in the urlnary organs have been some blood to escape and to hecome mixed to the urine is uniform it is tolerably safe is either in the kidneys or in the ureters; streaks or in clots, it mas be considered as hladder or in the urethra. Hematuria, tberecause congestion, a lesion of hlood-vessels or hleeding in any of the urinary organs; so,
for instance, in the kiduers by anything excessive use of diuretics, or of sharp and resinous substances, etc.), lesions and inflammainflammation or lesious (hladder-stones and concrements), tumors (cancers and polyps)
and ulcerous degeueratiou (tuberculosis in cattle and glayders in horses), aud, in short, destruction of blood-vessels; iu the urethra
hy lnflaumation, ulceration and the presence
of tumors or stones; in the prostate gland by infla umatiou and the preseuce of concrements. Hematuria many also occur as a concomitant
of such infectious diseases as mill produce a cankening and rupture of the walls of the
 h
f
s
o
t
p
b
t
n
t
n
b
b
t
r


Tmodesirable and homan natmoe despieable for a time but these things
are transient. They pass by and are naught. When we look back upon them woorl and poisonous wereds when so many brig.
about us.
Remember that for our own individual selves atone we camot answer; that our words and thonghts and deeds are
never-ending; that these thingss alone shape our indiridual life and condition thoughts and words we can guide, and thus contribnte, as we will, to the sum total of human happiness or human agony and despair
"Charity begins at home" rans an old adage. A great many are conte
to have it stop jnst where it began.

I can but believe that in every human breast there is a spark of grood that noble men and women. $t$ am determined to beliere in human nature, to believe that this world is not created
in rain, and that God still speaks to each individual in whatsoever way he is best fitted to hear. To noble ones and clear, or in tumultnons bursts of fierce music. 'To the coarser ones in
lowlier and humbler strains. Though men may perifure themselves, sell their birthright in truth and honor and noble living for a "mess of pottage," yet fact that they have been cheated and thwarted of the best life has to offer. Alas! to them cannot come the joyful servant." They must pick up the tangled threads of life that they have so ignobly spun, and weave them into whatsoever shape they can. That the threads
cannot be golden and silvern they well know. But the fact that they are willing to take the threads as they have spun them, and weave them into as
bright a weare as the threads allow, tells in unmistakable language that the struggle to live nobly is a universal instinct. I am determined to believe the good in human nature despite the fact that men who are coarse and bestial win the plaudits of their own com-
munity. Few know the price they pay in thus winning homage, but all know that their recompense at the hands of those
That your inteut is honest, that your whole desire is to live a noble life and benefit those about yoll should inspire you with the belief that others also
share your desires. Not so ardently perhaps, but still they share thent. This common impulse or instinct, what-
soever yon may dub it, builds churches, maintains schools and even our beloved order, and the success and development of these ontward semblances of inward truth and right-thinking indicate the munity.
is remodeling the jail building. (l'aris
Ilill, Maine) tor a public library for the
village, in memory of a young son who
died a few years since."-Good-Will
Record.
This is a happy thonght; to change
a jail to a library! Were there more
public libraries there would be need ot
fewer jails and reformatorics. 1 know
of no better aerator of the human mind
than bright, healthtul literatme. It is
not necessary to wait till you cau get
an old jail to remodel before you estab-
lish a library. Build your library now,
and you will find less and less need ot
jails and reformatories.
\% \% \%
Have you ever noticed the influence
reading has on the mind and actions of

## an elder brother read, "I come not here

 of talk. You know too well the storyof our thralldom." Ifow lis eye thash his breast heaves, nis sturdy shoulders straighten, as lie assumes the defiant thitusle of the speaker. You have seen inary audience, pleading and arguing Webster's supposed speech of John Quiney Adams. Has he read of hrving and lefferson and others of the world's great actors? Then will he get togethor a crowd of youngsters, and on a presented to them. We smile proudly and indulgently at this, as we well may

If this reading has such a moving flect on the child's mind, what must ma crashy stuff that goes under the hame of literature? Does it not influ nce and direct,imagination and actions of the child as surely as do those masterpieces which move old and
young alike? Notice that boy whose mind has feasted on the yellow-back novel style of reading. See him slculk and dodge. Notice, even in childhood, The insolent stare, the repulsive leer. There is a bright girl whose sweet Hidden away in some secret place I warrant you will find some of the trash that circulates so freely through the mails-papers that appear inoffensive enough, perhaps, but whose stories picinjustice of hard and cruel parents, but with a lover gallant and brave. What girl is there that does not imagine herself a heroine! To ourselves we are the principal actors in the drama of lite, and our young heroine, for so she is in truth and rerity, thinks herself the victim of an outrageous fortune who bestows smiles on her is arave young Lochiuvar, who will rescue her from the cruel oppressors. You all know the sequel. It is written in black letters in every hamlet in the country. A ruined girl', adding, percrime of murder, saddened parents who looked forward to a bright and happy life for the beloved daughter. Ah, the life for the beloved daughter. Ah, the
blighted lives there are in this sad, old blighted
Why not, so far as in us lies, change these things? Why not supply the lit tle ones with pure, healthful reading matter? Not those disgusting and contemptible goody-good books, but books written by men and women whose thoughts were noble, hearts sympathetic and heads level; who wrote of boys and girls as we know them, their hopes and fears and endeavors. What girl does not revel in the works of Louisa been converted into Pollies by reading that sweet story, "Old-Fashioned Girl?" What boy that does not eagerly devour "lip Van Winkle,"."Tanglewood Tales," "The Stone Image," "Beautiful Jo," the "Story of a Bad Boy," by Aldrich, and dozens of other fascinating stories that are lofty and noble in sentiment. Then the biography by Abbott Parton and others that a child gloats over as a of Alexander, Charlemagne, of King A1tred and his Round Table of noble knights, of the beautiful Sir Galahad, of Washington, Cromwell, Lincoln, o Agassi\%, Burroughs, Scott, Tennyson and thousands of others of times past and present who in various ways in widely sundered times have advanced civilization. He emulates their virtues and shuns their weaknesses. For is he going to be a president in that far-off dreamy tuture, and have men look up to him and write books about him? We talk a good dcal about the "nat-
ural bent" of the child. I an inclining more and more to the belief that tha which we aseribe to the "natural bent" is but a manifestation of impressive the one in early childhood. True it is that there are those whose genius is so great as to lift them above their millionth one. The nine hundred and uinety-nine thonsand nine hundred and ninety-nine that are carrying for ward the mighty works of the preswar are largely the creatures of pres
circumstances. It is with this vast majority that we are concerned. It is for
them that we plead that they have a fair chance in the battle of life. In one and women were farmer boys and girls, eracy in the next we decry the degen-
enesc sane leaders. There is no weakness of which we do not beliere
them gnilty. If we want to reform the city, let us begin at the country home our chikdren have good schools, with teachers who are cultured and who will pure and good.

The Ohio State Fair is offering unusnal attractions this year. We hope o make it a grand success in point numbers. Many new improvements have been made, and the grounds pre There is a grange hall on the grounds for the convenience of visiting patrons. If you are not a patron, ive invite you to come and see us and find a royal to greet old friends and make new ones. Two days of the week a grange reTwo days of the week a grange re
union is held. Usually there are short addresses by good speakers. Most of the time, however, is given to handshakings and greetings.

To show that agriculture held an honorable place among the early Greeks quote from Plutarch's "Life of Tuma:" "For no occupation implants o speedy and so effectual a love of peace as a country life, where there remains indeed courage and bravery suf ficient to defend their property, but the temptation's to injustice and avarice are emoved. Numa, therefore, introduced among his subjects an attachment to husbaudry as a charm of peace; and contriving a business for them which would rather form their manners to simplicity than raise them to opulence, he divided the country into several portions, which he called pagi, or boroughs, and appointed over each of them governor, or overseer. Sometimes he also inspected them himself; and judging of the disposition of their farms some he advanced to posts of honor and trust; and, on the other hand, he reprimanded and endeavored to reform the negligent and the idle.'

A great many people, when urged to read and study, reply, "Oh, I haven't time!" Haveu't time! Haven't time to train and develop the spiritual side of dies? Haven't time to part that never Do you not think as you do your farm or house work? Is it not as easy and far more profitable, to have your mind engaged with some theme worthy the thought of a sensible man and woman than to keep it continually on the grind of every-day life and your neighbors' affairs? The mind is never at rest. It remains with you to determine the
quality of work the brain does. I am inclined to believe that it is not much a matter of lack of time as lack of judgment in employing tine. There are many, many wasted moments in the busiest life. Moments that properly employed would make cultured men effort that tells. The person who has a book handy, so that he may pick it up when he has to wait five minutes, eral hours of thonght. He can digest it, as it were, make it a part of his to pick up a book just for five minrather idec away those moments, well and good; but don't say you haven't time to read. Rather acknowledge that

## ploy it

Some of the best-read people meet are those who have acquired their information in these odd minutes that spare minutes, and well have they em ployed their time
be astonis the end of a year you will you have done and the information

Priss
best friends turn their heads aside. A bad breath means a bad liver.
Ayer's Pills are liver pills. They cure constipation, bilousness, dyspepsia sick headache. 25 c . All druggists.
BUCKNTNHAN'S DYE:Whibers


I HAVE CURED




## 4,

 THE ONLY PERFEGT VAGINAL SYRING
LADIES
Make Big Wages Man Big

RUPTURE



BEST PAY

THE CROWELL \& KIRKPATRICK C0., SPRINGFIELD, 0HIO



young woman's education can
in no sense be said to be com pleted until her school studies have been supplemented by a thorough training along all lines of housekeeping and al advantages may have been of the best, she may have wealth and po sition, culture and accomplishments, of household industries it is very probable that in time she will find herself handicapped, in a position where independence and capability are the only assurances of success.
It is a wise mother who elects to provide tor the future well-being of her daughter by sending her forth from her own roof-tree well and thoroughly equipped with both knowledge and experience in all branches of housewifely
lore. There is nothing more pitiable than the lot of a girl who goes forth to encounter her own domestic experiences defrauded of her rightful preparatory training, and no mother has fully discharged her parental obligations
who has shirked the responsibility of who has shirked the responsibility of
her orn share in the training of her daughter to proficiency in housewifely accomplishments.
The daughter should be taught, by both precept and example, to regard housekeeping as a profession, and a profession of dignity and importance,
inasmuch as the welfare of all humanity depends upon the lome and the home-maker. This will serve to lift the every-day duties of housekeeping from the old rut of simple drudgery to the place of a
plishment.
Sometimes the daughter will fail to see the necessity for all this domestic training, especially if she has reason to believe that she will never be obliged to do her own housework. But as wealth is no guarantee against domes-
tic disaster, it should not be made an excuse for housewifely ignorance. And, too, in her own future experience she
will very likely find that servants are will very likely find that servants are gent, and that the only safeguard to domestic felicity is in the competent mistress, who is equal to the emergency of wisely ordering her own domestic
affairs, and training to some degree usefulness that embodiment of stupidity and incompetency that often finds its way into our kitchens.
When her interest is once aroused the daughter will soon begin to feel a certain sort of pride in her housewifely
attainments, and a sense of the responsibilites of the home-maker. She will see, too, that no one, specialty will suf-
fice; that the making of a cake, the compounding of a salad or the preparing of a dainty dessert is not by any
means an adequate preparation upon means an adequate preparation upon
which to warrant the successful manWhich to warrant the successful man-
agement of a home, or the comfort and happiness of its inmates. The making of a wholesome loaf of bread, the broiling of a steak, the roasting of a joint
and the cooking of regetables; the canning, the pickling and the preserving; the care of all kinds of meats and the lighter and more ornamental accomplishments.
The daughter should also be trained to habits of thrift and selt-dependence, for in no other way can she attain to
self-confidence and independence in her own domestic experiences. She must
learn to have an eye to the business end of her occupation, and understand ities. And to this end a certain sum of money may be set aside for household
purposes, and the daughter with per haps a good deal of kindly tuition from the mother, should be allowed to pur-
chase the household supplies. This will not only give her a practical experience in domestic economy, but will teach her the ralue of money and the necess
of wisdom and discretion in its use. The care of her own, and perhaps of
the planning and the remodeling of half-worn garments, the care and oversight of the table-linen and the bedding, a supervision of the sewing-room and the laundry, will all be helpful to he prospective housewife.
The artistic arrangement of a room may be considered an accomplishment, and a linowledge of simple children, and a knowledge of simple household remedies in cases of emergency, are ofen a necessity
In fact, to sum up the whole matter, the daughter will soom learn from practical experience that it takes an allround woman, capable of turning her hand to any and every kind of household labor, to keep in perfect running order the complicated machinery of a modern household. And she will realize the importance of her home-training accordingly.
And, too, this season of apprenticeship may be made a mutual pleasure and benefit to both mother and daughter, for if the mother has fallen behind the times in her methods, and has grown a little old-fashioned in her ways, she will soon become enthused with the spirit of progress of her up-todate daughter, and many new and helpful innovations will be the result. The close companionship and the mutual interests of this season of household discipline will develop a happy relationship and a good-fellowship that will be a source of much pleasure to both, and in future years the daughter will hold in grateful appreciation the mother. who elected to provide so wisely and well tor her daughter's happiness and well-being.

## WITH TWO QUARTS OF MOLASSES

There are very few people indeed who do not enjoy cakes of any description made with molasses. And while one is busy in making one kind a variety
might as well be put away for future might as well be put away for future use. The following kinds will keep, and are delightful additions to the table. As there are two cupfuls of molasses to a pint, it will be seen that eight cupfuls are ready for our attention.
First let us make a brown layer-cake. and stir well into it one cupful of pan, lasses. Add one tablespoonful of lard one cupful of hot water, one egg, one tablespoonful each of soda, cloves, cinBake in three layers, and put together Bake in three layers, and put together
with icing. This will seem rather thin but will bake just right. It may be baked as a loaf-cake, and raisins added $f$ desired.
Delicious Cake.-This cake requires two eggs, one cupful of sugar, one cup-
ful of molasses, one cupful of hot water, two tablespoonfuls of lard, one teaspoonful each of salt, soda, ginger and nutmeg; flour to stir a little stiff. Bake in a long, deep tin, and ice top.
Pork-cake.-Have one pound of fat salt pork chopped fine, and bring to a boil in one cupful of water. Add one hree eggs, one teaspoonful of soda, and three eggs, one teaspoonful of soda, and stiff batter. Bake slowly in a deep tin. Fruit-cake.-One cupful a deep tin. Fre cupful of sugar, one cupful of fee, one half cupful of butter, a pinch of soda, one teaspoonful of baking powder, one egg, and spices of all linds, raisins and chopped fruit to suit, about three cupfuls of flour and one pound of seeded raisins. Bake slowly in a mod-

Suet Pudding.-One cupful of finely chopped suet, one cupful of molasses, one half cupful of sugar, two cuptuls of milk, three cupfuls of flour (no cupful of English currants, spices of all linds and one teaspoonful of soda Steam four hours. This pudding will keep all winter, and may be heater whenever needed for use. Serre with a hot, tart sauce. molasses, one half cupful of sugar on
third of a cupful of melted butter or
lard, one egg, cinnamon, ginger, cloves and nutmeg to season; one teaspoonful ot soda and three and one half cupfuls of flour. Stir until well mixed, and then with a teaspoon take up tiny portions of the dough, and place about an incl apart on a floured tin. Bake in a
moderate oven. They will become round and resemble the cakes sold in stores. A raisin may be placed in the
center of each, or sprinkle English currants on them.
lasses brsnaps.-One cupful of moadd two thirds of a cupful of butter, one half cupful of hot water, one teaspoontul of soda, two teaspoonfuls of ginger, and flour to roll soft.

Chear 'Tea-cakes.-One cupful of molasses, two tablespoonfuls of vinegar, two tablespoontuls of lard, one small spoonful of soda, one tablespoonful of ginger and one tablespoonful of cinnamon; flour to roll out; cut into square cakes, sprinkle the top with sugar, and bake brown.

## FOR A PICNIC LUNCH

Deviled Chicken.-Clean a goodsized chicken, and cut it up as for frying. Boil until tender, remove all of the skin and bones, and set the meat away until perfectly cold. Then chop it fine, and to each pint of chopped meat allow one half pint of sweet
cream, one tajlespoonful of butter, cream, one tablespoonful of butter, fuls of bread-crumbs, one fourth of a grated nutmeg, and salt and pepper to taste. Melt the butter, and add the bread-crumbs, chicken, cream and seasoning, stirring it until it boils; remove from the fire and add the chopped-up egg. Pour all into a baking-dish, sprinkle lightly with cracker-crumbs, and brown in a quick oven.
Veal-Loaf.-Three pounds of raw chopped veal, three eggs, lump of butter the size of a walnut, three tablespoonfuls of rich sweet cream, one tablespoonful of sifted sage, one tablespoonful of salt, a dash of paprika, and four soda-crackers rolled fine. Form into basting with hot water and butter while baking.
Jellita Veal.-Cut a knuckle of veal into small squares, put into a kettle with water sufficient to corer it, and bring it slowly to simmering; skim, and simmer gently for two hours, then add two onions, one blade of mace, one bay-
 Chain 6 stitches. Join tr in ring; join to top of 3 ch . Chain 5 , tr in same place ( in saine place (repeat) arated by 2 ch in next, arated by 2 ch in next, 3, and join to third of 5 ch at beginning.
Now slip stitches under 2 ch 5 , der 2 ch, ch 5 , a tr
under 2 ch , ch 3 , block of 7 tr under 3 ch , catch
back in first tr and back in first tr and ch 3 , 2 tr separated by 2 ch under next ch, and so continue of 5 ch , and beginning next round as previous one. In this round there are two blocks,
one on each side of first separated by 3 ch , leaf, ten cloves, six peppercorns, one half in next round three blocks, etc Make teaspoonful of ground allspice and salt as large as desired, increasing a block and pepper to taste. Let all this cook slowly together for one hour, then take out the meat, remore the bone, and place the meat in a square mold if you have one; if not, pour into a bakingpan. Boil the liquor until it is reduced one half, strain, add a cupful of good rinegar, and pour it orer the meat. When you want to remore it from the mold wrap around it a napkin wet in
Deviled Eggs.-Hard-boil eight eggs; when cold remove the shells and cut the eggs in halves, crush the yolks with a tablespoonful of anchorv, the same of French mustard, add a dash of cayof French mustard, add a dash of cayenne and a lump of butter the size of mixture. Press the halves together
and cut off the points of the eggs, so Vinegar for Swert weet pickles, as well as for all p.-For se cider vinegar, which must be at it can easily old. Should it be dark it can easily be clarified by pouring in one teacupful of fresh unskimmed milk to every two gallons of vinegar. The dark clouds settle to the bottom, leav-
ing a clear, amber-colored liquid, which must be poured gently from the sediment.

Mrs. W. L. Tabor

## GOOD TO KNOW

When binding up cuts and wounds use linen, not cotton, as the fibers of place, while those of linen are perfectly rounded.
A little sugar added to the water for basting meat improves its flavor.
Never wasl an omelet-pan; wipe it clean with pieces of paper, then rub
with a clean, dry cloth. If the pan is treated in this way the omelets will be less apt to stick or burn.

Apple sauce is much improred by the addition of a tablespoo
For a burn or scald make a paste of common baking-soda and water; apply at once, and cover with a linen cloth. When the skin is broken, apply the white of an egg with a feather; this gives instant relief and keeps the air from the flesh.

Plaster-of-Paris ornaments can be cleaned by covering them with a thick
layer of starch. After applying let it layer of starch. After applying let it dry thoroughly, then brush, and th dust will come off with the starch
Mix stove-blacking with soapy water. This will prevent the dust from flying, and will also produce a finer polish.
Aever let regetables stand in the the moment they are done, and dress In order to free a room from unpleasant odors boil mixed spices in rinegar iwenty minutes or longer. If enough are used they will destroy all unpleas nt scents, even such as fried fish, delightful and invigorating fragrance. ras J P Mckivtosh

CROCHETED PINCUSHION-COVER
Here is a pretty as well as an easy
attern which I think all will like. It may be made large enough for an organ-stool cover, or used for other poses each time and keeping the 2 tr for an
open space between. Finish with any open space between. Finish with any
little edge; if preferred, the wheels may little edge; if preferred, the wheels may
be made small, having four or five be made small, having four or five
blocks in the triangle and joined together.

Nadim M.

## RECEIPT FOR CURRANT WINE

The currants should be quite ripe and dry when picked. Stem, mash and strain them, adding half a pint of water and rather less than one pound of sugar to every quart of fruit. Stir them well together, and pour into a clean cask, leaving the bung-hole open or corered with a piece of very thin material. It when it will be ready for bottling.

## THE FOUR BIG BROOMS

## "Oh, mother, why does the hig And rattle the window-pane? And rattere the wludoww-pane?

 If I close my eyes to sleIt wakes me up again;

## If I bide my bead beneath t Yon speak so soft and low

Tbat I camot hear what you b
Ob, why does the hig wind hlow?
"Let us play, my darling, a merry play, The winds are four hig hrooms
That sweep the world on a windy day That sweep the wortd on a
As Mary streeps our rooms. The south wind is the parlor hrus That swerps in a quict way ut the north wind comes with rour and rush "Llke Mary sweephg the halls and stairs
Is the work of the good west hroom, Is the work of the good west hroom,
And the sweetest odors, the softest air FIoat over the world's wide roon But to-ulght the broom from the
And with it comes the rifin, Like John, when he hrushes the forch, my dear,

Sie little boy langhed and hudded close In hls warm and downy bed.
I bear the broon, and I hear the bose, And I like them hoth," he s:lid. And so, though the rain maty pelt And the hig wind loudly rour and thinks of the big hrooms four:


## POISONOUS PLANTS

sad case of poisoning has just occurred in this vicinity, which has forcibly brought to my
mind the importance of teaching the children to never eat or even touch truit, Hower
or plant with which they or plant with which they case above mentioned the family had just moved to the country from the city. The children werc delighted with the change, and spent most of their about and gathering wild flowers. about. and gathering wild fowers. Ar-
ter a few days one of the little girls was taken suddenly ill, suffered excruciating pains, and when a physician was called he pronounced it a case of
poisoning. In a few hours the child died. A day or two afterward a younger child was taken sick with the same symptoms. A physician was
called at once, and by prompt measures the life of this little one is now thought to be out of danger. It is not known what plant these children ate that us that noxious plants are many, and some of them can be distinguished from harmless varieties only by botamists is to eat nothing and liandle nothing when in the fields or woods unless sure hat it is harmless in its character sembles the honey-locust, both bearin a pod which is very similar. The pod of the honey-locust is sweet, and is often eaten by children, while the
leaves, blossoms and pods of the cotfeetree, which blooms about the same time as the locust, are poisonous. The blossoms of the coffee-tree are yellow and lack the fragrance of locust-blossoms. The parsley family of plants ha sonve members which are harmless, bu acrid-narcotic properties, especially in the root, and ceases of poisoning occur every year from this plant. The flowers are much alike in all, borne in and in many cases the poisonous varieties are hard to distinguish It is safest to make no experiments, but let the whole family alone, except t.he memers planted and grown False hellebore is another plant that has been responsible for a number of cases of poisoning. It grows in low
places, and is mistaken for marsh-margold, which is often used for "greens" in the spring, under the name cowslip. Besides the great number of poison ous plants there are many poisonous fungi, which every year cause deaths by This question was considered so important that a few years ago the botanis of the United States Department of Agriculture issued an illustrated pamphlet treating on mushrooms. In this erers is to learn thoroughly to know one or two well-defined species of edible fungi, and confine themselves to these leaving all experiments to scientists.

Of the plants which poison by conir, or poisoll-oak, as it is sometimes called, and the poison-sumach. Both belong to the Caskew family. 'The poison-ivy is a climbing or trailing poison-iry is a chang rariable, three-toliate plant, having rariable, and greenish white flowers which appear in June Thite flowers which appear a smooth, waxy berry, often remains on the plant until winter. Th poison-iry can be easily distinguished from the Virginia creeper, as the latter has five leaflets instead of three. Pois on-sumach is a shrub instead of a vine and has long, pinnate leaves with from seven to thirteen leaflets. It grows in low, swampy places, and is the most poisonous species.
It is a grood plan to wash the face and hands with strong soap-suds or am-monia-water whenever one has been in the fields or woods. The best remedy for poisoning by touch is a mixture of soap liniment and oil of sassafras, which any druggist will prepare. If this is used before the irruption appears it will prevent it, and afterward will lill the poison. It is well to take a few doses of Rochelle salts if the irruption has appeared. Maida McL.

## honey and its adulteration

Honey sold in the comb is usually free from adulteration, as the manufacture of artificial comb from paraffin is too difficult to leave a margin for profit. But the case is quite different with extracted honey, and no article of food is more generally adulterated. The adulterations with glucose, cane-sugar and water are generally harmless, but frandulent, and the affixed labels of "pure" honey are in the majority of samples misleading. The detection of adulteration is easy, as pure honey, with rare exceptions, polarizes light, turning the plane to the left, in variation from two and one half degrees to serenteen degrees, while glucose turns the plane of polarization to the right. An interesting exception to this rule or law occurred in connection with some honey, claimed to be absolutely pure, which was the product of bees that had supposedly fed upon the exudation
from pine, pine-leaves and wild blackfrom pine, pine-leaves and wild
cherry trees. Mary Wager Fisher.

## A SUMMER IDYLL

Last summer 1 received a letter from a triend living only a few miles from the city, asking me to come and pay
her a two-days' visit, appointing the second of August as the evening upon which I should come. Near the close of the letter she wrote, "On the afternoon of the third of August I am to noon of the third of August 1 am to church, and 1 want you to say something; anything you choose will be acthing; anything you choose will be achad one organization for old and young -home and foreígn mission work-as it was all they thought best to have.
The thought of a few hours in the great farm-house of my friend or under the trees and by the beautiful little brook was pleasant, the country wooed me so, that for the time I felt little responsibility about the missionary meeting. As it neared the second of August I began to wonder what mesI thought of borrowing some of the good papers we had had in our own societies, such as "The Will You?" paper, or "The Burial of Christ," or "Missions in Easter," or the "Orchestra Paper," but I did not

The third of August brought an early dinner at the farm-house. The morning had been spent in getting ready for the afternoon company, for tea was always served by the hostess at those meetings. Nothing was too much trouble. The house and tables were decorated with beautiful garden flowers, like the annuals that grew in our old home gardens, pretty china and glass and silver were brought out, and damask that would ornament any city table. The missionary societs seemed to hold a place of honor with every oue it was time for the people to start from their various farms a terrific thundertheir various farms a terrific thunderthe rain did not cease until nearly dark I began to feel sorry for the hostess,
supposing no onc could come, as there was only one woman living near enough two oclock that woung came Her mame was Mrs. Buckbee, but they called hame "Pas Mrs. Buckbee, but they called her "Ieggy" Buckbee. Her hair was
combed very smoothly, her cotton dress was clean, and her full blue-checked gingham apron was so faultlessly gingham apron was so faultessiy The athers began to drive up, until The athers began to drive up, until
there were forty there. The were forty there
The women took off their bonnets for they were going to sew on home-
mission work until four, and then they mission work until tour, and then they were to stay to tea besides. It was
very dark for sewing, but one good woman said, "We would not sit idle at home all the afternoon," so moved her chair to the porch; and others found
light in one way or another. While they sewed one could hear in the aside talks of the large bakings and ironings that lad been done before coming, and I was constantly impressed with the idea that they thought it was worth while to come to a missionary meeting.
At four there was prayer and praise, Bible-reading and reports. I told them of a question once asked me, "Do I owe anybody anything?" I suggested that whoever needed anything we could do or give was our neighbor; that beginning with those nearest, we should give cheer, helpful words, time, money as the need might be and as we could, and so reacking to the regions beyond we should never lose sight of the question nor could we escape the responsibility of making suitable answer.
I told them of a good man and his wife who came to our village from a farm, and who felt so lonely that one day the man came to my mother, who was the village doctor's wife, and asked, "What way do neighborhood lines run in villages?

a very abun-
daut supper was daintily served. Later, when the guests had gone and the my hostess. I told her how much I had enjoyed the Christian spirit and real fellowship manifested, but I said I thought the suppers (if yours is a sample) must be very expensive. She interrupted me with, "Why not give it to the poor?" I begged her to torgive
the Judas thought, for I realized just the Judas thought, for I realized just then how that supper had been given in honor and service, and I believed,
like the spikenard-box, its aroma would not be lost.
My hostess told me many things of the women, of the Providence that brought their gifted president to them: but I was especially moved by the story of "Peggy" Buckbee. What a recent writer has said of another so well tells her story that I copy: "Here also are parents who have loved books and hungered for beauty, yet in youth were deried education, and who went all their lives through concealing a secret hunger and ambition, but who deter mined that their children should neve want for an education, and so they My a vicarious sacrifice of love."
My hostess told me that Mr. and Mrs Buckbee had never owned any land, but had always lived in a tenant-house and
worked for a farmer, and worked faithtully. They had never had any money with which to help educate their daughter beyond the district school, though she was unusually bright, but they had given her her time and helped plan ways that she could help herself, and year of being through college.
My hostess also said the neighbors criticise the daughter severely because she does not give up study and help her I think thoush th she is through her salary will help them
der, then drain them, trim off the tops of the leaves, partly cut the artichokes through the center, and remove the chrough the center, and remove the lest they become cold. Lay them in a pan, season with salt, pepper and good pan, season with salt, pepper and good
butter, cover the pan with a lid, and set butter, cover the pan with a lid, and set
to cook in a moderate oren for twentyto cook in a moderate oven for twenty-
five minutes. Take it out, place the five minutes. Take it out, place the
artichokes in a deep dish, and serve with any desired sauce

Ella Bartlett Simmons.

## CROCHETED FAN LACE

First row-Ch 20 st, 2 tr, ch 2 , skip 3 are 4 , ch 1 tr, ch 1 ; repeat until there 2, 2 tr , ch 3 . Turn.
Second row-Ch 2 tr, eh tr under each ch 1 of
Turn, ch 3 .
Third row-2 tr, ch 3, 4 tr with 1 ch between each tr in center of tr in preFourth row-Like second row; ch 6, fasten on third row. Turn. Fifth row-12 tr under ch 6; finish like first row.
It is useless to give direction for tops, as any one can very readily see how the little fans are made.
Sixth row- $12 \mathrm{tr}, 1$ ch between each under 12 tr of previous row. Turn, 2
knots, fasten in first ch, 2 knots, fasten knots, fasten in first ch, 2 kn
in next st; repeat ten times.
in next st; repeat ten times. in center of 2 knots of previous row; repeat around scallop.
The edge consists of little fans made as follows on first knot. Turn, 2 tr under each ch. Turn, ch 3,1 s e under each $\operatorname{tr}$, fasten in next knot; repeat fire times.
[HOUSEHOLD CONCLUDED ON PAGE 17]


He lamp nearly slipped from her grasp when Mrs. Wheeler hecame really goue. She dropped into a cbair, corering her face with her hands, and tried to think that
she had put the roll of bills someWhere else.
"No," she
she repeated to herself "I purt the woney in the toe
of those hlack stockings, and rolled them together just as I alWays do, and then placed them in the lowe
corner of the drawer, 'way to the hack side. She rose and came to the lureau, and hegan to tumhle alout the coutents of the drawe tainly gone! Why, the stockings and all are gone! What will the children say? Oh, what shall I do? Why can't I fud it? Who could She was gone so long that Jessle came the stairway and called her mother. But Mrs. Wheeler was so distraught that she
failed to hear her daughter. Jessle then came hurrying up to the room.
"Oh, my child I're lost that gone! I cannot fud it!",
"Lost the money! Mama-no!"
Jessie flew to her in despair.
"Oh, surely we can find it!", the girl continued. "Where did you put it? You have forgotteu! Think, mama!
"I bave tried to
there! I rolled it up in the stockings and hid them a way there
"Stockings?"
"Stockings?" questioned Jessie. this morning I put it in there.
"Oh, mama, ther're down-stairs! I carried them there only a few minutes ago, to mend in her haste to find thelr little store of
Mrs. Wheeler followed as rapidly as she duld. They searcely hreathed for the hope that was given them. Craig had caught the them as they came into the room. "What is it?" he asked, almo
he tried to seize Jessie's arm.
"Oh, nothing-nothing!" she repeated, eludlng him and fiving to her work-hasket.
But he guessed it But he guessed it all from their manner The moues was gone: The hegiunings of that hard, fatalistic laugh came from his throat.
If they were having hard luck, more was to follow. It was a mockery hexpect anything and fought hard agaiust; still it would master him at times. "Here it is, mama: The mouey is all safe I hadn't unrolled the stocklugs yet?" cried of bills in the other
mother, and she silently hreathed a prayer of thanksgiving.
"Did you think you had lost the money? Oh, that would have heen too had!', declared
Mr. At kinson, in a voice of genuine ssmpathy.
"Here, Craig," said his mother, "you count the enoner. Yes," she added, turning to their
guest with an explanation of the whole affalr. She and Jessie laughed, and the tears fllled their eyes in turn, as they told what a fright
they had giveu theuselves. Even Craig had they had giveu thenselves. grean dificulty in counting the mouer, for the treuor iu his unother's roiee made his own
eges fill, so that tens looked like twenties, and the twentles becanc two hundred, with four X's in the other corners. But at last
he lad jnst a hundred and five dollars laid out in a pile. Then he did some figuriug on a
"There $\begin{aligned} & \text { rill } \\ & \text { he } \\ & \text { he } \\ & \text { compound interest for sis }\end{aligned}$ weeks,", he said, turning to Alr. Atkinson.
"Never mind that,", said the maun of husl-
ness. He had resolved that if the New York ness. He latd resolved that if the New York
hank insisted on this he would pay it himself and say uothing to the Wheelers of the mat
"That will be ninetr-t two cents," eontlnued "I think we shall he ahle to meet every ohli-
gation. The next luterest will he due in Octoler. 1 hope to make a reduction of the
priucipal at that time." Mr. Atkinson liked the boy's husinessllke expressions, and left him have his way, as
ter exannining the figures. Craig's qulet ln.
dependeucee was yery pleasing to the man,
aud he mentally promised himself that the aud he mentally promised himself that the
lad should be no loser if he could help bin in
any ayy way. He prolouged his call to discuss
Craigs planes with him, and gave him some good adice tegarding the projects he had
minde wheelers regretted very much to part with Praneer, because he had heru so long
on the place. But as the horse weut lnto on the place. But as the horse weut into
good bands, and was to remain so near, part-
lug from him was made ensler. Besides, Mr.

Atklnson agreed with them that it would have heen vers unwise under the circumAlthough the sept him. could not he looked upou exactly iu the light of galn, there had heen a distinct improvement in their affairs in the last mouth. Jes-
sie hrought out the little book where she sie hrought out the little book where she
kept the dehits and. credlts of "Wheelers kept the dehits and. credits of "Wheelers
Welcome," and forced a balauce in the four weeks' transactions. Charging tbemselres market prices for the eggs and cream and forty dollars which their lahor had earned As they had evers reason to think that the next three months at least would prove equally profitahle, there was much grouud for congratulation and rejoiclng.
By the first of July all the Hillsborough dehts had heen paid, and there only remained
the mortgage, with its lnterest due semithe mortgage, with its interest due semiannually, to contend against.
This month marked the height of the recreatlon season. As ret they had heeu called upon only twice to keep travelers over night. But one warm afteruoon, when Jessie was
helplng some Hillshorough girls to ices, three tourists from the rest came rollug into the grounds on their wheels. The great bicycle sign at the gate never falled to attract the
attention of passers-hy, and when their eres once llghted on the cool, well-kept yard within it was well nigh impossible to ride by; one must stop if
Jessle was quick to guess the relationship that existed hetween members of the little parties that came to her tables.
"Father and mother and daughter," she decided, as the new-comers pushed their wheels into racks and selected restful plaees for their tired bodies. Jessie never forced herself
upon her guests, hut she was alwars quick to upon her guests, hut she was always quick to
note the first sign if anything was wauted. "They have come from a long distance," she reflected, looklng critically at
suspended from the handle-hars.
After a tlme she approached them hospitahly. "You find it rather dusts, I should judge," she sald, with a pleasant smile
"Dusty! And so hilly!" replied the woman. Why, we haven't come half the distance we calculated to, and I am completely tlred out!", "How far is it to the next town-Hillshorough, isn't it?" inquired the man.
"Yes; ten miles," Jessie answered
declared his wife. "Isn't tbere that far!" couldn't you keep us over night?" turning quickly to their young hostess.

## "Then we must stay, papa."

daded the daughter. "Oh, I think it is so pretty here! You must were such pretty. Biems there hy the river more than two pictures to-day.
The man had been fanning himself rigor-
"I helieve I'm cool eunough so I dare have some cream. Don't you and Maud want some?" he asked.
declared his wife, looking ant and declared his wife, looking at her hands. "Isn't there some place, Miss-"
"Yes," answered Jessle.
name," she added, leading the way to the name," she added, leading the way to the
house. "Wheeler! Why, of course; we read it on
"W "Wheeler! Whr, of course;
"But I thought that meant hicscle-rlders "It does," answered Jessie. "It stands for " bo his heary bass Good enourgh!', he cried, in work fully. "Now, a good way to introduce ourselves would he to register. Does 'Wheelers Welco
name iu dust stand still, and ril write ou

## "In dust-Dustin

"'Dust on Dustlu!"' cried Maud, explosirely, hrushing the sand in a clond from her
"That's it!' That's it! Our name lends itself
to punning, too. Miss Wheeler, make yon acquainted witb uy wife, Mrs. Dustin, and our daughter, Maud. You and I don't require an introduction. We're already aequainted," he said, with a comieal twiukle in his eye
Jessie tuought them yery jolly people. Ther quiekly made themselves at home at had come to like the place so well that they was goiug to Hillsborough that evening, so they gave him checks for some hundles which had been sent ahead by express, and asked
him to get them and hriug them home with him

Cralg had told them there were rery prett,
views to he obtained, aud they took a luneh, iutending to go as far at Wishwash lake.
Mrs. Dustin remaiued at the Wheelers', for she was rery tired. Late in the afternoon she saw her hushaud comiug up the path, and went to mept him.
"Where is Maud?" she asked.
"Maud? Isu't she here?"

## what?

"No," repeated Mrs. Dustin.
"She sight of the at noon, when we were with ing here."
"Papa, rou're trying to frighten me!" sald
"Isn't Maud here?" he asked, very soherly "No," she replied, with an excited tremor In her roice.
"Then she
"Then she has lost her was," he said, trylug to control his alarm, as he looked hack toward the darkening forest.

## Chapter vil.

The fact that Maud was lost somewhere in the wroods and night coming on threw the up from the field, and he and Mr. Dustin started at ouce in search of the lost girl Jessie went across the farm to Hunter's, to make inquiry there, and start them to look ing for her, also, should there he need. Craig and Jessie had a code of signals with the if Maud returned to the house or was found at Huuter's.
Lou say she started to return when within ight of the house $?$,' asked Craig, as he and "Yes," replied the father; "we had tramped about for several hours, and Maud was rery tired. When we saw the house so near I told her she could go home. I wanted to go along the shore of the lake and get one
"How far were you from the lake then?" Craig iuquired.

## "Why, we were right on the shore of the

 lakc.""Then it wasn't our house that you saw. are hills and woods hetween that completely shut out the view."
"Is it possible!" exclaimed Jir. Dustin. " saw the house myself, and can scarcely he-
lieve it. It certaiuly was rery much like yours, both the house aud the outhuildiugswhy, the windmill, too, I rememher, was like yours!"
"Yes, there is such a place. Mr. Norton lives there. Our best plau is to cut through
these woods to the shore of the lake-it is the these woods to the shore of the lake-it is the shortcst way-and then go right to the honse, We shall probahly find your daughter there.
"Oh, I do hope so! Certainly no hariu can come to her! Whatever house she should go to she would he treated kiudly!"
"Indeed she would," answ
"There is no person or thing in this regio. "There is no person or thing in this region
that one need he afraid of." that one need he afraid of."
"I wish her mother could realize that," said the father. "She will suffer agouies till Maud is found. She cannot think of her ex cept as a rery little girl. Why, the child is fourteeu-most old euough to look out for herself, I should say.
Still the father's voice betrayed his own anxiety. They were going through the woods
rapidly, much of the way ou the ruu. Craig led. Now and then they stopped for just an instaut, listened, shouted, aud listened again. There was never auy reply. Then they pushed forward with greatr stides. Night as fast overtakiug theu.
At last the two emerged from the forest and stood upou the shore of the lake. Mr.
Dustin poiuted out the house whis h, he and Maud had mistaken for the Wheeler home. "Yes, that is Mr. Norton's," sitid Craig. We will go there at ouce and inquire.
and he set off along the shore of the lake. "Why do you go that way?" asked Mr.
Dustin. "It is nearer up through here, the way that Mand went." " "Tou canuot reach the house that way," answered Crnig. "Tbe creek flows just this If we follow the shore aud decp to cross If we follow the shore here for a short dis tance we whin strie ther where there foot-hridge over at all. But we had better so aud iupulre" This ner diselosure took away the little hope which they had had. It was now quite dark. Stars were showing themselves with inereasing spludor in the sly ahove, and a
few were brilliant enough to reflect in the smonth water of the lake.
Craig kuocked at the back door of the farm-
house and made known their errand. Ars. Nortou aud her daughters were alone in the house; the men of the family had uot yet
returned from town. No girl answering to that day. aciteneut when they learned the whole story. Mrs. Norton came into the opeu air with a lamp above ber head and peered ahou in the night, expressing a kcen sympathy for to join iu the search, but Mr. Dustin, thank ing them, would not permit this, for he was certain that Mand had found her way to some

Craig and the anxlous father retraced thelr for the house, and there tried thad ret ous on followed on discorering that be likely to hare her way. If she had goue down the strean hridge, aud so have reached the house. They decided that she must have gone up the stream,
It roas uow so dark in the forest that they could make their way only at a walk. Whenthes left its bauks aud inquired after the mlssing girl. Thus Craig led the way toward
his home. It was nearly midnight wheu they rest out upou the road, half a mile to the hurning in the house. Suddenly, as they looked, the farm-hell soluded ou the still night air.
"Hark!" said Craig; aud the two stopped
in their tracks to listeu. in their tracks to listeu.
"Ding, dong!" Silence. "Ding!" All was "Dill for dong!" It was the signal strokes, his sister had agreed upon.
"She is fould! They have found her! They have found her!" cried the excited boy; and hoth set off on a run for the bouse.
Thes reached there found the unissing girl safe in her mother's arms. Haud had made her way hack alone resting and eating a hite she told her story. "Why, papa," she said, "I went up toward the house and came to a creek and couldn't get across. Then I saw it wasn't tbelr wouse," turning toward the Wheelers. "It ried to go back to you; hut you were gone, and I couldu't find sou any where. I called "I didn't hear you," said the father, sadly. woarse! Then I remembered that the creek followed it hack I could get home. So I tried to find the creek agaln. I huuted and hunted, "My child!", exclaimed Mrs. Dustin, draw.
ing her closer.
"But I'm all right now, mama! By and by I hunted some more, aud theu I found the
creek. It was awfully dark then, and I was afraid; hut I followed the creek, oh, ever so Then I was all right! oh, but r'm tired!" "We'll go right to. hed at once," sald the mother, "and you can rest as late as you're a mind to in the mornlug. Can't she, Mrs. Wheeler:

This mishap of Maud's brought the two families very close together, and uany conances were exchang casbie promise to write to him if he ever had any trouhle with the parties holding the claim on "Wheelers Welcome." "I shall he glad to The you in the matter if I can, he said. The Dustins prolonged their stay until the folmonis week. Maud and Jessle hecame work was play for the rouuger girl, and she entered iuto it with great zest. She was never so happy as when arranging the table hrushing the crumbs after some patron had goue, or waiting upou others when Jessie had her hands full.
This help gave Jessie some liberty, aud now and then she joined the others in their croquet gaules. Occasiollally there was an hour then irs. Wheeler took charge of the work, aud then the two girls treated themselves to
a tramp afield. Maud was rery careful ahout a tramp afield. Maud was rery carefil ahout
renturing far frou her frieud, for she had renturing far frou her frieud, for she had no desire to repeat the ex
time wibeu she hecaune lost.
Mr. Dustiu wished to develop some of the iews which he had taken since leariug home, hiur, he had but to find a place light, tlght and free of dust. With Craig's permission aud assistauce be transforued a corver of the shed iuto a darkClear, running water was liad throingh the aid of the windmill and a length of gardeu hose. A ruhy light was improrised, as were may other essentials to good work. But Mr. Dus. thin was a man of resources, and iu the eud the results which he obtaiued
Craig was vers much interested in the differeut processes from first to last, aud suatched mauy moments from his duties, without neg-
lecting them, in which to watch Mr. Dnstin at his work. The latter was pleased with the interest whlel Craig manifested, and took pains to explain each step as be went along. imusem would ever come when he could permit himself to enjoy such pleasures.

## Chapter Vili.

Craig had the faru-work so well in hand
at this time that he decided to gire himself a holidor. that therning's done he harnessed Mollie to the buggs, and
he aud Mr. Dustin drove to the Norton place.

Of course, they had to tell Mand's experien
dnring the hours when she was lost hat
woods. Then they borrowed Mr. Norton boat, after putting Mollie in the barn, and
went for a row and a fish on Wishwish lake. went for a row and a fish on Wishwish lake.
The sky was hearily orereast with clouds, The sky was hearily orercast with clouds,
and it looked as if rain might fall any minnte. There was but very little wind stirring,
and the lake received the boat with scarcely a ripple on its dark, leaden surface. Craig
declared if there were any fish at all in the water they should bite on such a dily as this,
And, indeed, they were quite suceessful With their hooks and lines. The small fish
they returned to the lake, but at noon Craig had taken two that weighed a ponad apiece, and Mr. Dustin had They had brought a lunch with them, and this they ate on the grassy shore
at the farther side of Wishwash lakse in the afternoon they were even more fortumate
with their lincs, and at mlsht carrioed thone a fine string of fish,
On Snuday the Dustins and the Wheelers
attended services in the little white church at the Corners. The Wheelers wout whth thelr buggy; but Mollte was hardly equal to
drawing all, so the Dustlus rode their wheels. drawing all, so the Dusthns rode thein wheels.
Mr. Dustin was an otheer in an Sunday-school in Chlago. and when ealled upon by the a breezy, checrful way that was helpful aud When they retn
young men from Hillstorongb resting in the fara, with their wheels leaning against the Weleoue" a few days previonsly, and they its belng a place of refreshment gone. Cralg explained that they dua not do business on the Sabbath; he did it in a rery nice way,
making no parade of his piety. But Mrs. Wheeler, knowing that the two had come far, to eat, unless she fed them, invited them in had dressed the fish the niglit beforc, and placed then ou ice, and there mas an abuudance for all.
When they came to leare they made as if wonld take nothing. They were greatly nonplussed at thils, and at a loss how to act, for
they were self-respecting fellows. But their they were self-respecting fellows. But then hostess made known heer in disming them without any of-

This, however, was not the end of the matter. On the following Suuday the super-
latendent of the llttle school at the Corners read an anonymons letter which he had recelved durlug the week, inclosing a dollar Wheelers quite understood it, aud they said

## nothlng.

"Your Sunday-school will please use the $\ln$ pay for a lesson in Sabbath-keeping tanght
That was all.
Monday mornlug the Dustins resumed their racatlou trlp. The two families' parted with real regret and expressions of hope that the future might hold other meetings in store for them. Craig carried their Inggage to Hillsborough, and there it was ehecked to the next stopping-place.
Mr. Dustin
Mr. Dustin had wanted half a dozeu good
farm views, and he had taken as nany about farm views, and he had taken as many about
the wheeler place. He finished np one of each the Wheeler place. He tinished np one of each
of these, which he left with thelr hostess as remembrances of the delightful sojourn with remembrances of the dighe Besides these there wals a sung little
them. sum of money-the usnal rates at "Wheelers the interest due in October.
Hay barvest was now upou them, and for There were several acres of grass to cut and cure, then haul to the barn and mow a way. He began as early as possible, in hopes of
dolug all the work himself, and thus saving dolug all the work himself, and
the expense of birlng asslstance.
"Hello, litte boss! eried some one from the fence, as Craig was driving dowu one
slde of the field with Mollie harnessed to the slde of the held with Molle harnessed to the great that Craig failed to hear the salntation; bnt he diseovered Frazer waving his hand, "Ye'll ueed some help on that job, I reckbefore him.
"I shall get along all right alone till I come to mow It "ay," answered Craig, wipiug the
perspirat a from hls brow. "Maybe I shall have $t$, Hire some one then.
"Now, see here, little boss," began Jack,
"I've ;ot to have some help, too. My boss, he's been called to sit on jury down to Hillshorough. We expeeted an man to come this
mornta', hut he disappointed ns. An' Hunter Craig wheeler. He's as good as a man in the fidd, says he. Now, here's two hay-
fields ibout the same size, and we're each done : bout the same amount of work in 'em.
Now, If you'll come over an' help me finish mine, 'Il return the favor. I'lu take Praucer What a'ye say, little boss?
to the proposition at once. The rails of the fence 'vere aceordingly parted and he drove
Mollie nad the mower into the tield which hed Mollie nud the nower into the field which had
heen leascd to Mr. Hunter. There he fol- forth to view the damage it had done. The lowed Jack and Prancer witl the mower, and
the work which would have taken a horse
and a mau : whole day to pertorm was come pleted by the double force in the forenoon. In the afternoon they turned the hay or
and spread It out to dry lu the sunshine next morning the two went into Craig's dield with their machines and cut the tall grass lot. That on Hnnter's land was ready first lo go into the baru.
It wass Friday before Craig was ready to
hand his hay: The day had becil intensely hot. Great uasses of fleecy elonds floated lazily across the eskj. Thus far the weathe
had been tiue, but that mornng it began to look threatening. and by the middle of the afternoon a leary shower serucd inevitable wipe the perspiration trom thelr fares they Wipe the perspiration trom thelr faces they
looked at the heavens and calcuated the prohability of getting through hefore a storm Iroke upon them. The hay had been put into pitehed upon the wagon. vot more than two loads remained to be hanled to the barn
when the elouds gathered $\ln$ a solld black expanse across the whole western sky.
"l'm afraid we can't do it, little boss,", said Frazer, as it began to grow dark,
"lt whll spoil what remains out
"lt whll spoil what remains out," declared Craig. looking hopelessly at the coming storm
They worked like beavers. The lightnlug They worked like beavers. The lightnlug
cut blinding lines across the black wall that cut blinding lines across tbe black wall that
rose higher and higher out of the west. The thunder rolled over the earth, echoing and reechoing among the wooded hills.
For a monent the elements. preserved an
minons silence. Cralg worked doggedy, without speakiug. He was downeast because of the loss that threatened him.
"Qnick! Now for the barn!", cried Frazer. "We"ll have just thme to get this load mnder
cover! Get up there, Mollic! Go on, Pran-

Frazer was on the load and drove through the open doors into the barn. Craig, with
fork over his shoulder, paused a moment ninlork over his shoulder, paused a moment min-
der the great elm, which stood near, and ooked back over the fallug. llke a vast dis veil let down from the clonds.
Jessie hiad seen the stortu coming, and worked hard to be prepared for it. Chairs were hurried into the house, the awning was
taken dowu, the hammocks unfastened and rolled np with it, and all bundled under shel ter, and the table in the yard was stripped of its decoratlons and carried indoors.
Three strangers
Three strangers rode np breathlessly on their wheels as the last article was pnt nnder cover, and these were invlted into the "I woul
I wonder where Cralg is?" said hls slster, has ont. Oh, I do hope he has it nearly all in has ont.
the barn!
Jessie ran to the back door to see if she
conld discover aught of her brother. The rain was alreaught of her brother. The Aeross the fields it conld be seen gllding toward the honse in the form of mighty sheets gray and tattered.
Now the storm broke over them, with all its
finy. Jessie caught a single glimpse of firy. Jessie caught a single glimpse of Craig In the barn and knew that be was under shel . The great trees were thrasbing about writhing and twisting nuder the fierce on-
slanght. Wind and rain heat upon the earth slanght. Wind and rain heat upon the earth in gusts, each succeeding one more terrible
than the other. An awful din was everywhere.

Half an hour it lasted. Then there was an abatement of wind and rain, hut the terror. Jessie had worked herself into a higl state of nervous excitement. As she looked from the kitchen door suddenly there came a blinding fash, theu a crash, like a milliou boards reuding and talling about her.
She had scen the lightuing in a fiery streak descend over the barn. "Craig! Oh, Craig!" Jessie cried, and ran into the storm. "He i killed! I know he is killed!"
On the way to the barn her foot slipped, black abont her, With a little cry she fell unconsclons in
stable door.

## Chapter ix.

The thunderbolt which had drawu Jessie from the honse did not strike the barn, as sbe had thought, bnt descended upou the largest himbs, casting it apon the hillside. "That was a close call for us, little boss." aid Jack, his face no less white than Craig's For a moment they stood in the door looking upon the ruin it had wronght. Then Craig crossed the barn to glauee toward the
house to see how his mother and sister took the awful storm. He reached the opposite door just in time to see Jessie fall uncon scions npon the wet and soaking earth.
Craig flew to her at onee, and lifting th slender form in his arms, bore his sister to duration. When slie learned that Craig was nuinjured her recorery was rapid, and she soon felt like scolding herself for making
more tronble when it seemed as if they had nongh alreads
The storm had passed now, and Craig weut
srat blcyele and the sign of "Wheelers Wel-
"ome" hald beren hlown down. The eorn in
the level-five lot which bad been up to bis shoulders, lay bowed hefore the awful wind His hay-coeks were drenched, and each resemt of might not be altogether a ruined. To-morrow he would spread it ont again, and leave it
to dry once more. The corn, too, would straighten up, in
There would
There would be no time to go to Hillsborough the next day to do their saturday's
marketing, hat there were a few things that marketing, hut there were a few hings that
they must have. They could be purchased uake tbe trip after supper. In the meantin uake the trlp after supper. In the meantime conld make the repairs on the sign, aud put that in shape to haug in position carly on After he had mulked the fonr cows and had his supper Craig harnessed Mollie to the
buggy and started for the Conners. The evening was full of beanty. The smin hat gone down with fiery splendor hin the north-
west, the storn had rolled itsclf mp like a west, the storn had rolled itsclf np like a purple mantle in the east, and then with-
drawn below the horizon, taking every cloud drawn below the horizon, taking every cloud
from the sky. Birds were pouring forth their last songs in the soft, shadowless light, and pare since thi" bath of the afternoo
They were jnst llghting the keroscue-launs in the store at the Corners when Craig standing abont, talking over the storm: harn belonglug to one had been struck by lightning and lmrned to the gronnd. 'There been, with hls hay out. He lingered for a few minntes listening to the conversation, and in response to questions reported the damage bat had been done in his neighborhood. Mollie had worked hard the last few days, so did not travel with the spirit she usually
displayed. Craig allowed her to choose her own gait, and most of the way she plodded aloug scarcely better than a walk. The steep, clay hills were slippery aud had to be deery still. The ouly sounds whieb reached Craig's cars were the regular phnk, plnk, of Mollie's hoofs in the mad, ehanged now and then to plash, swish, plash, as she plunged into some lingering pool. Along a certain piece of the road two of the sfeepest hills had the hollow that lutervencd. For a ${ }^{\rho}$ short disance a wall of many feet rose on either side; then this dropped away into the eartb narrow, precipitons embaukment high above the surrounding country
Cratg was thinking of Jessie as he drove fainting, believing he had been killed, His home and home-llfe were vers dear to him, and he trusted the day might soon come wben be could remove the mortgage that hung like threatening cloud above tbem. The rest with mother and the sister after a bard day's work was rery sweet. Being. in a way, the head of the family, he experienced a feeling of pride and possession that was a real joy.
He came from his reverie with a start. He came from his rev
What was that-a groau?
He listened. All was still. Had he hee He listened. All was still. Had he heen
mistaken? No. Far down the embankment mistaken? No. Far down the embankment
cane a moan now, and words that were groans, "Oh, dear! Oh, dear!"' sprang from the bugg, and made his way, leaping, falling throngh the dark, to the lowland beneath. Stnmbling throngh the underhrush he presently fell over a bicycle.
This explained to him, in a measure, the nature of the mlshap. Ginided by the moaning, in another moment he bent above the body of a boy two or three years yonuger than himself.
Craig spoke to the lad, but conld get no answer other than moans, A moment be
reflected, then lifted the meonseions formreflected, then lifted the meonseions form-
the second his arms had borue that day-and the second his arms had
It was nine o'clock when he reached home with his helpless charge. Bnt Mollie was not to rest then; a doctor must be had from
Hillsborongh. Half a mile west of Wheelers' Hillsborongh. Half a mile west of Wheelers
lived Judge Wentworth, and his fine residence was connected with town by telephone. Thither Craig went to summon the physician. It was midnight when Dr. Orland arrived. but was suffiering greatly. There were no that the spine had been severely injured. After administering a quieting drng the doc-
tor left, promlsing to call during the dar. tor left, promlsing to call during the dar.
That night hronght little rest to the farm
In the middle of the forenoon Mrs. Whellar came with an egg and some toast for the er. "If you will eat a little," she said, "I think it will do you good. Let me sit here He made no reply, but opened his month for the food when she presented it. Only
two or three swallows, howerer, wonld he take. He lay perfectly motionless in the bed, turning his ayes mpon this or that object in
"Shere hetter, she said, smillng. "Oh, If I do not move!
tion of the body kills ne!'
Tears stood in ths eyes
Tear's stood in hls eyes.
"You have fricuds who will be gavlous for your safety. Where wihl we send word to "Father and mother are In Europe. I have pocket-:"
He glanced toward his coat, which lanag on the back of a chair at the foot of the hed.
Mrs. Wheeler inderstood. From thls she that the stranger's name was Arthm Staten, and that he belonged to a wealthy work family.
Later there were moments when the boy
talked quite freely; then be wonld be sizcl talked quite freely; then he wonld be seized with a paroxssm of pain, and hls suffering
would he latense. He begged her, however, not to send word to his uncle till the doctor came again; for he was in hopes to recover without
The Wheelcrs talked low and moved about the honse noiselessly, that Arthur might not work The sigu of "Was overwhelmed with hained In the barn, whither it had heen taken for repairs. Craig labored in the hay-ficld, mother and sister Speculations asers his mother and sister. Speculat
garding the young strauger.
garding the young strauger.
"He wears $\mathfrak{a}$ 'C. C .' pin on his coat," said Jessic to Craig, as the two met a moment at No better recommendation cond Arthnr have bronght to the Whecler home than this. "Oh, but he's hurt awfully!" the girl cou-
tinued. "I feel so sorry for him. Mama thinks it will be a sory for her. Mava get about. Arthur Staten is his name. Hls people are rich; they're in Europe now.
There's one thing-we won't talse any more lodgers so thing-we won't tase any more lodgers so long as he's to stay here.
glad to grant to the injured how glad to grant to the injured hoy
Craig took his sister to the
Craig took his sister to the barn to see Arthur's wheed, which he had bronght home
with him the night before, after telephoning with him the night before, after telephoning np presently, for Jessie had to leare to walt upon two or three strangers who came rlding into the yards on their wheels.
The doetor came in the afternoon and looked very grave
"Am I hurt serionsly?" Arthnr asked, look ing into his face, after the second examina tion.
"You gently, "but it will be some time. Yon had "Thatever is best to be done, my papa gladly pay it all for me." This was said with a quiet assnrance. "I am left with Uncle Morton. Papa and mama are in Europe for the snmmer." Arthur turned to Dr's. Wheeler, who stood hy the bed. "Yon have nucle's address. If the doctor thinks he ought to know, some one can telephone hlm. Bnt Nould rather not trouhle him if I can get well
in a few days. I have money," aud he in a few days. I have money," aud he glanced where his coat had hung.
"I think I had hetter let him know," Dr. Orland said, quietly.
At the outer door' he talked more with Mrs. Wheeler. "His spine has received a severe
strain. It will be weeks and months before strain. It will be weeks and months before
he regains his old strength. I shall come tomorrow with Dr. Chaunces. We must pnt the boy into a plaster jacket. I will tel
ephone his nuele"-he looked at the address she had given hin-"and let yon know what she had given him- The hoy cannot be removed for the present. It would be hetter if be could re main here till he recovers. I could not ask for a hetter unrse than you, Mrs. Wbeeler.
bope his people are rich, for you must not do bope his people are rich, for you must not do
this without some recompense." this without some recompense.
sce the hoy snffer for the want of eare. Of conrse, you know our eircumstances, doctor
I hope I uay do by hin as I would hy my
own son ",

Sun Chapter
Sunday was a long day at the Wheelers Dr. Orland came in the morning with Dr
Channcey, and they put Arthrr in the plaster jacket, as was iutended. The injured lad bore his snfferings very patiently:
Dr. Orland had communicated wlth Arthur's muele, and Mr. Staten was so concerned for the boy's welfare that he was coming West at once. He had told the physlcian to spare no expense iu caring for his uephew, bnt to do all he conld to restore him to a sound
physical condition. The conversation had physical condition. The conversation had
been held over a long-distance telephone, and been held over a long-distance telephone, and
all that Arthur had told them of himself, all that Arthur had told them of himself,
together with much whicb had been snrmised, together with much whicb had been snr
was confined by the New York uncle.
Was contrined by the New York uncle.
In the afternoon Jessie read to Artlinr and helped to pass the weary homrs away. Now that it was impossible for him to more his on the paroxysius by thoughtlessly turning in bed. The injured ligaments forced from activity wonld heal in time: all that Arthur had to do was to lie still and patiently a wait
his recovery. On Tuesday his uncle came, bringlng with him their family physieian, who, after a
careful examination, deelared all was belug
done for the erlppled hoy that could be. In
 Xeew York doetor were ohliged to return to
the city: but first they made erery arravyemeat to meet Arthurs:s neeas.
Each day that followed was vers much like another to the hed-riden boy, hut hils new
friends dia what they could to make the time fis quickly. Mrs. Wheeler was a faithiful nurse, and bestowed a eliother's care ou the ideal invailid. It was rare that he complan ned of anything, and he almays showed a fine appreciation of thelr kinduess.
alwass in the roour where Arthur had his Led. He was sure to hring in with himy the
sunshinue of the fields and the cool breezes of sunsmive of the ritlus and toe coon breezes of
the hills. As Arthur improved the two taiked long of the past and
hopes and ambitions.
hopes and aubititios. Atthur told of the
summer racation which hre had planned, hew he had ridden nearly a thousand miles on bis wheel heforc this mishap befell him. He Lad travelecd and secen muen for a youth of his
searss, and coulla tallk of these things modestly aud eutertaiuingly
the eny she liad a good viere of the front yard, and could hy an momens. notce ir any one stopped for a disis of iee-cream or a drink of
buttermilk. Jessie spoke of the "C.
.
 that day, num siad int inte and slie bad whien they were at school. There wias no young peoples society in the little clurch at
the Corners. They still took the societr's paper, however, and, following its directions,
were reading the Bille through, intending to complete this worthy endearor with the close of the year. "Oh, are you doing that?" exclaimed Ar faithfulls till I was injured."
"I wondered if rou weren't," said Jessie. "Craig found your Bible in the bundle on your handle-bars when he fetched those packets bundle and fell open, with a mark right where we were reading them. If sou would like me. I will read to sou."
much for me now. The doctor said I might hold ansthing rery heary with mr hauds. A Pible with print large enough to see here Would be too heary. I mustn't strain my eyes.
You are 'way ahead of me now, and I couldu't ask you to go back and read your chapters over again. You read so much to "Oh, if you would like to read the chapters
to yourself I can manage it so sou to yourself I can manage it so sou will he
able," replied Jessie, with a happy ring ln able, replied Jessie, with a happy ring in
her roice. "I know where there is a large
Bible that is and the leaves are all loose. Mother says it seeuns wrong to throw away or destroy a scrap of the bible, aud so she always lays I will get it for you, and you can hare oue tire you to hold
was gone only a few to garret. But she is arrfully old," the girl said, as she returned, holding up one of the selow leaves for him but otherrise it is the saune King James' my great-grandfather read in his family suppose, unore thau a hundred years ago." "Oh, it is iudeed old," Arthur answered Will be very eareful of the pages. The type is
queer, but so rery large and plain. I shall queer, but so very large and plain. I shall
not mind the queer ss at all. Thank you.
Haven't you some customers? Haren't you some customers? I thought I
heard voices in the front yard while you Jessir glanced from the window. "Yes; there are two Hillsborough girls. You will
excuse me," and she hurried out to wait upIn thls way the reuraining weeks of July and the whole of Angust slipped away. Ar-
thur stealdy improved. As soon as he conld bandle paper and peueil he wrote, telling his much in these that interested his newly made hy thousinds of miles, throngh Arthur's
respoudence, came to feel acquainted Iu September Arthur had become so much conld walk about the honse and rard. He in a short time, and Dr. Orland thought,
with his father to accomprem return to his houre in New York. Arthur had he should leare forgetting his friends when changed in the future. uusually full. Each day had hrought its the few from the immediate country-side, Who came again and again. Mother and ehil-
dren often talked over the little adrentures appareutly become a worthy citizen; it was
known that he sent money home to his mothers had heen To Arthur staten the WheelCraig noten of incalculahle serrice. Had ditiou the found him that night in his concost him his life
Thus, while the owners of "Wheelers Wel was being brought home to themselves. In the Hillshorough bank tu account was groming steadlly to their eredit. Mr. Stateu was paying them twenty-five dollars a week for the care of Arthur-a large sum it scemed to country-folk-but it was ouls what a nurse would have cost in the great city.
Iu the second week of Septemher Arthur receired a letter announcing the safe arrival his father drove up to the gate of the darm house, haring followed his letter as quickly house, haring followed his letter as quichly
as was possihle. It would be hard to tell which was pleased the most-Mr. Statel with the wheelers, or the wheelers. with $1 r$. Staten. The wealthy New-Yorker was satis fied that his son had had every possible care and that after a most serlous acerident be was well on the road to complete reeovers. Two days be remained with the famils Then, in a light spring-wagon, craig drove father and son to the station in Hillshorough. Arthur did not take his wheel with him, hut asked Craig to accept it as a token of his The bicycle was one of the hest more him The bicycle was one of the hest made, ne dent without an injury. ent without an injury the summer season might their inralid guest closed. "Wheelers Welcorue" continued have a few callers each day, hut these grew regetables iuto the eellar, pieking and paeking apples and cutting up his corn. The sear had been a bountiful one for the farmers. Mrs. Wheeler hegan to look to the future with greater assurance. Gathered iu thei ittle sltting-room as the cold of autumn came n, the family of an evening often held an lmpromptu council. With Craig and Jessie nould tahle porng orer igures, the mother Nould
results.
"Did
Did you say our share from Mr. Huuter Jomid be three hundred dollars?" asked
"Yes; that was the sum he and I arrived he able to pay answered Craig. "We shal Mr. Atkinson comes for it, and besides reduce the mortgage five hundred dollars." "If we could have fire more years as good
as this one!" said Jessie, drawing in her breath with a happy anticipation. breath with a happs anticipation.
"We shall pay the mortgage "We shall pay the mortgage off in that time," said Craig, "even if the years aren so prosperous; there will be less interest to "Isn't that lovels, mama?" said Jessie awhile." ${ }^{\text {Whe }}$ goiug into other hands yet runuiug her fingers through the short curls that corered his handsome head. Her eses were fastened on the fall. "God has heen vers good to us,"
though tears dimmed her vision.

COOLING WATER WITHOUT ICE
When a native in oue of the hoiling-hot hitlie rillages of interior Nicaragua wauts to cally jar ahout two thirds full. Parenthet that requires more energy than any male jar is made of baked clay, and not being gazed is partially porous aud soon become moist on the outside. Two leather straps are these in her hauds she begins to rotate the jar swiftly in the air. The mouth is wide open, but centrifugal attraction kceps the
liquid from flyiug out. The average womau is frail and listless in appearavee hut the endurance $\pi$ hich they exhibit at this the same as swingiug Iudian-clubs, and $I$ am afraid to say how long I have seen them prize liar. Geuerally the lord aud master lies in oue coruer of their "jacal," or hat,
smoking a cigarette and watching the opera tlon lauguidly. When the woman thinks the water is sufticicutly cool slie stops with a the jar. Usually he takes a gulp, houls out "Moocha calora!" which is native patois fo blamed hot, aud she begins again patientl
descrihing pin-wheels. I bave never made test with a thermometer, but.I cau assure perature of a very cool mountalu spriug. In Mexico the natives confun themselves, as a rule, to dampening the jar on the outsid and placing it in a curreut of air. Near the which a ctrong hrecze passes at all throug the day. I have seen the mouth almost
choked with water-jars, left there to cool

WALTHAM WATCHES
Before 1854 there were no Waltham Watches nor any American Watches. To-day the tradition that one must go abroad for a good watch has been exploded by the American Waltham Watch Company.

Waltham Watches are for sale by all retail jewelers.


## CHILD'S SET Siviverair in

Premium No. 87

## DESCRIPTION

This Silver-plated Child's Set is of the same pattern and same quality as our other silver-plated tableware. The base of the ware (except the krife) is a hard white metal, which makes it strong. It is plated with the fullSTANDARD amount of pure coin-silver. The spoon and fork will be engraved Fith any one initial in an Old English letter. The knife is made of steel, heavily plated with silver.

The set of three pieces will be packed in a box lined with pink sateen, which makes them a very showy present. The length of knife is $7 \frac{1}{4}$ inches, fork 6 inches, spoon 5 inches. Guaranteed to give satisfaction or money refunded.

Last season we sent ont nearly 200,000 pieces of our silverware as premiums. It is a good bargain. We Will Send the Farm and Fireside One Year and the Silver-plated Child's Set for
Only 60 Cents
the name may be counted in a clubb)
This Silver-plated Child's Set
given for a club of THREE yearly given for a club of THREE yearly
subscriptions to Farm and Fireside.
Genuine Diamond Brand
 pered by experts, heavily nickel-plated, highly polished. Length $7 \frac{1}{4}$ inches

Given as a premium for a club of only THREE yearly subscriptions to the Farm and Fireside.

Address FARM AND FIRESIDE, Springfield, Ohio


MY LIFE IS LONG
My llfe is long-not so the angels say
Who watch me waste it tremblug Who watch me waste they welgh
themblatshed day.
My ufe is long-Christ's word is different; The heat and burden of the day were spent On him; to me refreshing times are sellt Rests not froul adoraton its dellght, Still crylug, "Holy, holy!" In the height. Gire me the heart of saints, who, lald at rest In better paradise than Abraham's breast, In the everlasting rock have nade their nest. Glow years $f$, That where thou art there thy beloved might

## THE YOUNG MAN AND HIS INCOME

Ican live within his income; and of the average young man, at least, this doubtless true. It all events, the necessaries of hife are very cheap, and
small, indeed, must be the wage that will not permit a young man to support life soberly and decently. It is the luxuries that come high; the unnecessary cigars, the indulgence in liquors, the questionable entertainmeuts, the betting, the card-playing, trying to ape are the things for which young men usually go into debt, not for the necessaries of life. For the "husks of swine," verily, they mortgage themselves, souls and bodies.
For the sake of gratifying his vanity by dressing as well as others who have more than double his means; by wish-
ing to appear what he calls as "up to date" as his friends or boon companions, many a young man mortgages his future, sells his birthright without sity was at least real. His wants are imaginary, and their gratification only serves to create an army of unlawful
desires, which drag him lower and lowdesires, whicll drag him lower and low-
er into the slough of debt, despondency er into the slough of debt, clespondency hope, enthusiasm, self-respect-all that makes life dear-goes out in night and dặrkness.
feast," contenter mind is a continual enjoyed by the unhappy victim of debt. Corroding care must ever be his companion, robling him of strength, sapping his ambition and destroying that peace and tranquillity so absolutely essential to the. successful pursuit of his occupation or profession

Let not the young man who is living beyond his income deceive himsclf with the sophistry that he will retrieve his position. Let him not build airy castles of future successes that will redeem the past, only to be crushed beneath their ruins. Out of your pres as surely as night follows day will you reap that which you have sown. Be not deceived. The law is inexorable, You cannot escape the consequences of your ease. If you sow tares in the springlime of t; if good fruit, then will the autumn fill your granaries. Remember, too, that there is but one seed-time, too, that there is for you it is fraught with weal and that for you it is fraught with weal
or woe. There is but one garneringor woe. There is but one garnering-
time, and it rests with you alone time, and it rests with you alone
whether you shall garner honor or shame, success or galling poverty, righteousness or unrighteousness.

Make your income, no matter how small it may be, the boundary-line of nurions, keep as far within this boun-dary-line as possible. Extravagance, ostentatious display, a desire to outshine others, is a vice of onr age, and especially of our country. Unfortunately, too, the working poor, as well as Frugality, its opposite, is a virtue swhich many young men, nowadays would be ashamed to cultivate. And
yet its great exemplar was the man of men, who, when he miraculously fed
the multitude with a few loaves and
fishes, commanded his disciples to gath er up the fragments, lest anythin should be wasted. 'There was no need to to this; for, if he chose, he could gain, as he did when oceasion de again, as he did when occasion deevery word and act emphnsized a truth ever word a a truth teaches the practice of economy, adteaches the practice of economy, ad-
herence to the old-fashioned adage, herence to the old-fa
"Waste not, want not."

Ah, how much easier it is, after all to practisc a little self-denial, eren for a time to deprive one's self of some of the necessaries, than to suffer the stings of conscience, the torture of being constantly goaded by creditors without the means of satisfying them, the horror of being chained day and night to a load from which there is no deliverance, the humiliating consciousness of being a mere chattel slave, whose time and thought are, in a sense, owned by others! In the ivords of "Poor Richard," who is particularly strenuous on this subject, "Better go to bed supperless than rise in debt. Better suffer any temporary privation that poverty entails, than bury one's that poverty entails, than bury one's
self in this moral quagmire from which self in this moral quagmire from which
escape is so difficult, and which too ofescape is so difficult, and which too of-
ten, alas, engulfs integrity, veracity, manliness, honor, character, leaving on the shore of "life's unresting sea" bu the broken hulk of what might have been a noble ship.-Success.

## TOO BUSY TO BE KIND

"I sometimes think we women nowadays are in danger of being too busy to be really useful," said an old lady, thoughtfully. "We hear so much about making every minute count, and always having some ivork or course of study for spare hours, and having our activ ities all sympathized, that there is no place left for small wayside kindnesses We go to see the sick ueighbor and relieve the poor neighbor, but for the common every-day neighbor who has not fallen by the way, so far as we can see, we haven't a minute to spare. But everybody who needs a cupful of cold water isn't calling the fact out to the world, and there are a great many little pauses by the way that are no waste of time. The old-fashioned exchange of garden flowers over the back fence and a friendly chat about domestic matters helped to brighten weary days and brought more cheer than many a sermon. We ought uot to be too busy to inquire for the girl away at school or inquire for the girl away at school or
to be interested in the letter from the to be interested in the letter from the
boy at sea. It is a comfort to the boy at sea. It is a comfort to the
mother's lonely heart to feel that somemother's lonely heart to feel that some so much to her. Especially we ought not to be too busy to give and receive little kindnesses in our home." May no one be able to say of us that we are too busy to be kind.-The Young Woman.

## A SPLENDID RECEIPT

"I want a drink," said baby.
"Go to the kitchen. Mary will give you a drink," said mother.
"I don't want to," baby demurred. "Mary is cross."
"Why, what made her 'cross?" asked mother
"I dess I did sumpin' to her," said baby.
"Th
"Then if you have done something to make her cross you would better go and do something to sweeten her," sug gested mother.
Baby thought over it a minute, and then trudged to the kitchen.
"You are a sweet Mary," he said, "and I want to hug you."
Mary stopped her work and stooped, and he threw his arms about her neck and kissed her, and said, "I love you two hundred bushels."
When he came back, smiling, mother asked, "What did you do to Mary this time?"
"Oh, I sweetener her, I dess," was the reply:-Our Morning Guide.

## A REMEMBERED PROMISE

There is a nice little story which a woman who knows limma Eames, the
singer, personally tells of her. It was singer, persomally tells of licr. It was
after Mme. Eames had become famous after Mme. Lames had become famous
and a well-known picture of her by and a well-known picture of her by
her husband was on exhibition in Boston that it came out. The woman who knew Emma Eames had gone down to see the picture, and as she stood before it she noticerl beside her a plain, little old woman wearing a circular and carwo an old-asko the little woma with the reticule told the other the story.
It was before Emma Eames became famous, before she had gone abroad or sung in grand opera, that the little woman was her dressmaker. Then came the time when the ambitious young singer started for the other side looking for fame and fortune. Before she left she said to the little dress maker:
"If I get to be a great singer while I am gone, Mary, when I come back to sing here you will be the first person to whom I shall send tickets."
"And when she came back she was a great singer," said Mary, telling the story, "and the first thing she did when she reached here was to send me tick ets."-New York Times.

## WATCHWORDS TOWARD PROSPERITY

"He who despises small things shall perish little by little."
A slight debt proctuces a debtor; a heavy one an enemy.-Publius Syrus. The borrower runs into his own debt.
-Emerson.
Increase your wealth by lessening your desires. Develop a capacity to do without money.
"Debt makes everything a temptation. It lowers a man in self-respect, places him at the mercy of his trades men and servants. He cannot call him self his own master, and it is difficult for him to be truthful."-Smiles.
To do your best you must own every bit of yourself. If you are in debt, part of you belongs to your creditors. Nothing but actual sin is more paralyzing to a young man's energies than debt.

Neither a borrower nor a ber
For loan oft loses both itself and friend, Shakespeare.

## Ere fancy you consult, consult your

## purse.

## "WHAT YOU ARE"

A little boy was on the scales, and being very anxious to outweigh his playmate, he puffed out his cheeks and swelled up like a little frog. But the playmate was the wiser boy. "Oho!" he cried, in scorn, "that doesn't do any good; you can only weigh what you are!" How true that is of us bigger children, who try to impress ourselves upon our neighbors and friends, and even upon ourselves, and, yes, sometimes upon God Almighty, by the virtues we would like to have! It doesn't do any good.. You may impose upon your neighbor's judgment, and get him brave, faithful, loving; but if it is not deeply true, if you are not generous, deeply true, if you are not generous,
brave and loving, these fancied qualbrave and loving, these fancied qualities are not moving him to be generweigh what you are."-The Wellspring.

## LEAVING NO STING

Our manner of doing a thing often counts for more than the thing itself. Some people have the gift of doing a gracious thing ungraciously. They seem to think it of small moment how they act, if they do the right thiug. Their gifts are felt like a blow. Others refuse with a kinduess that falls like balm. The Italian who is asked for alms, unable to help, replies, "Pardon $\mathrm{me}, \mathrm{I}$ also am a poor devil." That leaves no hurt, while the open hand of some others infict a sting, "Godl cares more for adverbs than for verbs." says an old writer. Do the right thing, but do it
rightly, courteously, sympathetically.-Sunday-school Times.
"THE POWER OF AN ENDLESS LIFE
Dr. George H. Hepworth, in one of his recent New York "Herald" sermons, speaking oi the influence of the belief in immortality, declares that the brightest, holiest and most inspiring thing under the sun is a belief that we shall wake up after sleep. It gives us cour-
age, broadens our shoulders and makes us rich in anticipation. The other life is better than this, and when there we shall complete the work which we left unfinished as the shadows fell on our short and troubled career.

## SCISSORS OR ORANGES

My wife told me one day that she had one of the children, a little boy had been cutting something with a knife and it had slipped upward and put out his eye, and his mother was afraid of his losing the other one. Of course, after that my wife was carefiul that our little boy, two years old, shouldn't get little boy, two years old, shouldn't get
the scissors, or anything by which he the scissors, or anything by which he could harm himself. But prohibitachild from having any particular thing, and he's sure to have it; so one day our lit tle fellow got hold of the scissors. His sister seeing what he had, and knowing the law, tried to take the scissors fron him, but the more she tried the more he clung to them. All at once she re membered that he liked oranges, and that there was one in the next room Away she went and back she came "Willie, would you like an orange?" The scissors were dropped, and he clutched the orange.
God sometimes takes away the scis sors, but he gives us an orange. Get both your feet into the narrow way; it leads to life and joy; its ways are ways of pleasantness, and all its path ways of pleasantness, and all its paths peace; no gloom there; all light:Moody, in Current Anecdotes.

## THE BEST STIMULANT

The best possible thing for a man to do when he feels too weak to carry a thing through is to go to bed and sleep as long as he can. This is the only re cuperation of brain-power, the only actual recuperation of brain-force; be cause during sleep the brain is in a state of rest, in a condition to receive and appropriate particles of nutriment from the blood, which takes the place of those consumed by previous labor, since the very act of thinking burns up solid particles, as every turn of the wheel or the screw of the steamer is the result of consumption by fire of the fuel in the furnace. The supply of consumed brain-substance can only be had from the nutritive particles in the blood, which were obtained from the food eaten; and the brain is so consti tuted that it can best receive and ap propriate to itself those autritive parti cles during the state of rest, of quie and sleep. Mere stimulants supply nothing in themselves; they goad the brain, force it to greater consumption of its substance, until it is so exhausted that there is not power enough left to receive a supply.-Medical Journal.

## GOD KNOWS BEST

"I need oil," said an ancient monk So he planted him an olive sapling. Lord, he prayed, "it needs rain that its roots may drink and swell Send gentle showers." And the Lord sent a gentle shower.
"Lord," prayed the monk, "my tree needs sun. Send sun, I pray thee." And the sun shone, gilding the dripping clouds.
"Now frost, my Lord, to brace its
tissues," said the mouk, and behold, the little tree the mouk, and behold, the But at evensong it sarkling with irost sought the cell of a brother monk, and told his strange experience.

I, too, have planted a little tree," he


## MY BROTHER JIM

My brother Jin's the
played f 'r keeps
He lethe term peeps;
An' when he sneaks away to skate, 'cause
ma ain't said he could,
He's sure r'tl stay to home an' split the mornin's kindlin'-roood

You ort to see me beat th' rugs when Jim's You better bet I hit 'em up-th' dust a-flyln' high;
An' oh, it does me good to hear-hehin' the Our Jimmy say to Petey Burns, "Ain't he a dandy kla!

Of course, I run his erran's, too, f'r reast, cakes an" f"r hread, "de gang" a-smok, in' in our shed
An' lots o' times I hold his coat when he
An' if I I clean the walk he lets me hit his punchin'-hag.
My brother Jim's the bestest boy that ever caught a ball;
Whaterer 'tis he has
Whaterer tis he has to do he lets me do lt
I don't deserve his conferdence-that's what you there ain't many boys with such a brother Jim!

-Cleveland Plain Dealer.

## THE INDISPENSABLE ITEM

 How strange is woman! In ber brain And though no other point she gain To this one thought she will adhere.Gloves mar be old and shoes passe, Her frock he shahly-all of thatBut on her head, big, towering, ga.
Thougb skies may Thougb skies may fall, she'll have a hat.

## A CENSUS STORY

HRe is another New York census epof the feminine character: "In what year were you born?" "hed tbe enumerator. "In 1846," answered the lads. rator.

## "Indeed I am not; I am fifts-two," she re-

 torted, sharply."And yet you were horn in 1816?"
Tbat is what I said, slr.
"Then you must be fifty-four.
No, fifts-two.
"Well, hut how do you account for the ad"I don't account
"I don't account for them. I don't bave to. It's none of my business. I was born in
1846 , and I am fifty-two years old, and that is all there is about it years old, and that I suppose."
Tbls closed the incldent.


THE PATHOS IN TEA
In one of the Cleveland public schools the teacher sald to the class iu English composition, "I Wish every memher of the class Would write out a conversation hetreen a some pathetic incident or reference," Some pathetic incident or reference.
Among the compositions handed in
following, hs a little girl:
$\cdot \cdot$ What do you want?
The lady answered, 'A pound of tea.' 'Green or black? asked the grocer. 'I think' r'll take hlack,' she said; 'it's for a funeral.' '

## the wrong man

"Say, mister," said the man who was ton strong to work, "will you please let me tell you just how it is? I don't ask rou for here in this great city. Wouldn't you please to gire a fellow a lift to git something to
"Sorry I can't do it," the other replied, "but giring a fellow a lift is not in my line I'm an auctioneer. It's my buslness to knock things down."-Chicago Times-Herald.

NO SHOW FOR HOME RULE
To lllustrate the feeling of Ireland torrard the predominant partner, an actor who has lately been touring tells the story of an old Waiter in a Duhlin hotel.
Ireland, John sou going to get home rule in Ireland, John?", was the question. "See se here, sor," said the old man, "tbe only way we'll get home rule for ould Iremans, an' Austria, an' mashe Itals, if Gey mans, an' Austria, an' mayhe Italy, if they would all join together to give those hlay giards of English a rare good hiding. That's the only was we ll get home rule, answay.
Then, as he looked cautiously around, a twinkle of cunning and a suile of courtesy were added to the expression.
"An' tbe whole lot of 'em shored together couldn't do it," he said. "Oh, it's the grand uary' we're got!"-London Chronicle.

## WHICH WAS IT ?

" "I want to know," cried the irate visitor, "bether that lem of yours in regard to me ininity?"
"What are you talking about, my dear sir, and who are sou, answas?" asked the editor "I'm Dr. Killiam, and I refer to your an nouncement of the sudden illness of the Hon orahle John Jones, in which sou sas, 'Mr.
Jones is in great danger. Dr. Killiam has been called ln.' "-Pblladelphia Press.

THE SPAN OF LIFE
A man recently summed up life this way:
"You're horn. Somebody supports you for awhile. Then sou support somebody for awhile. Then you get old and somebody sup ports sou for awhile again. Then sou die and the folks wear themselves out paring for your funeral. You're alwass a hurden or witb a hurden." -Boston Home Journal.

A BUSINESS HEAD
Lady-"I wisb to get a birthday present fo my husband."
Clerk-"How long marrled?"
Lady-""Ten years.
Clerk-"Bargain-counter to the right."


## IMITATION

was huyh de Thite young lady say dat she made huh so mad," said Miss Miami Brow. "It's scan'lous de way dese white folks is actin'," answcred Mr. Erastus Pinkley. "Fust dey sing coon songs, den dey does cake-walks,
an' now dey's gwille in foh carryin' mazers. - Washiugton grine

## ECHOES FROM THE PLATFORM

 "Were all equal." said the earnest citizen One man's dote doesn't count for any mo ". han another"s"Of course not," answered Senator Sorghum. "That,'s the great principle that quantity take the place of quality."- Wash ington Star.

## SHE KNEW

"I hope, Mrs. Giles," said a lady who was "anrassing for a choir at the village church, rou will persuade your husband to join us. "A snorous roice morous voice.
Ab, 'Ab, you should hear it comin' out of his

NO REFLECTION ON HER BRINGING UP Dinah-"Oh, mother, my fingers are so sore There the nasty nettle stung me!
Mother-"Never mind, Dinah dear. Put sour fingers in your mouth-that will stop he pain.'
Dinah-"I can't, mother; thes are too dir-
Put them in your mouth, please!'

## THE REASON FOR IT

Tatts-"Ever notice how kindly an audlence takes to jokes about policemen or about women? That is, the men do. I'm afraid is a had sign."
Potts-"Don't you worry. It is human na ure to enjor seeing one's hosses made fun f."-Indianapolis Press.

A CHILD'S REBUKE
A little four-year-old miss was overheard talking to her favorite doll that had acciden tally lost an arm, therehy exposing the san know I told rou to chew your food fin but I had no ldea rou would shem it as fine but I ha

THEN SHE WANTED IT, TOO
Mrs. Wilful-"dy busband told me if I
Jeweler-"Certainls, madam. I'll be onl oo glad, as four different ladies of sour set ranted it."-Jewelers' Weekly.

## HEARSAY FAITH

"Papa," said the seven-sear-old, "is heaven nice place?"
"Yes, my little daughter," replied the father. "It is said to he."
"But you will never know for sure, will

## SUPPLY AND DEMAND

Pedder-"Any tins, ma'am?
Housekeeper (indignantly)-"Those thns you sold me last week have all gone to pieces!"'
Pedder-"Yes'm. I knew you'd want some more bs this time."-New York Weekly.

## 2

WHY HE FLED
"Why did the roung minister leare so "uddenly?", Malden Ladies' Home Missionary So clety took up the task of finding him a suitable wife."-Phlladelpbia North Amer

## PREPARATORY

Book-keeper-"Your wife is at the door, slr and would like to speak with sou a moment. Mr. Sellers-"Yes; just see what my ha
ance at the bank is, will you?"-Harper' ance

## AGREED

The mistress-"Bridget, you must stas untl) get another girl.
Bridget-"That was mer intenshun, anyway. want her to know the koind or a woman are!"-Harper's Baza

MUTUAL UNDERSTANDING

## He kissed her suddenls. "Well, I like that!"

 she crled."So do I," he answered, calmly; and she let it go at that.-Roxbury Gazette.

## NICOTINIZED NERVES. <br> Millions of America's men day after day feed their nerves with tobacco, until the nerves become nicotinized and the blood tobacco-tainted, then the NERVES blood tobacco-tainted, then the NERVES creep and crave for more tobacco. That's called a habil. Il's a disease, and in all this wo <br> NO-TO-BAC. <br>  <br> Over one million boxes sold in two years; 300,000 cured, tells the in two years; 300,000 cured, tells the story of great merit. $N 0-T 0-B A C$, a story of great merit. NO-TO-BAC, a nerve-maker, restores vitality to weak men. Many report a gain of ten pounds in ten days. Go buy if to-day under in ten your <br> DRUGGIST'S GUaRanteE. <br> Every druggist is authorized to sell No-To-Bac under absolute guarantee No-Ho-Bac under absolute guaranteg tocure every form of tobacco uslng Our written guarantee free samplo of No-TO.Bac and booklet called Don't Tobaceo Splt and Smoke Your Life Away, mailed for the asking MA- Ad dress THE STERLING REIEDY OO. Ohicago, Montreal,Can., NewYork.




South=Western Limited

|  |  |
| :--- | :--- |
| BOSTON, | CINCINNATI, |
| NEW YORK, | CHICAGO, |
| WASHINGTON, | ST. LOUS, |

## Big Four Route

NEW YORK CENTRAL,
BOSTON \& ALBANY CHESAPEAKE \& OHIO

Cafe, Library, Dining and SIeeping Cars.
W. J. LYNCH, W. P. DEPPE, Gen. Pass. and Tkt. Agt. Asst. G. P. and T. A Cincinnati, Ogio.


## Sterling Silver <br> 

THIS THIMBLE is first-class in quality, heavy in weight, well good, serviceable thimble. On account of these things it costs about twice as much as many of the ordiuary sterling silver thimbles on the
The th
The thimbles are engraved in dif ferent patterns, but this cut represents them all quite well. Guaran-
teed to be as represented and to give teed to be as represented and to gisfaction or money refunded.
satisf We Will Send This Thim-
 (When this offer is accepted the club-raiser may
have etther the regular cash commission or the name have elther the for in a club)
nagy counted
Given as a Premium for a Club of THREE Yearly Subscriptlons to the Farm and Fireslde.
give the size you want.

FARM AND FIRESIDE SPRINGFIELD, OHIO
hmmm

A dollar will bue a lot of necessitles, but
few pleasures.-Atchison Globe

[Continued from page 11]
WHEN I AM DEAD
"When I am dead," she said, "I pray
dear,
Thluk of met as far away, but here Thluk of me not as far a way, but here
Beslde you; ever in the sweet, old place, face;
Not as a homeslek soul in some far sphere.
Through all the dars and nights shall I be
In summer $t$ wilights, or when earth is sere; Lo! I shall beg of death for thls one grace, When I an dead.
shall bring all of ghost will I appear;
shall bring all of comfort, nanght of fear. Ouly the woman that you love will come; dumb

When I am dead."

## ELDERBERRIES


this country, and other fruits so abundant, that we hardly appreciate the elderberries as we should. The following are some of the many nice ways of using them:
To Can Elderberries.-To every four pounds of berries allow one pound of
sugar. Sprinkle the sugar over the berries in a granite kettle and let them stand one or two hours, then place over a moderate fire and bring to the boilingpoint. Skim, and can immediately in self-sealing glass jars the same as any
other fruit. To Can Elderiberries for Pies.-To
nine pounds of berries add three pounds nine pounds of berries add three pounds
of sugar and one pint of vinegar. Let of sugar and one pint of vinegar. Let
boil thoroughly, then can at once. Then you make the pies add a pinch of salt to each pie, and also a scant tablespoonful of flour, and bake with two crusts.
Spiced Elderberries.-With one pint innamon and two ounces of whole cloves boil four pounds of sugar for ten minutes; skim out the spices and put in eight pounds of berries, and boil thoroughly. Skim out the berries and
let the syrup boil down to half the let the syrup boil down to half the quantity. Return the berises to the syrup
sęal.
Spiced Elderberries, No. 2.-Place three pounds of brown sugar and one pint of vinegar in a granite kettle over the firc, and when they boil add nine pounds of cleaned elderberries. Let two and oue half hours, then add one and cinnamon tied in little bags. Simmer fifteen minutes; take off, and seal in cans.
Elderberry and Grape Jelly:Mash four pounds of ripe elderberries and four pounds of green or partially
ripe grapes and put them in a granite ripe grapes and put them in a granite
or porcelain-lined kettle; add one half or porcelain-lined kettle; add one half Strain through a jelly-bag, measure the juice, return it to the fire, aud boil ihirty minutes; add an equal quantity of sugar, boil five or ten minutes
longer, pour into glasses, and seal when longer, pour into glasses, and seal when
cool.
Elderberry and Siberian Crab Jel-
y.-To six quarts of elderberries take four quarts of Siberian crabs; put into separate kettles, cover well with water, and boil well until soft, but not mushy. Then strain through a bag, but do not squeeze, add one pint of sugar to each pint of juice, and boil in one ressel it jells. This makes a nicely flavored as well as a nicely colored jelly.
ELDERBERRY Catciup.-To one quart
of elderberries add one pint of vinegar, of elderberries add one pint of vinegar, six anclovies soaked free from brine and then pulled to pieces, and one half
teaspoonful of mace. Boil the berries teaspoonful of mace. Boil the berries
with the vinegar until the berries begin to burst, then press them through a sieve; return to the fire, and add the anchories and nace. Let simmer until the catchup is of the desired consis1ency. then bottle and seal.
Elderberry Pie.-Line a pie-tin with paste; fill with two heaping cupfuls of
fresh elderberries, scatter over them
two thirds of a cupful of sugar, one
tablespoonful of flour, one half ounce of butter cut in little pieces, one tablespoonful of sharp vinegar and one half crust, and bake in a moderate oven. Dimed-ELDERBERRy Pie.-Free from the stems nice ripe elderberries, pour orer them boiling water to cover, and
let stand half an hour; drain, and dry let stand half an hour; drain, and dry
in a hot stove-closet. These will keep in a hot stove-closet. These will keep as well as any dried truit. For one pie take one cupfnl of the dried berries and two cupfuls of water; let soak awhile, then boil an hour, aud add one cupful of boiled cider (sliarp), one half cupful each of molasses and sugar; bring to a boil, stir in two good tablespoonfuls of flour rubbed smooth in little cold ryater, and boil three minutes. Let the mixture get perfectly cold before filling the crust. Bake be tween two crusts in a quick oven.
Elderberry and Grape Pie.--Stew and sift enough green grapes for one cupful of pulp; stir into it a misture of one cupful of sugar aud one tablespoonful of flour and a pinch of salt; next stir it into one and one half cupfuls of elderberries. Brush the under crust with white of egg, pour in the filling, cover with an upper crust, bake slowly and serve while still slightly warm.
Elderberix and Apple Pie.-Line a deep plate witlı paste; cover the bottom with a thick layer of thinly sliced tart apples, add one and one half cupfuls of elderberries mixed with one cupful of granulated sugar, one tablespoonful of dry flour and a pinch of salt; add an upper crust, and bake in a moderate oven for about forty minutes.

Elder-flower Fritters.-Wash and drain; keep on ice until wanted as many cymes of freshly blossomed elder as will be needed. Dip them in fritter batter, shake lightly, and fry till crisp. Serve as soon as possible, as they spoil if allowed to droop. Arrange on a bed of elder-leares, and dust thickly with powdered sugar.

Fritter Batter.-One egg, one cupful of milk, one cupful of flour and one teaspoonful of salt. Put all together in a deep, narrow bow, and beat with a rotary egg-beater until smooth, but not frothed. When used for a sweet dish add a teaspoonful of sugar. This batter is used for Swedish timbals and wherever an article is to receive a very thin coating.

Elder-flower Vinegar.-Fill a widenouthed bottle with fresh elder-flowers gathered on a dry day and carefully picked from the stalks. Cover them with the best vinegar, and let steep
fourteen days; then strain through a flannel jelly-bag, pour it into half pint bottles, cork tightly, and keep in a dry place. If the essence is not as strong as desired, fill the bottle a second time with tresh flowers, pour them strain through the jelly-bag; and preserve as directed.

All vinegar used to put up pickles or in extracting flavors should first be purified by being boiled and strained after which the liquid will keep clear for a long time without spoiling if it is kept in well-corked bottles.
Elderberries may be used in fruitpulfs, berry griddle-cakes and steam
pudding with most excellent results, pudding with most excellent results, and a very strong vinegar may also be
inade from them. The young, tender shoots ar them. The young, tender It has, minch relished as a pickle. the common elder-tree contains a whole magazine of healing remedies to rustic practitioners. A strong decoction made from the green inner bark is an excel lent lotion for use in bathing and allaying inflammation, and the green inner portion of the body which cold and in portion of the body which cold and inflammation hare caused to cake will give relief; and if fresh bark is used as that
which is on becomes dry, it will draw which is on becomes dry, it will draw
out all the fever. The juice of the inout all the fever. The juice of the in
ner bark is regarded as one of the best ner bark is regarded as one of the best
hydragogues.
Sweet elder-flowers (Sambucus CanSweet elder-flowers (Sambucus Can
adensis) a valuable alternative diuretic, mucus and glandular stimulant, excellent in eruptive, cutaneous and scrofulous diseases of children. Infusions of the flowers promote cuticular secretion and form a powerful sudorific, and if taken freely operate as a lax-
ative. The flowers or inner bark of the
goot simuerch in fresh bintter for most cutaneous fections. The juice pressed from the ripe berries is called elder: rob, aud possesses mildly aperient, diuretic and

## CULTIVATING A HAPPY DISPOSITION

"People may joke as they will about the 'Don't Worry Clubs' and their doings," says one of the stanch supporters of this movement, but there is
more in the idea than one realizes at first thought. It has been proven ove and over again that even the most anx ous of the worry-seekers may cultivat a contented, lappy disposition if they go about it systematically.
It does not require much comparison of persons and positions to be conof persons and positions to be con-
vinced that the woman who is blessed with a happy disposition is in possession of that which brings into her lif more of the actual sunshine of exis tence than untold gold could ever buy T'he being who looks continually on the dark side, who regards life as one great tragedy, cannot enjoy even the bound less advantages that are within reach, because what is brightest and best is always to such a mind shadowed by the foreboding of coming evil.
The happy disposition enables its possessor to pick out the one fine strand of hope from the tangled mass of financial trouble, heartache and sundry other sorrows that fall to the lot of all who tread life's pathway. Nothing is so bad that it could not have been much worse. The most dire disaster has bright side, and the buoyant disposition that absolutely frowns down and fight off the moody influence of trouble is treasure beyond all power of pen to estimate.
A woman with a happy disposition is far more to a man as a wife than the woman with a great fortune, for riches way of altering, and if once money vanishes, the gloomy individual does naught but sit down and weep, having no word of encouragement for the husband, on whom the blow falls more heavily.
The happy-dispositioned wife will see a way out of the difficulty, or will accept matters as they are in a sweet spirit of cheerfulness that endows her husband with new zeal and causes him to look upon her as the guiding star of his existence. If you do not possess such a disposition, cultivate it as far as possible. It does no good to brood over one's troubles; it doesn't help matters in the least. One who goes about it with a determination to find bright rays in the clouds of trouble will soon discover them right at hand

## PICKLES

Nearing the close of summer we must carefully begin to put up different kinds of pickles. It is well to leave them until the worst of the heat is past.
Peaches could be attended to now to advantage. Pare them, and lay in cold water until all are done, to keep them from turning dark. Prepare vinegar in proportion of one pound of sugar to
two quarts of vinegar. Tje in cloths whole cinnamon, whole cloves (only small quantity of the latter-say one feaspoonful to the above amount), and about five cents' worth of stick cinnamon. Cook the peaches in this until you can stick a broom-straw in them easily, then remove, and pour the heated vinegar over them, for four days
Grapes can be kept in wide-mouthed stone jars, pouring the heated liquid over them for several days, and tying 1) with a cloth

Watermelon-rind must be soaked first in weak salt-water over night, cooked ferred to the vinegar syrup and cooked until very clear.
Very small cucumbers may be put into weak salt-water for a few hours, then heated in half vinegar and half vater, with a few grape-leaves and a When heated through put into quart glass jars, and into each jar pat a glass jars, and into each jar pat a
spoonful of celery-seed, black and white
mustard-seed, a tablespoonful of, white sugar, a piece of ginger-root and a piece of red pepper. Fill the jars with
hot vinegar, and seal them. The vinegar must not be allowed to boil. In this way the vinegar is not spoiled for any other use if you heat too nuch. Following this receipt makes a more pleasant-tasting pickle than when Torge pickles I usuall put
Large pickles I usually put down in brine strong enongh to hold up an egg.
I put a weight on the plate that covers I put a weight on the plate that covers
them, to keep them under. In the winthem, to keep them under. In the winsoaking a day or night in cool water and then treating them the same as the bottled pickles. One thing to remember is not to wash them so hard as to remove or bruise the little protuber ances on them. This causes pickles to turn soft. They must be handled with the greatest car
B. K.

## about serving

" "I'm to entertain a company of forty at supper next Thursday. None of your ice-and-wafer affairs, but a good, substantial lunch with coffee, meats, rolls, sandwiches, and so on. It is an anniversary affair; many of the guests come from a distance and will be hungry. My dining-room is small, so setting the table is out of the question. I am inexperienced at this sort of thing Won't you give me some advice? So spoke a
older friend
"Yes; we women always have plenty of that commodity to spare. In the first place, may I ask if there is any particular reason why all the guests must be served at once?
"Some go on trains both east and west so all must be either served at one time or else must be grouped according to the time they have to leave; and one is not' sure that congenial people would get together in an arbitrary arrangement like that.
"I believe I would risk it, and serve in two instalments of twenty each. If some should happen to be strangers to the rest, a little tact and planning on your part
all of them
"But my
"dining-room table cannot accommodate twenty people, even," said Mrs. Young.
"Nor did I expect it would. Make your table as small as possible; deck it in your prettiest damask and doilies, and put a plate of pickles, a cake o two and pretty floral decorations upon
bowl of roses is the prettiest decoration. Then put your chairs around three sides of the dining-room close against the wall. You will find twenty can easily be seated in that way Everything can be brought in directly from the kitchen, and the dining-room table will not need to be disturbed."
"But won't it seem very stiff to have the elairs in straight ro,
backs against the wall?"
baeks against the wall?"
"Not more so than sitting down to a table. Don't crowd your chairs too
closely together. You won't need to closely together. when you come to plan it."
"How many waiters do I need?"
"Have too few rather than too many 'They get in each other's way. Three spry girls ought to do it easily. One should stay in the kitchen to keep plates and coffee-cups replenished; one passes the plates to the guests, and fol lows immediately with refreshments, and a third looks after the dishes when plates are changed. I should say it let her speak for herself, but not in fringe on the territory of the other tringe on was served to a delightful lunch two. I was served to a delightful lunch not long ago that lost half its charm
from the overabundance of nervous woinen dodging each other and interwomen dodging each other a
fering with each other's work.
syppose I ought to use my best

# a GREATER BARGAIN THAN EVER 



HE price of silver-plated ware is steadily advancing, and yet we are furnishing this ware at the former prices. At these prices it is the biggest bargain at present offered in high-grade silver-plated ware. This ware can be used in cooking, eating and medicines the same as solid silver; it will not, cannot turn brassy, corrode or rust. In beauty and finish it is perfect. The only way in which we are able to offer this ware at such bargains is that we have it manufactured especially for us in enormous quantities, and handle it entirely without profit to get subscriptions and clubs. All of the ware is full regulation size.

## Pure

## Coin=silver Plating . . . . . .

The base of this ware, except the tableknives, is solid nickel-silver metal, which is the best white metal known for the base of silver-plated ware, because it is so hard and so white that it will never change color and will wear for a lifetime. The base of all this silverware is plated with the full STANDARD amount of pure coin-silver. The base of the table-knives is fine steel highly polished. They are first plated with nickel-silver, which is as hard as steel, then plated with 12 penny-weights of coin-silver. There are no better silver-plated knives on the market. They are fully warranted.

## Will Stand <br> Any Test....

To test this silverware use acids or a file. If not found to be plated with the full STANDARD amount of pure coin-silver and the base solid white metal, and exactly as described in every other particular. we will refund your money and make you a present of the subscription. If returned to us we will replace free of charge any piece of this ware damaged in making the test.


## FROM MANUFACTURER TO USER

There is no middleman's profit added to the price of this ware, as we are satisfied to handle it without profit to get subscriptions and clubs, and pass it from the manufacturer to the user at manufacturer's cost plus the expense of postage and wrapping. In this way our subscribers get this ware at less than one half the usual price for a similar grade of goods. It is of first-class quality.

## WEAR PROVES ITS QUALITY

We have handled this ware for years and have sent it into many thousands of homes, where it is now rendering general satisfaction. Hundreds of thousands of pieces of it have been sent out, covered by our guarantee, and complaints are practically unknown. We have thousands of testimonials as to its wearing qualities. A trial order is sure to be followed by others until you get the whole set.

ANY INITIAL LETTER Each piece of cept the knives) engraved free of charge with an initial letter in Old English. Only one letter will be engraved on each piece. State your choice.

GUARAN'EE We absolutely guarantee be exactly as it is described and to give full and entire satisfaction or money cheerfully refunded.

## PREMIUM OFFERS

We will send the Farm and Fireside one year and the Silverware at these prices:

The Farm and Fireside 1 year and a Set of 6 Teaspoons for The Farm and Fireside 1 year and a Set of 6 Forks for The Farm and Fireside 1 year and a Set of 6 Tablespoons for The Farm and Fireside 1 year and a Set of 6 Knives for The Farm and Fireside 1 year and a Set of 6 Coffeesspoons for The Farm and Fireside 1 year and a Set of 6 Dessert-spoons for The Farm and Fireside 1 year and a Set of 6 Dessert-forks for The Farm and Fireside 1 year and Berry=spoon for The Farm and Fireside 1 year and Pie.knife for The Farm and Fireside 1 year and Gravy-ladle for
The Farm and Fireside 1 year and Child's Set ( $\begin{array}{c}\text { Kinfe Foorki } \\ \text { and }\end{array}$ ip ooon $)$ for The Farm and Fireside 1 year and Butter knife and Sugar-shell (both) . 60
hen any one of the abore offers is cuccepted ine cinu-raiser mayy hare either the regular

## SILVERWARE FREE

For Clubs of Subscriptions to the Farm and Fireside'
Set of 6 Teaspoons given free for a club of four subscriptions Set of 6 Forks given free for a club of six subscriptions Set of 6 Tablespoons given free for a club of six subscriptions Set of 6 Knives given free for a club of twelve subscriptions Set of 6 After-dinner Coffee-spoons given free for a club of four subscriptions Set of 6 Dessert-spoons given free for a club of six subscriptions Set of 6 Dessert-forks given free for a club of six subscriptions One Berry spoon given free for a club of four subscriptions One Pie=knife given free for a club of four subscriptionśs One Gravy-ladle given free for a club of four subscriptions One Child's Set ( $\begin{gathered}\text { Knife } \\ \text { und } \\ \text { Spoork }\end{gathered}$ ) given free for a club of four subscriptions Sugar=shell and Butter=knife (both) given free for a club of four subscriptions



## 为



T
FARM SELECTIONS 筑
the origin of seedless-orange cul TURE IN THE UNITED STATES he introduction into the United
States of the seedless orange,
the culture of which has assumed such large proportions was primarily due he province of Bahia, Brazil, in 1868, she incitlentally mentioned Capron, the then Commissioner of Agriof superior quality to those raised in sion of taste was probably ever fraught
with more magnificent results. Mr. Williamo Saunders, then, as now, in clarge of the gardens and grounds of
the Department of Agriculture, had already deroted some attention to the United States, and had introduced a few new varieties trom foreign countries. tion suggested the possibility of a new find in the field of orange culture. A repagating purposes specimens for ings from trees was returned, which unfortunately proved worthless. A
specific order was then forwarded for plants, and in 1870 a small shipment of not more than twelve young trees, all
of the same variety and well packed in moss and clay, arrived in Washington
in fairly good condition. This was prung all the far-famed orange-groves producing what is now commercially known as the "Riverside navel (or seedless) orange" of southern California. thl the twelve plants were planted in At the proper time buds from these twelve trees were grafted upon small orange-plants department, and the process af propagation repeated at proper intervals. As the supply increased hundreds ot the young plants were distributed
through Florida and California, at first under the name of the "Bahia orange," afterward as the "Washington navel."
For some undiscovered reason conditions in Florida proved unfarorable to the productiveness of the trees, but the
development and success of their culture in California constitute a subject
The distribution of this new variety of orange by the department attracted winter of $1878-79$, and the great interest trees which that season came into bear-
ing on the place of Mr. Horatio Tibing on the place of Mr. Horatio Tib-
betts, of Riverside. The first crop conwas of peculiar importance as being the first crop of seedless oranges erer provariety attracted wide-spread attention
anong the fruit-growers and ranchmen of southern Calitornia, and Mr. Tibfamous. In the following year the
trees yielded sereral dozens of oranges, and people who had been growing the old varieties traveled hundreds of miles
to see them in truitage. Few believed that the trees were other than a freak universal whether a seedless fruit could be propagated to a point of profitable production. California trees came into
After the Cat bearing the demands upon the Departpossibilities of supply. The Tibbetts which a supply ot buds could be obthe young plants distributed in earlier that they are said to lave sold for five dollars a
dozen. In 1884 the buds taken from the

grafted with buds from the Tibbetts thousands of buds that were used for propagation; and thus was developed

TILE-DRAINING-THE FOUNDATION
If I were intending to buy a farm
loam, such as are most benefited by tileme exactly alike in tarmer were offered one thoroughly tile-drained and the
other not, with a price of fifty dollars an acre on the one not drained and unhesitatingly on the other, I would do it if I had but one or two thousand the rest, because I should expect to pay out quicker on the more costly farm
and tlien have something better when I get through.
But this statement needs some qual ifying. It goes without saying that if I bought such a farm, even to keep stock on, to make that a leading feature, and
if the land was reasonably adapted for tillage-that is, was not hilly-that I should want, in Ohio say, to grow clo-
ver, wheat and corn. And if intending to put in such crops I should want conditions right for raising a large paying many years' experience in draining and many years experience in draining and much from others who have drained. Again, if I bought a clay farm I would
run in debt for money to drain it all thoroughly for money to drain it all plowed, and as fast as it was plowed. I would not break up a field without
first draining it. As my friend William Strong says, "I woutd plant tiles before planting a crop every time." I am not half-hearted, but I would do it or let the farm alone. I would do
feeling of more certainty that I would get my pay than I had when I gave the friend expressed it sit institute good
winter, "Good farming is thrown away of luck. And still when I am asked, as I often am, whether I would advise not say yes, because so much depends upon the man, whether he will follow up his draining with good farming that will bring the money out of his ren-
ture; and, again, whether the draining will be thoroughly well done, or whether it will soon be practically of little value. Tile-draining is simply the foundation, next to the farm itself, of all good profitable farming on land that needs it. I wish I could grind this into
every reader who has such land.-T. B. Terry, in Our Farming.

TO MAKE AN UNPRODUCTIVE TREE BEAR The plan which I have followed with is girdling in early summer-time. This should be done in June. A single cut may be made with a knife through the bark, entirely around the trunk at any
conrenient place; or two or more such cuts may be made. If a ring of bark
several inches wide is peeled off entirely around the trunk of an apple or pear follow, for a new bark will soon form over the wound. Another very good
plan is to remove long strips of bark about two inches wide, pointed at both ends, and learing spa
Any of these will cause a checking of tion of fruit-buds instead of forma of wood-buds. The trees of the stonejury and will not safely endure such do they usually need anything to force them into bearing.-Prof. VanDeman in Vick's Magazine.

FARM WAGON ONLY $\$ 21.95$
In order to introduce their Low Metal Wheels
witb Wide Tires, the
Empire Manuacturing



This wagon is made of the best material


## BUCKEYE Sisw buid onil






EMERY DAY
UN THE YEAR,
The Kemp
Manure
Spreader
is used. Spreads all kinds day in the year. It will earn the interest on the moine, salt, etc. Spreads broadcast or drills in the and cotton planters and southern truck farmers. Splendid new catalogue FREE. Tellls all about it
Kemp \& Burpee Mfg, Oos, Box 17, Syracuse, Wo


fully decorated \& moot artistic desigig. Faul size for family vee beauth




## (.) WANT A WATCH?

 BOYLSTON \& BENT, Rochester, N. H.


HENCH \& DROMGOLD'S BRAM FORCE FEED
and FQHIIER DrI

BALE YOUR HAY


The EL", BALINGPRRESS.


[^2]

Vol．XXIII．No． 22
A WESTERN COOKING－SCHOOL
 $\sqrt{2}$ ged fundamental pinciples upon Which the State Agricultural
College of Colorado was organ－ College of Colorado was organ－
ived ，The yonne womam，in ized．The young woman，in common with the yomg man， 3⿺⿻⿻一㇂㇒丶⿱一口心刂y was given an opportnnity to stuty the classics or take a course in agriculture，horticulture，chemistry， mechanical engincering，etc．．bint there－ was no course whereby she might bet－ ter fit herself for that peculiar spliere which by the natmal order of things she is destined to occupy－that of home－ making and housekeeping．Set it seems o be pretestimed shall languish，while the more ornamental bramelies shall be the more outil the ranks of professional lostera．and life shall be filled to and elerical life shall be filled to orer－
flowing．Fiut the Colorado institution， flowng．hut he Colorado institution， although somewhat tardy in its action in this respect，at lant awakened to the importance of establishing a depart－ ment that should teach young women
some of the more practical things of some of the more practical things of life．The college was opened for in－ struction in 1sso，but it was not until 189．that the department of domestic sceience was established，though the
friends of that line of instruction had been urging their claims before the board of directors for some time pre－ viously．But in the brief period of its existence it has gained a firm footing not only among the college depart－

EASTERN


Kitchen Departaient－Domestic Science
young women students lnowledge of tical education．Largely through it inestimable value，but has awakened in influence the attendance of young wom－
en at the institution has doubled since Upon the completion of the new hor－ ticultural hall the old horticultural hall was given up to the department of domestic economy；and although the building was sufficiently large to ac－ commodate the earlier classes，the de－ partment has really grown to such proportions that more room is needed． The building stands at the very en－ trance to the campus．It is of one story and basement．The quarters are neat and cozy，but could no doubt be im－ proved upon by having designs drawn with special reference to the course of studies to be pursued．To the right of the entrance is the office，or reception－ room，ornamented with mural adorn－ ments and tastefully carpeted．Hanging on one wall is an oil－painting represent－ ing a landscape，painted and presented to the department by Charles Partridge Adams，one of the leading landscape－ painters of the country．Just in the rear of the office is the model bedroom， whose walls are also hung with some beautiful water－colors from the easel of Mr．Adams．Here the young women are given instructions in the art of bed－ making，arrangement and care of sleep－ ing－rooms，etc．In the main corridor of the building stands a large show－case， filled with samples of fine needlework performed by members of the class un－ der department instruction．The works are principally in mulls and laces Some fine specimens of organdie tuck ing and cambric embroidery are also ing and
In the rear part of the building are the bath－rooms，a model－closet and a fitting－room．In the southeast corner of the building is a large and sumny room which is used as a class－roon， dining－room and serving－room com－ bined．This is supplied with tables， sewing－maclines and combination china－ closets．The clusets are filled with fine ［CONCLUDED on Page 6 of this issue］

FARM AND FIRESIDE The Crowell \& Kirkpatrick Co.




The Advertisers in This Paper

 mention this paper when answering advertisements,
as advertisers often liave different things advertised

## |\$|ffrifil|haveurl|

I A. interesting article on Peking in a reDenby, former Minister to China, says: It mas be disagreeab to the Adminis. tration to engage in what may prove a war
of some maguitude, but we cannot abandon our fellow-citizens who are in China under our fellow-citizens who are in China under
the stipulations of the treaties. Sentimeuthe stipulations of the treaties. Sentimed
talisu inust give way to common sense. If a government does not protect its people,
what does it do except collect taxes? We have never taken any portion of China for our own. That same position should be now maintained. While military co-operation
cannot, probably, be avoided, it should be understood tlat our troops are in China for the sole purpose of protecting our people. I may come up when China is quieted.
"A residence under the shadow of the imperial city was thought to be the safest all the foreign residents scattered in the country, and passed sereral inonths ten, fifteen or twenty miles from the capital, or at the watering-place called Peitaho, with
not the least fear or dread of attack. For not the least fear or dread of attack. For women and the children roamed unattended all over the country. There were picnics in the old temples, on the hills and beside the streams, and idle summer life went on on the borders of the great plain in which
dreelt one hundred millions of people. My family and I spent twelve summers at the American temple twelve miles from Peking.
The doors were rarely locked. No precau-
tions were taken. We lived with the dentions were taken. We lived with the den-
izens of the temple, and the country people.
We bought their regetables, eggs, chickens, We bought their regetables, eggs, chickens,
ducks, fruits, meats, and all that they had
to sell. When there was sickuess iu the to sell. When there was sickuess iu the
neighborhood we did what we could to alleriate it. Many a dose of quinine was
administered by us. Unattended except by a single mafoo we rode every day for luiles
through the villages and fields. We exercised some charity among the poor, and we
distributed boxes of American seeds among
injury. Perlaps I ought to mention that the Russiau Miuister, who was sojourning at my temple while his legation was being built, was robbed of sorue money, but it was strongly suspected at the time
was one his own servants.
"It is all changed now. These people are savages. It is certain that many men, per haps millions, are bandel together with the fixed purpose to drive out the foreigners. It seems also to be sure that the actual goverunent has joined with the rioters to accom-
plish the same end. It is an uprisal of the dark-skinued man against the white man. It is scarcely worth while to inquire who is to blame. I could myself, from my own knowledge, point out various cases iu which rank injustice has been done to the China man, as it has been done to the African and the Indian, but in this emergency there is no place for recrimination. We are con-
fronted with the most dangerous condition of things that ever existed in the Far East. Self-preservation becomes the suprene duty of the homr. On the result not only the wealth which has been accumulated slowly for ncarly a century is dependent, but also the lives of many white men and women are in danger. Banks, railroads, steamboats, mills, merchandise, the myriad stores of trare, hang on the issue, and these are as nothing compared with the fruition of gi-
gantic hopes of a boundless comberce be gantic hopes of a boundless comiluerce be
tween our continent and Asia. In this tween our continent and Asia. In this and the reaction of desperate barbarism the and the reaction of desperate barbarism the
wise, the prudent, the progressive man will be found in alliance with his own race. If our Ambassadors and their suites have been murdered the crime must be punished. The sinking of the Maine impelled us to war. Dreadful as that crime was, it pales before Chinese treachery if any government at Peking aided and assisted in wholesale murder.
"The never certainly knew that Spain ordered the destruction of the Maine, but if sixteeu huudred white people have been slain at Peking there is no donbt that the persons controlling the government actively assisted in the stupendous crime. That
crime must be punished. The Eruperor, the crime must be punished. The Eruperor, the
Empress, the princes and the uobles must be put aside. Better partition than wholesale murder; but partition need not come. Radical measures must be adopted. There inust be a new dynasty-Chinese this time. The Manchu, with his tyranny and his vices, must be driven out, and we must help to do it. Thereiu comes the rub for us. In the duty traditious must give way, as they have often done in our history. It is delicious to live always away from foreign complications, unembarrassed by the world's doings; but greatness brings with it its overpowering obligations. Erery day the railroad kills men-to-day it killed more than a hundred. though men will be killed, and will die of though men will be killed, and will die of
disease on the flat plains between Tien-Tsin disease on the flat plains between Tien-Tsin
and the capital, still they must go thither. To stand eutirely aloof from the European powers would destroy our influence. If we go in with them in the effort to restore or-
der we may be able to exercise a great der we may be able to exercise a great
influence in determining the destiny of China. What, then, should we ask? First, protection to our merchants and missionaries, and then the autonomy of the eupire. It is sad to reflect that practically we had but the great work of introducing modern civilization into China went on. (On whom will history lay the blame that the nascent progress of the Orient has been checked, and savagery has resumed its sway? I will not undertake to answer that question now When the time comes to consider it in the reconstruction of the broken colnmins of the
most ancient empire in the world let it be most ancient empire in the world let it be
put and answered, so that old errors may not be committed again. For the present there is no hope iu any policy except the exercise of force which will overwhelm the
treacherous goverument aud its brutal allies in a conmou destruction.
"Whether the outrages culminated in greatly changed. The foreign powers must step in and restore order in China. A new
dynasty must be put on the throne. I venture to predict that it will not be many months before peace will prevail, and the take up the tangled skeins of their former occupations."

He following passages are from "The
Philippines: Our Approach to $A$ sia," by Philippines: Our Approach to Asia," by
John Barrett, in the July 2sth number "Harper's Weekly
The crisis in China demonstrates beyond question the importance of the Philippines. It proves their strategic and political value. The readiness and dispatch with which the United States is able in a supreme hour of peril to send ships, marines and troops to protect and rescue American lives and propOnly the lightning development and alauche force of the Chinese hordes have pre rented the complete success of these efforts "Instead of depending upon the charity of Guropean powers and being treated with patronizing kindness, we have been able to tand on our own resources as a first-clas power. We are cominanding the evident respect of other nations. We are treated as their peer. We are seeing our soldiers and ships occupying by far the most dangerous and the most responsible places in the line of advance and defense.
"Those of us who, from long residence in the Far East and through acquaintance with the development of events in the Philippines, are convinced by personal observation and xperience that America's position in thes lands is the mavoidable result of meeting esponsibilities that unexpectedly grew on of the war with Slain, likewise from famil arity with conditions in China, not only recognize the absolute necessity of the present action of the goverument, but appreciate
"Let us in confirmation Philippiue base.
"Let us in confirmation study the map of ascinating and instructive. All maps of important lands are interestiug to the stuent of world progress, but none is more surprising than that of the incomparable brokeu coast that reaches from Australia to Siberia, from Melbourne to Vladivostok. Its supreme revelation to the man who has not before iuvestigated these Asiau-Pacific shores is this: The Philippines are the ge ographical and strateglcal center of the Asiatic and Australasian Pacific coastr-line that has an unrivaled extent of 6,000 miles, has debouching upon it a of 6,000 miles, over $850,000,000$, including India, and supports already a foreign commerce exceeding ports already a foreign
"From this undeniable premise we draw another conclusion which has even a more direct bearing upon the value of the islands to the United States: The Philippines, being the geographical and strategical center by reason of physical location, will become under Americau influence the commercial center of the transpacific coast, seas and millions of people.
"A few statistical facts about the environment of the Philippines will help us to appreciate their importance. We are all now closely watching China, only 600 miles from our American territory. What of her future? She has $4,000,000$ square miles, $400,000,000$ people, and only 400 miles of railroads! She needs in the near future 40,000 miles. What opportnnities for American manufacturers, for American capital, and for American engineers, aud for American labor at home proriding what is wanted in China! China's proriding what is wanted in China! China's
foreign trade in 1899 under unfavorable conditions was $\$ 333,000,000$, an increase of 40 per cent over 1898. This was less than $\$ 1$ per cent over 1898 . This was less than $\$ 1$ a head of the population, but when the empire is opened to the world, the government recognized, and general material progress inaugurated, the trade should develop to at least $\$ 5$ a head. That of Japan has grown in the short period of thirty years from 81 to over 86 a head. That of America is about $\$ 25$. In all my estimates of foreign trade I include, of course, both exports and inports. Exchauge is the life of commerce. A nution or people cannot go on buying uuless it also develops a large selling capacity.
'If we multiply China's population of 400 ,000,000 by $\$ 5$ we have a rcasonable possibility of $\$ 2,000,010,000$ per anuum for that country aloue. We can never afford to retreat from such possibilities. Onr trade exchange with China now amounts, including Hong-Kong, to nearly $\$ 43,000,000$, which is about 12 per ent of the total, and 100 per cent increase ver that of ten years ago.
"Of the Philippines themselves, those of us who have traveled through them and other Asiatic lands say without exception that in proportion to area and population they surpass the latter iu marvelous fertility
of soil, iu variety of marketable staple well-watered valleys and high, forested mountains, and in natural resources await ing legitimate exploitation and development and a hlands will show in another deal ence of tmerican control, enterprise and capital, malued at $\$ 150,000,000$ Eren with Spain in charge they passed the $333,000,000$ mark charge they passed the $\$ 33,000,000$ ready. and safe in captal wil also find a railroads, in mines a, 0 , developm, industies, mines and general "Wevelopment during the next fire years. When we consider that the Dutch have as Luzon, nor as large into a garden sup porting $20,000,000$ people, and au annua foreign trade of $\$ 200,000,000$, we canno admit that Americans are unable to equal this record in the Philippines. If the British have taken Burma, which is even larger but less resourceful than the Philippines, and established in fifteen jeears perfect peace, contentment and prosperity among $10,000,000$ people not unlike the Filipinos, and an annual trade of $\$ 150,000,000$, we can more or I surpass their record in Americans.

The long and short of the whole Philip pine situation, fiewed in its moral light which is of far more consequeuce than the material side, is this: The C nited state is in sovereign control of the Philippine Islands as a direct and honorable result o meeting and mastering the unavoidable responsibility that grew unexpectedly out o the war with spain. The sooner erer American realizes this the better. History will confirm it beyond a doubt."

TThe early fall will witness a strikiug ex periment in Cuba," says "Bradstreet's." has been fixed upon as the date for holding elections throughout the island for delegates to a constitutional convention, to be called to formulate an organic law providing an independent government for the inhabitants of the island. If this plan is carried out it will mean that while the electoral campaign in the United States is at its height the question as to the form of government to be established for Cuba will be in process of solution in that island. Of course, whatever form of government shall be adopted by the people will not be of itself a finality. It must be made satisfactory to the government of the United States or it will not be put into force. The people of the Cnited States, through their coustituted authorities, reserve the right to decide whether the new constitution is or is not republican in form and until it satisfies that requirement it canuot be regarded as having any basis of validity. Of course, after having guaran teed to the people of Cuba a stable government, the United States authorities cauno allow a government to be set up which is
not stable. Neither can they permit the not stable. Neither can they permit the organization of a system of government which would give the inhabitants of the island or their representatives free rights of international intercourse, which in their exercise inight seriously embarrass the government of the United States.
"The island itself appears to be in a conabout most favorable for the experinient prosperity, compared with its situation duriug recent years. The war-worn land is enjoying the blessings of tranquillity. The confidence of the people is increasing, and decided signs of improvent vated area is about double what it we last jear. The smull farms in particular are receiving the The railroeds are being put into shane to The railroads are being pnt into shape to expected to fall to their share. From a expected to fall to their share, Fromi a said to have gone througlı a revolutionizing process. The yellow fever, so long a scourge of the people, has beeu in great part eradicated, and it no longer strikes the imagination as a dread visitation whose ravages cannot be controlled or stajed. As for the people themselves, such experience as they have been permitted to have in the exercise of the elective franchise has been of a kind to indicate that they might be trusted with a larger share of self-government than they have yet enjoyed. Altogether the new experiment will be made under favoring couditions, the one great drawback being systenı."

## 52

In most murder trials
Legal Murders the evidence is wholly ircumstantial, and in many the verdict depends largely on the testimony of perts, handwriting experts, etc. Any one who watches the proceeding closely trials will soon begin to suspect that such experts are for salc to the highest bidder, and that soune of them stand ready with any kind of opinion that
may be desired at one liundred dollars a day. I have not the least doubt that numerous legal murders have been comright along. Other people are coming over to that riew more and more, and for that reason the sentiment in favor ment, or its restriction to exceptiona cases, is steadily growing. In New
York state, for instance, this abolishment will soon be a fact.

Only a few weeks ago saw the end of one of the most remarkable murder triais that eris "eplace in wester been the center of interest and the main topic of conversation in the whole main topic of conversation in the whole
state for many weeks. A young wife state for many weeks. A young wife
diecl some three years ago, leaving a band (a regular scalawag, by the way) band (a regular scalawag, by the way
her large property: • The doctors gav a certificate of death by "heart failure. Later on somebody suspected her hus-
band of having killed her with prussic band of having killed her with prussic made out against the young man, and with the help of chemical and medical experts, the display of much rhetori about $\$ 40,000$, the prosecution managed to make twelve men agree to a verdict of murder in the first degree. Fortunately for the young man, he found a good
attorney to carry on his case, and while he had to remain for about two years under the shadow of the electric chair, the case being carried from court to court, a supreme-court judge finally court, a supreme-court judge finally
granted him a second trial just a day or two before the sentence of electro-
cution was to be carried out. The prosecution again made every effort t convict, brought out just as much ev-
idence as in the first trial, spent anidence as in the first trial, spent an-
other $\$ 15,000$ or more, but the defense other $\$ 15,000$ or more, but the defense
was able to discredit all this evidence was able to discredit all this evidence
so successfully that twelve men quickly agreed on a verdict of acquittal.

This case had its lessons, eren with out considering any of the many inter esting minor details. In the first place it gave an instance of the perverted ideas that a large portion of our district attorneys have of their office and its duties. Their chief aim seems to be to conrict every one accused of a crime, and
they exert all their energies and abilities they exert all their energies and abilities to accomplish that object. That seems to me a great wrong to the accused, who is supposed to be innocent until his guilt is proren. It should be done by
fair means, by evidence, not by manufactured testimony, low tricks, a per suasive tongue and a large expenditure of money. If there is not enough plain evidence to convict, conviction should not be secured by means of the persuasive tongue of a high-priced and rrilliant lawyer. It is an unpardonable up a weak case by saddling an expense up a weak case by saddling an expense
of $\$ 50,000$ on his comnty for suspicious expert evidence and the persuasive oratory of a celebrated attorney conviction secured by any means except plain. evidence stamps the district at torney a murderer, and even if the grievous wrong done him by forcing him to offset the people's exertions and to spend large sums of money for ex pert testimony and high-priced lawyers to present his side. No district attor-
ney has any business to try to convict a person of a crime by means of tha kind, when the eridence itself leares so
much room for doubting the deren dant's guilt that the prosecution needs guilty out of the jury-box.

Expert Evidence
And what is all this expert evidence worth? in the case in question had to pay big sums of money for it. I believe I have a pretty good idea of what the ordinary physicians know. Much of it is guesswork; much of it is based on earlier teachings and things that were once or are now accepted as scientific facts, but which have been or may yet be proved to be scientific errors. One docwill directly port his views contradict him and support his views with his oath. The same can be said of chemical experts, haud-
writing experts, etc. Their doctrines and statements do not agree. Indeed, disagrcement is the rule with them. I find that even the experts in agricultural chemistry are often a good ways apart, and sometimes wrong. Agricultural and horticultural experts are more in accord and agreement than any others. In the second trial of the before-mentioned celebrated case the medical experts made a soriy spectacle of theniselves, and they seemed to be the real parties on trial, much more so than the accused himself. They had treated and maltreated the allegedly murdered wife for a long time before her death, administered quantities of poisons, performed savage operations, death, and finally turned around and tried to swear the defendant's life away. tried to swear the defendant's life away.
They, if anybody, seemed to be guilty of the murder.

Nobody stands so high from the danger of having peculiar circumstances form a combination which will point to him as being guilty of a crime. As an innocent person, I would hate to have my life or reputation made dependent on expert testimony. Besides, there is an inclination in the majority of people to believe the bad things said of another even more quickly than the good things. All one has to do is to show that a person is benefited by committing a crime, and committed it, and many people will at once believe him guilty. His inclinaonce belleve him guilty. His inclinaple and been the cause of hundreds of egal murders. Old prejudices born in ignorance, early associations, supersti-
tion, are also very powerful; and we tion, are also very powerful; and we
should not forget that it is not so many should not forget that it is not so many
years ago when witches were burnt at years ago when witches were, burnt at tures, stake, confessions extorted by the law punished by hanging. Old prejudices cling to people like burdocks to a horse's tail, and few people, even in the present enlightened age, are entirely free from theni. As an innocent defendant, I would want a jury composed of bright, broad-minded people; and I would fight with all my might against the armission to the jury-box of any backwoodsman with prejudices clinging to him more thickly and tightly than burdocks to the ram's fleece. We have been making rapid progress in civilization, but plenty of old prejess in civilization, but plenty of old prejudices
still live, and many innocent people will still live, and many innocent people will yet be convicted of crime. The ten-
dency of the times, however, is toward dency of the times, however, is toward a better state of affairs, a moderation
of former severe views about crimes and punishment, and a steady growth of the sentiment that the object of prosecuting crime is not so much the punishment of the criminal as the prevention of crime itself.

## Rabbit Literature Miss J. IV., of Kansas,

 can procure the best literature on Belgian hares. The only American booklet on the subject that I am acguainted with is IV. N. Richardson's "The Rabbit," published by Clarence C. DePuy,in Syracuse, N. Y., price 25 cents; a
small book of some forty pages, and goor as far as it goes. Most agricultural papers at the present time publish frequent articles on this swbject, but
they are largely consisting of arguments for and against the animal. When I read our friend Fred Grundy's warning against the fad I had to exclaim, gers of the confederates, and seeing his friend Brutus among them, "E tu, Brute (You, too, Brutus)?" But he is right in warning farmers against the expectations of extravagant profits. think I know what I am talking about, after having kept Belgian hares for pleasure and profit for the past twentyeight years or so: and I do say that it is a pleasant fad, an interesting animal, and profitable if you make it so. Some people dispute that the meat is salable. Mr. Nicholls sells his surplus, or meat stock right to his own townspeople at stock right to his own townspeople at dressed, and he has not enough to fill he demand. I know that I have not rabbits enough to fill the demand for my own table. And as for the flavor Give ine the rabbit rather than the ave
age fowl every time.
T. Greiner.

## SALIENT FARM NOTES

Fair-time Not loug ago I asked a American, about philosophical young what portions of the year he looked forward to as best of all. "Well," said he, after studying a minute, "the first good time we fellows look for is school out; an' then comes fishin'-time, an' time, an' then fair-time, an' then Thanksgivin', an' then Christunas!" He studied profoundly a minute longer,
then looking up, exclaimed, "I can't then looking up, exclaimed, "I can just say which we look for mo. like every one of 'em first-rate!
Well, "fair-time" is here again, and every farm should have at least one open-eyed representative at the nearest good county fair, and, if possible, one or more at the state fair. Most townspeople, as well as thousands of farmers, attend fairs for amusement; that is, they go there expecting to be amused and unless there is a fast and furious midway, or a lot of racing, balloon ascensions, or other features of that character, the fair is considered a fait ure. Live, enterprising farmers regard fair as an educational exhibition, and they go to see what is newest and best in farm machiuery and household appli ances, and also to see how nearly their own stock is equal to that on exhibi tion. Unless these features are full and complete, and the various depart ments well filled, the fair has no at tractions for them. A live, wide-awake fair if he learn a great deal at a good purpose, and very often the informa tion thus acquired will prove of lasting benefit. If one attends simply to be amused the benefits will be ineager.

Not long ago a farmer frieud said "I hate pienies, fairs and such like gathrings in hot weather, because a fellow must dress up if he goes to them, and I hate to have to dress up in hot weath er." I once met him at a picnic, and he was "dressed up," and I never saw a person more thoroughly uncomfor-
table. He had on a stiffly starched shirt, a thick, turn-down collar, a heavy tie, and a suit of clothes that would be comfortable if the snow was flying. And the thermometer stood at ninetywo in the shade. At home his every-day outfit consisted of a thin hickory shirt unbuttoned at the collar, a pair of light and strav trousers, cotton socks, shoes comfortable on a hot day when "dressed up." I have met hundreds of farmers at fairs and pienies clad in suits that weath be very comfortable in freezing sweat trickled down their necks, and they looked as hot as harvesters. I notice, however, that they are learning how to "cress up" in hot weather. Every season 1 find more of them in
light, cool, summer suits. The stiff, hard, hot, starched shirt and thick double collar are disappearing, and light negligee shirts, with other suitable summer clothing, are taking their place, and the men look as cool and
comfortable as their city cousins, and
enjoy their outings quite as well. To thoroughly enjoy an outing in hot
weather one xuust be lightly clad, even weather one ruust be lightly clad, even
if he is accustomed to worlking in hot if he is accustomed to
sunshine all day loug.

Saving Steps It is surprising how peoand take thousands of unnecessary and take thousands of unnecessary
steps because they do not exercise their steps because they do not exercise their
brains a little. I have seen men make brains a little. I have seen men make
four trips from the house to the barn four trips from the house to the barn to get four little things they needed. I have seen women make six trips be-
tween the table and pantry in moving six little things, three from each place when the whole could have beeu done in one trip. I have seen them go into every room in the house from three to eight times in getting ready to go to town or to church. Dress would be pins in another, hat in another, then brack to the first for a handkerchief, and so on, until they had walked nearly half a mile; and when they were ready to start they would be sweating aud "all start they would be sweating aud "all doubletrees, clevis or a chain a quarter of a mile down the field, and an hour later have to walk down there to get them. By keeping our wits about us them. By lieeping our wits about us
all the time we can save a multitude of all the time we can save a multitude of
steps and hours of time every week. steps and hours of time every week.
An old farmer once said to his son, "Don't take a step, Joln, until you see whether you can save two or three. Do one thing going and another coming if you possibly can. Don't wear yourself out unnecessarily!

Cutting Corn Corn is growing rapidly of acres will be ready to cut in As soon as the grain is olazed it is ready to cut, and whether the time be Angust or October the cutting should be done. In, a damp season I have seen the stalles and leaves as green as grass when the grain was glazed, and when cut in such condition and properly shocked it makes first-class fodder, and stock will eat almost all of it. When stock will eat almost all of it. When cut in Angust or early September the
shocks should be made rather smaller than when cut later, especially if the than when cut later, especially if the
season is somewhat wet. Some cutters start a shock by laying three or four bundles crosswise on the ground. That is an easy way, but a very wasteful one, for in a wet season both the stalks and corn that lie on the ground are spoiled, while rats and mice often play havoc with it. Set every stalk up as straight as it will staud, and tie every shock near the top as tightly as it can be drawn and the fodder will cure out nicely and make feed equal in value to good timothy hay. Fodder molds in the shock only when the shocks are made too large and not set up well, or when tied too low. Get the tie on before the shock begins to lean or twist, get it up near the tops, and draw straight for months and not mold.

To Be Sure, Graft For some years I have whether the much-maligned tree-agent s much worse than some nurserymen. Seven years ago I bought a lot of Mammoth Black Twig apple-trees from a prominent uursery, and this year they are bearing some fruit. It does not appear to be all the nurseryman's cat alogue painted it, so I called the attenion of a pomological friend to them, and he at once pronounced them to be the Minkler. When I bought them I supposed that as I was dealing. "direct with a reliable nursery" I would surely receive trees that were true to name; many who have dealt with the wicked tree-agent, who sells all varieties from the same bundle. I have about concluded that the surest plan to obtain what onewants is for him to do his orvn grafting. One thing is certain, if we ecure orafts from the trees that bear the best fruit, bear most regularly and re strong and vigorous growers, w vill not be disappointed when they reach a fruiting age. Grafting is not a difficult operation, and stocks can be bought cheaply, and when we have grown the trees we know exactly what they are. I think it will pay to look
into this matter now, while the trees are fruiting.

Fred Grundy.

3) unknown factor, though we do know that auy material rise in price limits demand wonderfully in Europe, where the poor eat much rye and other hread If the present corn If the present corn crop should be
equal to that indicated by the July report of the government it will tend to port of the government
hold down wheat prices.

The Other Side.-On the other hand, more damage to the spring-wheat crop, or crop failure in some European countries that did not have the usual strong stand of plants last winter, or failure of the Argentina crop, would send up prices quickly, because the world's surplus is rery small, and some shortage would attract immediate notice. It is a time of wars, and there is danger of rupture betreen many nations now, all rupture between many nations now, all of which tend erentually porting countries. As the case stands the speculator is holding the price o wheat at the point prohabilities indicate to be the true market value of the grain. If all goes well there is bread stuft enough; if matters go awry with European crops, or iu Argentina, or iu our own Northwest during these fey weeks, there will be some shortage, and adrance in price. No one knows now

Doing a Safe Business.-It certainly s not my object to eucourage the free selling of wheat by farmers. I hope for better prices, and see many chances for a material adrance in price. But I am trying to make plain the fact that there is no certainty about a rise in price. The professional speculator is in a hetter positiou to foresee a rise in price, and to profit thereby, than is a farmer. It is his business to get facts ahead of the masses, and to use them He often fails to read the signs arioht though speculation be his specialty hough speculation be his specialty , making his money slowly as tarmers , safely win o, safely wis captal in grai peculation? L doubt it most seriousl. hare been successful as speculators. In hare been successful as speculators. In the long run they come out losers.
They go into a game that is played by experts, and when they purchase the put their judgment against the trained udgment of thousands who would quickly buy, and thus make au adrauc in price if they thought conditions rarranted theu in doiug so.

Holding One's Crops.-Storing and holding one's own crop is rastly different from buying for speculation. The ormer comes in connection with pro duction, the size of the crop limits the isk taken, and past earnings are no isked. Speculation is an outside affair demanding the renture of past earnings, having no reasonable limit, and distracting attention from one's regnlar business. The first is, in its rer y ts rery nạture, full of hazard.

## FARMER BOYS, REACH OUT

There used to be a theory that the boy who happened to be born upon the farm was of all persons most to h pitied. Fate had nothing in store for him, so the world thought. except to dig in the ground and stick to the hoe until his fiugers grew as crooked is bird's claws in the endeasor to wring livelihood from old Mother Barth. This theory never had amy fomma-
iou in fact. It was a most wretched thing to throw at any boy that he wa oomed to be arobly because he was the son of a farmer. But it camnot be been discouraged and perhaps kept been discouraged and perhaps kept
from taking their true place in life by the gloomy predictions of those who lid not see the possibilities which li so thickly about the farmer boy's path-

## Now, I am going to tell you what I have scen some farmer hoys do. Then

 we will see whether theory and fact correspond in this case or not. I reparents, on a "way-back" farm. If ever fate seemed to be against a boy itdid against him. But he had the will to do great thinos, and all alone he set out. Working on the farm in the
the fall, and by and hy teaching a term or two of district school, he worked himself through a three-years' course at the academy. Then he entered a newspaper office and hegan setting type. At first he received simply his board. Soon he proved more valuahle to his employer, picking up items of the case to the reporter's desk. From that point he that point he went on rapidly. A few editor of one of the leading papers of editor of one of the leading papers of
his county. Then he represented his his county. Then he represented his
township for fire years on the hoard of supervisors, the law-making body of the county. Shortly he was promoted to be member of the state legislature, filling all these positions with honor to himself and to the satisfaction of his constituents. Is that all? No; I saw that man return to the country and buy a farm and set about the work of making it one of the best places in his locality. There he is to-day, one of the leading citizens of the state. Would any one say that farmer boy had proren to be a failure?
Another farmer boy I think of now, by working hard at home evenings and odd hours prepared himself for entrance to one of the hest schools of his native state, passing the examination with credit to himself and proving conclusively that the hrains of the country are not reserved for the denizens of the city. I know of two other young men who hare made their way through a four-years' course at college alone and unaided.
I can think of a number of farmer boys who are well educated, but who do not think it heneath them to work every day upon the farm. They have been called upon to fill some of the most responsible places in the gift of the people, and hare done their work faithfully and well. While on this point I may say that I remember hearing a gentleman who lived in the city say once that he thought the government of the county iu which he resided would be safer in the hands of the farmers than it would be if intrusted to the the politics of the city. I thought this a fitting tribute to the integrity and ability of the farmer
In the lcgislature of the great state of New York two years ago sixteen farmers sat as law-makers, and they were the rery salt of that body. Their hands were free from the touch of corruption, and their sound good judgment caused them to be sought by
those who might hare been supposed to be far higher in the social scale. There will be more farmers in public life when our people come more fully to appreciate their sterling worth.
So I say to the boys of the country, Reach out! Toward what? Toward the possibilities lying so closely before you. Who has a better chance than Trees, birds and plauts of every name Trees, birds and plauts of erery name
and nature lift up their heautiful faces at every step and invite you to learn their secrets. How hittle most hoys, eren in the country, really know about the simplest things they meet from day to day! A little study night and morning will enable you to master all these subjects. A boy 1 know of began studying the common rocks of the farm he lived upon. To-day he is a teacher of geology in one of the greatest universities of this country
But is it worth while for one who intends to be a farmer to spend his energies in studying such things? Forever ves. The best farmer is he who has the best all-round education. For such men the world is fairly longing. Aside from the question of one's own individual success as a farmer society rields the palm to-day, and $y$ ields it gracefully, too, to the farmer who has mastered not only Nature and her mysteries, but can meet the professional man in every field and hold his own. thing about all kinds of husiness. He will when he finds of what incalculahle value it will be to him to possess such knowledge.
How can the farmer lad do all this? By doing to-day the thing he can do faithfully and well and reaching out for
the next higher thing. Do it yourself. Sereral years ago I saw in a certain
these lads was laboriously sharing himself. The other hoys were inclined to laugh at him for his awkward efforts. Some advised him to pátronize a harhe In spite of all their chafing he worke away persistently. The owner of the office had heen noting all that was gong on, and finally he said, "Johnnie s all right. The capital looms hefor he hoy who can do little things for himself." The prediction proved to be true. That boy hecame a respected legislator of his state
Reach out! Keep cool! Turn your eyes toward the top!
brush. once had a hard joh of mowing brush. The field stretcherl away up long hill, which seemed to me, as I nountable An old farm-hand wh happened along just when my youthful pirits were at the lowest ebb said Keep your eyes turned away up yonder toward the top, and keep pecking away. You'll get there.
There is not a little wisdom about that advice. Keep your eres turned toward the top and work array

dgar L. Vincent

## ORNAMENTATION IN FARM-LIFE

## In a recent issue of a inonthly agri-

 cultural journal a writer adrises the majority of the ornamental trees and shrubs that may be found on a farm and particularly when they are located in any place on the farm grounds that might be utilized for growing crops. ore are trees and shrubs are few and far between such adrice is uncalled for, and where such conditions ainly ill-advisedAs is generally known, there is a nature on the are the ornamental in nconceivable how any one can have he heart to adrise the destructio Surely there is something to he gotten Surely there is something to he gotten lard labor necessary to raise them. It s admitted that the scrious question of bread and butter with a possible mortgage are things first to be considered orer is opthy his hire he entitled to enjoy some of the comforts of farm-life, instead of bending ever energy to make it all work.
In some sections of the country the independence of farm-life is giving way his is due almost wholly to mistakes of the farmer. Along the Jew Jersey coast, or rather on the farms back of the towns along the coast, farming has giren place to "trucking"- the raising of fruits and regetables for the sumuer resorts-uutil it often seems as i unk hearier farm crops were becoming hours of labor for three or four months, wours of labor for three or four months, with results frequently far from proactually known farmers in the section referred to, to devote every inch of their arms to the growing of summer regetables, and wind up the season with quite a little sum in ready cash, but with a ong winter ahead, and cows, horses and with the money received for the summer vegetables. The result, as migh have heen expected, was a mortgage. This may be getting array from my subject a little, but is referred to beause in one case a most beautiful row sole purpose of obtaining more land for summer vegetables. Fortunately such a case is an exception, but on the other liand are those who will not deote the small space necessary for trees nd shrubs. be crops. There is not a farm in this country but where some portion can be devoted to the ormamental without
loss. What is lost in the way of crops oss. What is lost in the way of crops will he gained in giring added value to the property hy reason of this orna-
mentation. We are all familiar with he story of the man who, wanting note discounted, went to the bank for that purpose, and though it was known his farm was mortgaged, was accomive grounds around his farm home. [CONCLUDED OA PAGE 6 OF THIS ISSUE]


GRowing Cauliflowers.-A lady
reader, Mrs. W. B. C., of Charlottsville, Md., wants me to tell her how to manage cauliflowers so they will licad well. It is not the easiest thing in the world to grow fine
lieads of this. regetable. Sometimes, when soil and weather are right, the plants will head rery nicely, and at tirely worthless. In the first place, the cauliflower needs plenty of food and drink from the time hat the plant developed. Any check given to it at any time is fatal to success. It takes less time from sowing seed to grow a duce a good cabbage, even of our early sorts, and usually I can and do secure
some good early cauliflowers, having them ready for use and market even beforc I have a head of early Jersey
Wakefield cabbage. In many home garWakefield cabiage. soil is very rich, in consequence of heavy ammual applications of
stable manure. Such soils are well stable manure. Such soils are well
suited for caulifower-growing if a spot is selected where any of ne members of the cabbage tribe had not been
grown for one or two years just preceding. There is only one danger in such locathe crop, such as the cab-bage-fly, which makes the cabbage-root maggot, the harlequin-bug,
bred on cabbage and similar crops the year before, and will be present in large numbers again, ready to raise the dickearly cauliflowers start the plants from seed in hotbed, greenhonse, or in a box in the house, at about the same time you start your early-cabbage plants, which in Maryland is probably early in February (possibly late in January). While the plants are yet small pick them
out into a cold-frame, so as to grow out into a cold-frame, so as to grow
them short and stocky, with well-developed roots, and just as soon as you can get your ground ready put the plants out, giving them not less than four
square feet of space apiece. More is better. It you use a horse-cultivator to work a portion of the garden, make the
rows three feet apart, and set cauliflower and early-cabbage plants about two feet apart in the rows.

Too much attention cannot be given to this crop afterward. The soil should
be kept well stirred about the plants be kept well stirred about the plants
in dry weather. Never allow a crust to form around them. Should it be very hot and dry I would place some litter-
coarse manure, leaves, old corn-stalks, coarse manure, leares, old corn-stalks, ground, but lie rather loosely on itall over the patch around the caulia good lot of water, or., better, liquid manure, soap-suds, etc., on the litter, giring the ground underneath a good
soaking. If you have reason to believe that maggots infest the roots of the plants, make strong int or quart close to each plant, so thill and kill the maggots by contact. Freshi
lime must be used for this; and, by the lime must be used for this; and, by the
way, an occasional heavy application of lime is a good thing for auy ground where cabbages and other plants of the
cabbage family are grown more or less every year. Few home gardeners can be expected to have nitrate of soda
within easy reach. I always try to within easy reach. 1 always try to
push my cauliflowers by -repeated applications of this form of nitrogen. I feel much surer of my crop if I can give
to each plant an ounce or so during the season. It may be put on scatteringly aronnd the plant in one or two applications, or be put into the water with
which the ground is soaked in a dry spell. If you have saltpeter, try a little of that.

After the heads begin to form the direct sunrays during hot and dry weather can do a good deal of damage. For that reason the outer leares are folded or broken over the heart of the plant, or tied together at the tips in such a way as to protect the head and keep it white
and compact. For the late crop I sow
seed during Junc in rich ground in
any garden-spot that happens to be vaany garden-spot that happens to be va-
cant at that time, putting three or four cant at that time, putting three or four
seeds in a place, say two and one half feet apart in the row, previously marked out with a shallow-ruuuing marker, covering a little soil over it with the
foot and firming the soil over the seed by stepping on it. The plants seldom fail to make their prompt appearance, even in dry weather, and grow right
along while it may be too dry for along while it may be too dry for
successful transplanting. When the plants are of some size, say three or
four inches high, and well rooted they are thinned to one plant in a hill, and if the weather is right the plants pulled up may be set out in any other place
then vacant. This crop is handled and then vacant. This crop is handled and tended as carefully as the early-aauli-
flower crop, and will give good heads in flower crop, and will give good heads in
September or October, just at the time when people usually do up their pickles.

## Wasps and Fruits.-Wasps are hard-

 ly ever mentioned when we talk about Iy ever mentioned when we talk aboutthe enemies of the gardener and fruitthe enemies of the gardener and fruit-
grower. . Yet they are frequently doing a great deal of damage. Some of my Columbus gooseberry-bushes, for instance, have only a few sound berries left on them, although they were loaded "ith fruit and only few berries have beeu gathered. Swarms of wasps, wild bees, etc., come to these bushes, puncture or rip open the slins of the ripest
berries and take out the whole of the pulp. 'These bushes (now quite large) were transplauted to their present location in early spring; of course, with clinging to their roots. The effects of the transfer were apparent in various directions; uamely, reduced growth of wood, smaller berries and earlier ripen-
ing. These bushes are more exposed to view and air and more accessible generally than the older gooseberry-patch from which they were taken, in order to give the remaining ones more room. In the older patch the Columbus gooseground, so heavy is the load of fruit ground, so heavy is the load of fruit
aud so large the size of berries. But aud so large the size of berries. But
not a wasp or bee is to be seen there. At one end of the patch stands a bush of the Red Jacket, a variety of which
Dr. Hoskins, of Verment, Dr. Hoskins, of Vermont, claimed to have gathered one half bushel of
fruit from a single bush. This bush fruit from a single bush. This bush
has never borne a heary crop, simply because it did not have the same generous treatmentin the way of manur
ing and mulching as the balance of the row. This spring. I covered the ground around it deeply with ashes (coal and wood), also mulched heavily with rich manure. Now the bush has a heavy crop, although it does not hold the candle, in this respect, to the Columbus. ful siophail me to describe the wonderfuime. If I the the ler presents at this this mass of fruit I would simply be this mass of fruit I would simply be
accused of having taken it from a nurseryman's catalogue.

Late Crops.-We can yet grow various things from the seed; for instance, radishes, both summer and winter, flat turnips, spinach, endive, kale, etc. Don ${ }^{\circ}$ t
let jour nice garden soil be idle yet. T. Gretner.

## INQUIRIES ANSWERED

by t. greiner
Cultivating Morels.-C. C., Pates coun-
t5, Mo., writes: "Can the mushroom that grows in the creek-bottomes, known as morel Morchella esculenta, be grown
RErix:-:This morel is one ot our best edible Rexix:-- Mis morel is one of our best edible
mushroms, fut it usually grows singly and scatteringly, and I have never learncd of any oue having made a success of growiug it under cultiration.
Worms on Blue-husk Tomato-plants. drawbacts in rasing the blue-lusk tomato hrawbice in rasing the blue-husk tomato
here for the past few years has been the
attack of worms, which sometiulics destroy attack of worms, Which sometiulcs destroy
the whole crop. I would like to know a remthe whole cro,
edy for this."
Respry:-The inguirer should have given a
descriptiou of the "worm." If it is the lage descriptiou of 'the "worm." If it is the large
green tobacco-worm, which feeds on aluost green tobacco- worm, which feeds on aluost
all members of that group of plants (Solall members of that group of plants (Sol-
anaceae), hand-pickiug will dispose of it. Most anaceae), hand-picking will dispose of it. Most
other " worms " can be destroved by dusting
with bubach (Coliforni insect-powder) or other "worns" (an be destrosed by dusting
with buhach (California iusect-powder) or spraying with kerosene emolsion, tobaceo-tea, suds made of whale-oil soap, ice-water ou a
hot day, hot water, or with some poisonous hot day,
solution.

large quantitles of frult are grown and cured for market in the dry stace, orates who
manufacture or sell evalporators aud other machiuery necessary for the operation. Id not see any reasou why tobacco-barns could
not he fitted up and used as suitable buildiugs for the purpose. In the portlon of the coulu-
try where $I$ am located there are no preserving establishments in operation.
Sowing Orchard-grass in Orchard.G. S. R., Belle Haven, Va. I do uot think that it would be advisable to sow orchard-
grass in your orchard. It is one of the most grass in your orchard. It is one of the most
yaluable grasses, for pasture or meadow, but we canuot have a good orchard and a hayfeld on the same gronnd. If any grass is
sown in the orchard it should be ciover. The sown in the orchard it should be ciover. The
clover should be mowed frequently, and the clover should be mowed frequen thy and and
crop left on the ground as a mulch, and should not stand more than two years before it is plowed under and followed with a cron best treatment for a bearing orchard is to best treatment for a bearing orchard is to
plow the ground shallow every spriug, and peep the weeds down by the frequent use of a cuitlvator or spriug-tooth harrow until about the first of August. Before an orchard
as
has reached the bearing age early sugar-corn or garden vegetables may be profitably grown between the tress if care is taken to keep
up the fertility of the soil by the application up the fertility of the soil by the application of maure.
Oyster-shell Bark-louse.-E. T., Filion, Mich. The samples of apple-tree bark that you have sent to me are badly lufested
with the oyster-shell bark-louse. This scaie has been disseminated over the country on trees sent out by careless nurserymen and by
other means'until it is uow foud iu almost other means until it is uow foud iu almost apples or pears, aud if left unchecked is often very destructive. It more often attacks aud seriously injures trees that for some reason are unhealthy or where their cultivation is neglected, and are therefore poorly fitted to
support the extra drain of the scales. If support the extra drain of the scales. It ing thriftily they will not show much injury for some time, but wherever the scales are dis for som destruction. Under each full-grown female scale there is concealed from forty to sixty eggs, from which lice are hatched during the last of May or early June. At this time the newly hatched lice are easily destroyed by spraviug with whale-oil soap solution, or with any common soap solutiou, onc pound to from
four to seven gallons of water. The insects begin almost iumuediately to secrete a scale and later in the season are more difticult to destroy. For destroying tbe adults, spraying in the spring with keroseue emulsion in the spring, with keroseue emulsion or water, adding a little carbolic acid to solution, will destroy all that it reaches and will not injure the trees.
Spined Soldier-bugs.-EE. C., Union City, Ind., has scnt me by uail samples of an branch of an apple-tree, and requests the name and value of the insect. He writes damage to orchard and forest trees in the section where he resides, and that he oobserved these insects on a branch of a tree After examining them carefully and watching their actious he found they were not damaging the tree, but bad eutirely rid the branch upon which they were located of the canker,
or measuriug, worm. He then removed some or measuriug, worm. He then removed some
of them and placed them upou another tree, aud found that within forty-eight hours they aud found that within forty-eight hours they
had rid the tree of the greatest part of the worms. The insects in question were uot as worms. The insects in question were uot as
promptly at hand as they ought to have been iu these days of fast mails, but were received in a coudition to be easily identified. They were larvae-of Podisus spinosus, a species of rapacious insects popularly called "spined soldicr-bugs." They suck out the juices of beak, and subsist entirely upon the larrae or caterpiliars of other insects which are injurious to regetation; hence, they ought to be
protected and encouraged to multiply as protected and encouraged to multiply as
much as possible. The young, or larvae, have sects. They are quite common in sonte sec numerons have proved to be a great help iu keepiug the canker-worm and
other caterpillars in check. They are credited with preving upon the cottun-worm, and family, feeding upon the larvae of the colorado potato-beetle in such numbers as to
render spraying with Yaris green unnecessary. As they are sucking. iustead of blting,
insects, and apparently prey ouly upon the insects, and apparently prey ouly upon the liviug caterpilars, it is uot probable that they
would be greatly injured by the arseuical would be greatly injured by the arseuical
poisons that are used iu combating the can-ker-worm. But where the soidier-bugs or their the spraying is unuecessary and hardly advisable, and the nse of kerosene emulsion for the destruction of sucking iusects would prove an injury rather than a beuefit. The same is also true where the larvae of the
lady-bug are found frequenting plants in con-lady-bug are found frequenting plants in coneggs and young of the aphis aud other iujuri-



ALLOWANCE OF GRAIN

Tgrains little diterence hens, as there is no standard quintity or allowance. In the use of meat-meal ounce a day to each fowl, irrespective vide nitrogen and mincral mat ter. The by an animal is estimated at ahout This perely smpporis life: all increase, plied by anduct whaterer, must be suptwenty hens, weighing one hundred pounds, would nced three pints of solid
nutritious matter daily to live. without increase. 'This is equal to three twentieths of one pint or about one and one half ounces of food, are then required the total daily food requirements being one fourth of a pint, and this is the rule among some experienced poultry-
keepers for winter feeding. One quart of corn or other grain for eight hens is the allowance, giren at least in two
meals, and it has been found that a flock of hens, when supplied with a constant provision of gram before
them, will sometimes consume this what small things in the shape of insects, grass, etc., they may pick up; hence allowance must be mat allke, circumstances and individuality. To a ooid orerfeeding the quantity should
be reduced one third except in severely

## LATE HATCHING

The late chicks are sometimes more protitable than the carly broods, for after the weather becomes wamm they do not require much attention. It may be mentioned, however, that many
farmers object to late-hatched chiclis, because they claim that they are at tacked by lice when young, and do not
thrive. That the younger chicks will not withstand the attacks of lice, which
are more numerous after the weather becomes warm, is true, but it is the
duty of all who expect to malie profit is not difficnlt to do so if the work is commenced early. The cost of raising insects and seeds in plenty, is ahmost nothing, and there are but few losses July, or even as late as August, are preferred in ruarket to fowls; but, such two and one half pounds each, and a pound, according to quality. It is a mistake to cease hatching chicks be-
cause spring has passed; and even if it is difficult to ship them to market they may be consumed at home; but in all sections where there are large cities that can be easily reached late chicks
that are fat and in good condition will sell rapidly, as there is a demand for such every fall. Sitting hens may be
put to good service in summer at hatching broods.

## value of egGS on the farm

It would be wise to substitute more eggs for meat in the daily diet. About
one third the weight of the egr is nul triment. This is more than can be said of meat. There are no bones and tough pieces that have to he laid aside. A
good eggg is made up of one part shell, sixty parts white and thirty parts yolk. The white of an egg contains eighty-
six per cent of water, the yolk fiftytwo per cent. The average weight of egg is animal food, and yet there is

POULTRY-HOUSE FLOOR
Of the many cheap floors which may that is firm and hard should be pre that is firm and hard should be pre-
ferred. First dig the ground out to a depth of twelve or fifteen inches, and
 of these are eighty and ninety yearsold, illness. An egge soon becomes stale in bad air, or in dry air charged with car-
bonic acid. leggs may be dried and bonic acid. liggs may be dried and
made to redain their goodness for a long time, or the shell may be var-
nished, which excludes the atir, when, if kept at a proper temperature, they may he kept for several weeks. The
French people produce more eggss than any ot her, and ship millions of them to England annually. Fresh eggs are more the top.
parent in any place. In water in whicl one tenth of salt. has been dissolved good egg's sink, and indifferent ones swim. Bad eggs float in pure water The best eggs are laid by young healthy hens. If the hens are properly
fed the egrgs are bettcr than if the hens fed allowed to eat all sorts of food.

## ROUEN DUCKS

The Roucn is considered one of the hardiest and best of the duck lind. The head of the drake is a lustrous green, the bill being greenish yellow, with a bean at the tip. The neck has
a distinct white ring on the lower a distinct white ring on the lower the back. The upper part of the back is ash-gray mixed with green, with
lustrous green on the lower part, lustrous green on the lower part,
the saddle-coverts being streaked with brown lines. The breast is purplish brown, with no gray; under part of the body gray, being lighted behind, with black under the tail. The wings are grayish brown mixed with green, with
a broad ribbon of purple, with green and blue tinges edged with white. Tail ashy white, the outer web in the old birds edged with white. Legs orange deep brown on the head, with two lightbrown stripes on each side, dark-orange bill, having a bean at the tip and a dark blotch on the upper part. The back is light brown marked with green wings grayish brown mixed with green
and having the purple ribbons across them; the neck is light brown, with dark-brown penciling and no ring; breast dark brown penciled with
darker brown; tail brown; legs orange

SHADE IN WARM WEATHER
The lack of shade in summer is often hindrance to egg production. Where he hens have a free range in the orchard they cau comfortably provide for themselves; but there are many yards
in which there is no shade. Shade is very easily and cheaply provided. A piece of muslin drawn orer one corner
of the yard, orer the top of the fence, or fastened to stakes, is all that is re quired: or, if preferred, brush may be and protect the hens against the hot scorching sunshine of midday will keep away much suffering. Not only shade,
but cool water and a diet of grass assist in promoting health and production.

INVIGORATING THE FLOCK
No stock so quickly runs out and deteriorates as poultry. To keep up a fair standard a new and pure strain of blood must be infused at least every
second year. The skilful breeder, with care and patient breeding, keeps the tountain pure from which is to flow the stream that will enrich every barm-
yard flock, and without which infusion yard flock, and without which infusion the best stock of mongrel fowls will a few years, like the inferior birds that we often meet with among unenterprising farmers, which are really proach to the breeder and a pos

SECLUDED NESTS
The nests should be made as dark and secluded as possible, as this is somewhat natural. Open, light nests other, and also induce the habit of eating eggs, which is a vice to be avoided. Seclusion and quiet surroundings are preferred by the laying hens.
 in the winter season, but when eggs are fifteen cents a dozen the consumer gets about two and one fourth pounds food material for twenty-five cents, or according to ruliug prices. But in
both cases the farmer sends away the both cases the farmer sends away the
same proportion of material from his farm, and whether the hen picks it up herself, or is given her share by her from the farm occuis. The hen on the range, however, utilizes materials that farmer cannot sell. A dainty young weed, a piece of bone, insects, grass, seeds and refuse thrown away converting them into eggs. It will pay in winter to save food by keeping the hens warm. If they are not well shel-
tered more corn will be necessary to heat their bodies. Shelter is not really food, but it serves to economize in it use by preventing waste of corn in the form of heat. In summer they must grain, compelling them to work for

INQUIRIES ANSWERED

## Crossing Non-silters.-G. S. W., Joliet, Ill., writes: "The White Legborn and Blacls Minorea are botb noll-sitters; wbat kind of

 breeds?"Reply:-There is nothing whatever to gain. Reply:-There is nothing whatever to gain.
When different non-sitting breeds are crossed When different non-sitting breeds are crossed
the progeny usually are sitters. When breeds
are crossed the result is mongrels ill two or

## Space Required.-"Subseriber" writes

 "Wonld chickens require much space the year
## the first six months, and tben on the other

## Reply:-Abont a hundred hens could kept on an acre fenced if green food

grown on one side at a time, the fowls turne They would when but a few inches Coobs and Incabation.-F. H., Piper making a coop.-Is it better to hatell chicks
$\qquad$
$\qquad$ preferenee and location. much depends upon
better for incnbation in summer probably

## 

Pleasant, Palatable, Poteat. Taste Good, Do Good,
Never Sicken, Weaken, or Gripe. 10 Gc,
Soc. Write
KEEP YOUR BLOOD CLEAN


THE WHEEL OF TIME Metal Wheel.


Notice to Club-raisers

|  |
| :---: |

## HORSE WORMS



## EASTMAN

$\qquad$




Mid QUERIESE:
$\qquad$
Cistern in Clay Soil- Walling a
Spring.-A. M. L., McMechen, W. Va.,
writes: "Describe the best method of con-
structing a eistern in clay soil. - How should lepli:-The best method is to wall it up
witb hrick and carefully cover the Interior
snrface with cement plaster. - Wall up the spring with large ritrified sewer-pipe.
$\qquad$ time to sow hlu-grass seed? Can it be sown
whth the graln-drill. like timothy-seed, when
one is drilling in wheat? How mucb seed to the aere to get a good set, and where cal
the seed be had? I am thinking of seeding
twrlve acres of wheat to blue-grass this fall. Keply:-The best to be to sow blue-grass
seed is very early in the spring. Sow it



fectly drr, with a good tobacco decoction, or
with a sheep-dip principally composed of
a tobacco decoction. Tbe washes are best
applied with a good stiff brusb, hecause it is
applied with a good stiff brusb, hecause it is
very essential that the fluid everswhere penetrates the coat of hair and is brought in
intimate contact witb the skiu. After the washings, whicll at this season of the sear
at least may he made outdoors, tbe washed





$\qquad$
$\qquad$
$\qquad$

$$
\begin{aligned}
& \text { yearling colt is either actinomycom or is } \\
& \text { produced by some other malignant or semi- } \\
& \text { malignant morbid prowth }
\end{aligned}
$$

$$
\begin{aligned}
& \text { malignaut morbid growth, or tumor, in the } \\
& \text { nasal carits or maxillary sinus. Before an }
\end{aligned}
$$

$$
\begin{aligned}
& \text { nasal carity or maxillary sinus. Before any } \\
& \text { advice concerniug treatment can be giren the }
\end{aligned}
$$






$$
\begin{aligned}
& \text { acter, everthing depends upon it, whether } \\
& \text { it is, or can he made, sufficientlr accessible } \\
& \text { to admit a radical extirnation. If it should }
\end{aligned}
$$

to admit a radical extirpation. If it should

$$
\begin{aligned}
& \text { because hemorrhages of that kiud seldom } \\
& \text { take place with such wonderful regularity. } \\
& \text { Bleeding from the nose (epistaxis) may he } \\
& \text { due to various causes, and may have its }
\end{aligned}
$$

$$
\begin{aligned}
& \text { in the laryngeal region. or even in the } \\
& \text { trachea. The hlood uay also come from the }
\end{aligned}
$$

as to the causes, they nay eonsist in an

sary is to ascertain by a careful examination
the cause and the seat of the bleeding, and
accessible tumor of any kind, any treatment
will be in rain; and if it is found to he an

$$
\begin{aligned}
& \text { actinomycom having its seat in the jaw-hone, } \\
& \text { the mucb-adertised iodine of potassium } \\
& \text { treatment mas he given a trial: but if it is }
\end{aligned}
$$

$$
\begin{aligned}
& \text { due to various causes, and may have its } \\
& \text { source in different parts of the respiratory }
\end{aligned}
$$

$$
\begin{aligned}
& \text { treatment mas he giren a trial; but if it is } \\
& \text { doue it will be hest not to expect too much. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { passages; for instauce, in a nasal cavits, in } \\
& \text { a frontal or maxillary sinus, or further back }
\end{aligned}
$$

$$
\begin{aligned}
& \text { doue it will be hest not to expect too much. } \\
& \text { The ternu "big-bead" is applied to almost any } \\
& \text { enlargemeut of the head. no matter wbat the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { enlargemeut of the head, no matter wbat the } \\
& \text { cause may be. According to your state- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { cause may be- According to your state- } \\
& \text { ments the period of gestation of your pony }
\end{aligned}
$$

$$
\begin{aligned}
& \text { trachea. The hlood uay also come from the } \\
& \text { lungs; but in that case it will he more or }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ments the period of gestation of your pony } \\
& \text { mare will he about fiftrenine weeks, and } \\
& \text { therefore closely approach the longest on }
\end{aligned}
$$

$$
\begin{aligned}
& \text { therefore closely approach the longest on } \\
& \text { record, which, to my knowledge, is fourteen }
\end{aligned}
$$

$$
\begin{aligned}
& \text { record, which, to my knowledge, is } \\
& \text { montbs. Please report the outcome. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { sequent rupture of one or more blood-ressels } \\
& \text { aprwwhere in the mucous membrane of the }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Colt Lame in All Four Feet-A Blind } \\
& \text { Mare-A Large Abseess. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { answhere in the mucous membrane of the } \\
& \text { respiratory passages, in the presence of }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Mare-A Large Abseess.-J. E. M., Ar- } \\
& \text { mour, S. D. If vour colt, set a yearling, has }
\end{aligned}
$$

mour, S. D. If your colt, set a searling, has

$$
\begin{aligned}
& \text { ring-houe on four feet, the prohability of } \\
& \text { the same ever getting free from lameness or } \\
& \text { serne }
\end{aligned}
$$

$$
\begin{aligned}
& \text { growing up to a useful horse is a very slim } \\
& \text { one, no matter what the treatment mas he.- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { one, no matter what the treatment mas he- } \\
& \text { As to your mare, the lost eyesight canuot be } \\
& \text { restored, but the large abscess, or abscesses. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { restored, but tbe large abscess, or abscesses, } \\
& \text { ou her left side may be brought to healing. } \\
& \text { First the abscess, or ahscesses, probably conl- }
\end{aligned}
$$

$$
\begin{aligned}
& \text { First the abscess, or ahscesses, probably com- } \\
& \text { municating with each other, must be care- }
\end{aligned}
$$

municatmy with each other, must be care-

$$
\begin{aligned}
& \text { thes rery likely are of a fistulous character, } \\
& \text { and it must he ascertained where ther lead }
\end{aligned}
$$

$$
\begin{aligned}
& \text { to and what it is that prerents the healing. } \\
& \text { af it is a forelign bodr it nust he remored }
\end{aligned}
$$

$$
\begin{aligned}
& \text { to and what is that prevents the healing. } \\
& \text { If it is a foreign body it nust he remored; } \\
& \text { if it is a diseased rib or eartilage it must }
\end{aligned}
$$

be brought to exfoliation by removing the



THE MAN WITH THE BALLOT


Lbeach day add a new grace and
beauty. to your mind. Be not ontent with your past achieveglorify your past by the new deeds
of the present. Master some new fact; of the present. Master some new fact;
make it a part of rour inner conand shades, and some day it will burst upon rou in the radiant light of
clear and beantiful truth. All facts and truths are old; they are scattered
abont us like chaff, and like chaff they remain until the individual is fitted
to perceive them in all their glorious radiance. They are free and not free. Free to the surrcndered humble soul
willing to receive from whatever source willing to receive from whatever source
the message divine, but locked to him the message divine, but. locked to him we may rcceive the highest and best.
Daily must we think and study and learn; daily must we commune with Nature till old things become new; that is, are seen in a new hight. What he has not preparation for learning, howerer near to his eyes is the secrets to a carpenter, and he shall be never the wiser-the secrets he would not utter to a chemist for an estate.
God screens us erermore from premaGod screens us erermore from prema-
ture ideas. Our eyes are holden that we cannot see things that stare us in the face, until the hour arrives when
the mind is ripened; then we behold them, and the time when we saw them not is like a dream!"

A lecturer to be successful in her work must be a constant student. She
ought to have a profound knowledge of human nature, that she may be able to best fitted to do. It is useless to use arbitrary methods in dealing with are already shaped, and uuless the lecturer has a strong personality better
results will be achieved by assiging work that will lead to as harmonious a development of the individual as is possible than to try to shape an ideal.
Each one may and should be led into the wide field of thought; but it takes lact and patience to do it. A bright may open up more arenues of thought than a year of patient toil on the part an a member; the new way of stating rounds a stranger, all contribute to add the duty of a lecturer to see that new thought is infused into the grang,
that the members work faithfully.
$\qquad$ comes dormant. There may be outside adverse influences, the grange may be small, but so long as there is a goo
program the members will attend. good program I do not mean that Often the best meetings are those where an informal disenssion of some topic of particular interest to members
crowds out the remainder of the work. We have found it so hi our grangc However, we haren't. a bickering, jeal
ous member in our local lodse.

A smmensely happy in our work. Small immensely happy in our work. Smal tastes and tendencies cau get together
without jar or discord, have their compensations. I behere that some of our
small granges, where the rucmbership small granges, where the ruembership member, are doing as much to develop
the individual as are many of the larger the individual as are many of the larger granges, where the real work of the grange is carried on by a few taithtul
ones. let not the small grange be discouraged. Its roll-book may not be
large, but the work it cau do is limitless. It is inspiring to know that thongh small in numbers it contributes its share to the great work being done, just as the smallest rivnlet helps to swell the sea. It is the individual that counts-the frained, alert person reaty for any emergency-and this training can be gotten in a small grange as well as a large one. Do not lose hope if op those you have that they may be a power in the world. It is not the masses has her millions of hmman souls, yet even too her contemporaries scarce a
dozen are known. It is the strong, heroic soul that shines through all time that adds a luster to this or that
cycle of years. Take the circumstances as you find them, and carve from them success. It is in your power to do so.
The same qualities essential to the success of an individual are essential to a group of individuals-industry
fulness, integrity, faith and courage. Do not wait for favorable opportunities. Make them. Thongh you may not they are earnest and watchful their combined effiorts will accomplish more than a hundred would whose influence is not so combined and available. Afsmall numbers.

I want to urge upon every grange the necessity of founding a library. You may not be able to get many yooks at first. No mach the better; Detter far that they be worn by overusage than shelt-worn. You will be surprised how rapidly your library, will grow. Once accustom yourself to refer-
ring to some appropriate work for any question that arises in your mind which you canuot answer, and books will become as necessary to you as ribbons and laces now are. Let the necessity be felt, aud means will be forthcoming to supply that necessity. It is indeed a dark blot on our boasted intelligence that we have not sooner felt the
necessity of having in each neighborhood a good working library. How many times questions arise that if they could be answered would lead us into a broad swered, the mind, lacking other food, comes back to the present. Constant pruning of the buds of inquiry develop just as constant pruning of new buds destroys a plant. How true the Ger1uan adage:
A hstone and the human heart are driven If they have nothing else to grind they must

Let children breathe the atmosphere of books. Let them acquire that expression of thought and poise of beariug that contact with good books give. Let them read biography, that they may emulate the example of the brave same difficulties the chidren meet. History will give them a leener insight into the present. loetry will develop
the spiritual nature. The comutry chidd and grown-up require this companionship. They, more than any other, can grasp the deepest truths, becanse they daily face the richest mines of truth. Begin now to build up a library. Some of you will want to study political economy in your grange this winsubject. I have fomnd more annateur students of that science among farmers than other classes. Their line of thought is nccessarily directed in that channel. Few indeed are they who
are not fascinated by the study. Most are not fascinated by the study. Most delight in ancient history. Gibbons'
"Decline and Fall of the Lioman Empire" will throw new light on our own

Let there be a wise selection of fic ion. Under the hands of a skilful li brarian or lecturer many who could not otherwise be reached may becom earnest students through reading som choice fiction. What reader of Scott's
novel does not want to inquire further into the times with which his novel dcal? "The Egyptian Princess," with its thrilling narrative, will lead the phil osophically, inclined into the study of
some of the ancient philosophies. Let a large share of the work be fiction for the young. In 1 his great care should
be exercised. Too much of this class be exercised. Too much of this class
of reading is too silly for a normal of reading is too silly for a normal child. A really good book for children must command the respect of mature babyish as we are apt to think them. We are now preparing a list of books, and will publish them in a later issue a the meantine agitate the subject of work will fall on two or three. It is millenninu is not yet here. We would earnestly urge onr readers o read the "Twentieth Century City," "Our Country" and the
Dr. Strong. These are books that will convey to the reader some idea of oul
nation, its perils, hopes and weaknesses "The American Commonwealth," by
James Bryce, M.P., is valuable because fits comprehensive insight into our American institutions. It is a work that Is American citizen should be without. bility to some, makes it an impossi library will have it. Get it and read it

Character is the sandy footprint of the commonplace hardened into the stone of habit; it is the complexity of daily tempers, judgments, restraints impulses, all focused into one masterpassion acting with the 1 .
Good manners is a golden key that will unlock the grimmest door. To the How many naturally bright a fortune their social and business life by a cur expression, an arrogant, insolent man ner! How much is won by a sympa-
thetic word, a courteous bow and smile, a polite raising of the hat, the giving ap of a seat to another, the thousand and one small things that oue may do without sacrificing a jot of dignity or personal worth! Politeness is the best policy, just as honesty is said to be the erations than policy, to be sure, and he who is truly polite or honest must be so on higher grounds than, mere policy light one must see them in the base is such a grump! I will go over and deal with Brown," says the man with money to spend. "Smith carries as good
goods and sells as cheaply as Brown, but goods and sells as cheaply as Brown, but
he acts as if he was conferring a favor he acts as if he was conferring a favor
on me by dealing with'me. Brown acts as if I was conferring a favor on him
by dealing with him." So, although Brown is farther away, he gains pat
ronage by his courtesy. A hardware dealer in a poorly equipped, dark room two blocks from the business part of town, had a bigger trade than other
stores on the principal business street Why was it? Because his patrons
could rely absolutely on his word, and he was uniformly courteous and polite to the child with a nickel or the man with dollars to spend. To-day he occu pies one of the finest business rooms in
his town, and commauds the best trade Others may have been as honest, others sold as good goods, but they had not
that fine courtesy and geniality that distinguish the gentleman from the
boor. It lies within the power of every boy and girl to acquire a courteous pay the effort made to acquire it. Many
 coarseness of manner. See to it that such manifestations of a coạrse nature
"To Vote as TVe Pratr."-The Rev. C plains why so many of Maine's officials plains why so many of Maine's officials know that we will continue to vote a Public Opinion.
"Canled II Poukns It 15 Dars."
Said Hon. W. W. Kinlock, editorially in his paper, Christian County Republican, Ozark, Mo.: "I fook two boxes NO-TO. BAC a year ago, it destroyed desire for
lobacco, and I gained 11 pounds in 15 days. This is nof a paid notice, but other poor tobacco slaves may fake NO-TO-BAC and be freed." A natural easy way to quit lobacco
NO-TO-BAC
We tell the truth about NO. O-BAC, for if it fails fo cure, you get your money back. Just fry a single ou happy in more ways than one. No you happy in more ways than one. No ,wem inime wiom
drugaist's guarantee.

 AN IDEAL CLIMATE
The first white man to set foot on Escalante, who reached the GREAT SALT LAKE on the 23 rd day of September, 1776 , wrote in his diary: "Here the climate is so delicious, the air so balmy, that it is a pleasure to breathe by day and by night." The climate of Utah is one of the richest endowments of nature. On the shores of the Great Salt Lake especially-and for fifty miles therefrom in every direction-the climate of climates is found. To enable persons to participate in these scenic and climatic attractions, and to reach the famous HEALTH, BATHING AND PLEASURE RESORTS of Utah, the UNION PACIFIC has made a rate to OGDEN and SALT LAKE CITY of one fare for the round trip, plus $\$ 2.00$, from Missouri River, to be in effect June 21st, July 7th to 10th inclusive, July 18th and August 2d. Return limit Oct. 31, 1900. For time table and full information call on your nearest agent or address

## A. G. SHEARMAN



RUPTURE:
ECZEMA


Wanted agents
BED-WETTING
LADIES



## By P. W. Humphreys

IIE first elements of the art are
easily mastered. One who is familiar with extensive rowinglessons that are usually given the fircat Lakes claims that any little girl who has water or brother to teach her, can learn to row as casily and quickly as her brother. and she will fiud the erercise not only achightful as a pastime, but strengthgives directions to help others master the art. So far as canoeing goes, she says that canadiau girls yield the palm edges that honors are even with the Amcrican girl
All around the Great Lakes, on both sides of the line, there are hundreds of young women who can handle an oar as well as any mere man on the coutinent. They may uot be able to make as much headway, but so far as skill and unison are concerned-always provided the costume be suitable-there is not really so rery much to choose between the oarsmen and oarswomen. The girls have the added adrantage of the wildest imagiuation to speak of a sculler wearing' a slcereless guerusey and abbreviated tights, and spurting up and down like a pair of shears in his beauty. Put eight of him together and there is pleasure in watching the rise and fall of the sweep-oars and the skim of the racing-shell orer the water. But
individually eael member of the crew individually eaeli member of the crew
looks better in golfing costume or ten-nis-flamels.
Nearly every Canadian girl living near the water or speuding her summers there learns to row as a rery she steps into a boat by herselt she is shown how to do so properly. The boat is drawn up sideways to the logs tied to the shore. Her father holds it steadily, and tells her to step directly in the center of the boat. to keep her balance and dop quew is able to seat herself without endaugering the lives of the other people in the boat. Ifter a little she pines to learn to row Her mother will doubtless object, but the father will be anxious to see how the little maid can manage
Tile Finst Lessoz.-This is an interesting process, and one in which the father and mother and brother all take a hand: and it is not an unusual sight on the lakes to wituess one of these family aftairs in giving the first lesson to the little girl. She is seated on the ceuter seat, with her lace toward eat beside her and takes the other oar. Both oars ought to fit easily in rowclis, at first if the oars do uot lap over sach other. Short oars, the handles of rought do not nearly touch when rought together, are best for beginruises. Our girl gets much advice. "Leall forward who disapproves of the ther "Shoot the hande of the oar straient "Shoot the handle of the oar straight
out in front of you," says her father. "Do be caretul, darling

## tell whence this reminde

the hitie girl does as she is told, after the mamer of nice little girls, and is
mildly surprised to find the blade of her oar away behind her
far; up a little ret. There, now, pull the handle toward you."
This is more of a struggle. The water
has become a very powerful element has course, she dips deeply: and, of

## thirteen-ycar-old can be

When the stroke is made she is breathmore strolies the wise father will per-
suade her to rest for the day. She will not be in the least ready to do so. Indeed, she is most likely ancious to try hoth oars. But the summer days are
long when one is young, and there are long when one is young, and there are
plenty more of them. She will try again to-morrow, stil using both hauds to the oar. It will not be until her wrist is so much stronger that she can manage the oar with one hand. In a few days this half of rowing will be quite easy. Then will follow the laughable efforts of attempt ing to row with both oars-laughable to the onlookers, at least. perhaps quite the opposite to the learner, who quite the opposite to the learner, who
wonders if it ever will be possible to master the art: but like the lessons in wheeling, the "knacl"" is soon actuired, and then come the "extras."
Using Botn Oars.-lawing. unlike rauy other sports, is an accomplish ment easy of acquirement, and once learned never forgotten. Our girl learns by her second day to pull in harmony with her brother. He denies this, grmmpily, but the fact remains.
The "baddest" quarter of an hour comes when she tries two oars all by her own self. It is just a little trickthat of being able to work both oars at the same time-quite ridiculously simple when you get it: but one may flounder on for days without catching the trick. The father is much pleased to see that his little maid is observant and quick enough to do so the first day: It requires watching two ways. First to put both oars neatly in the water at the same time. Next, to make the strokes simultaneously.
Still a third tug of war is ahead of her. That is when she must learm to keep time with the pair of oars in tront of her. She is probably a big girl by this time, because the small person sticks to one oar unless she is rers strong indeed. I have known roung Canucks of eight quite expert oarsfeathers her oars like a clat age who ler. But children living near the water will use an oar from the time they are able to sit up and get a fat hand half way around the handle. It is only a matter of strength of arm until they can use both oars.
There are still many things to learn after our girl has becone able to lieep time with herself and with the oars be hind and in front.

Learnicia to Feather.-'l here is the highly ornamental and useful accomplishment of being able to feather her oars. It is likewise a trick, and consists solely of bending the wrist. When one brings the oar out of the water it is in
a slanting position. Now in pushing it a slanting position. Now in pushing it back to begin another stroke one has cquently to do so against the wind or tossing crests of waves. A simple cxpedient, to avoid the added exertion, rather than perpendicularly. This our girl will be shown, so that should she be out in rough weather she will know how to get the most result with the least expenditure of energy. She will thus also aroid splashing the other nccupants of the boat. Feathering is likewise extremely pretty. and is the delight of a young oarswoman. It is done simply by bending the hand backward until it is at right angles with the wrist. It soon becomes meclanical How to Back Water.-Inother thing to be learned is to back water. Here are two motions involved. The first, to row with one oar and back water with the other. This is as simple as making your thumbs go opposite ways, once the girl learns to remember that while one hand goes forward the other goes backiward, exactly reverse. It is expedient to keep time with this action, otleer is to back water with botly oars This often consists in merely keeping the oars in position: the water does the the oars in position: the water cloes the
rest. Otherwise it amounts to a strong pushing of the oar's back through the

This is really concerued with steering of the boat, which, when done by
the oars, is a matter requiring some carctulness. The regular thing where there is land in sight, and one has no rudder, is for the rower to head the boat right, mark what point of land is seen orer the stern, and keep the stern at the point of judicious handliugharder cowiug with the right that the light This is much better thon the ping oue oar. When you resume the oar it is likely to conflict with the oar behind or the olle in front.
The management of a row-boat requires experience and presence of mind, as does the management of any other craft. The girl will have to learn how rell-directed shoves with her oar; how to bring it up neatly alongside when she lands; how to aroid "catching a crab;" how to use long oars and short oars, and so on.
After learning all this there are still several points to lieep in mind. One must learn to bend from the waist; to reep the shoulders erect, the arms est as the oar is pulled back, thus letest as the oar is pulled back, thus let instead of the arms aloue; to expend the force on the stroke; to pull erenly and with long strokes; to balance the boat properly, or see that others do.
All these different facts may be impressed upou the learner while teaching how to "feather" and "back water," and the other "accomplishments" that follow the lessons in "plain rowing;" but it is well to make a note of these little details of position, etc., and kcep hem in practice during every lesson.
The Iowing Costume.-The elaborate "boating costumes" usually seen at fashionable watering-places would be considered quite out of place where owing is studied as an art and practised for the pleasure and the healthful xercise to be obtained. The liest young arswomen around the Great Lakes and about the numberless small lakes and ivers throughout the whole continent are usually sensibly costuued.
A thick skirt is better than a cotton one, uot too full, and rather short, in case the boat should leak, as so many of them will if they get half a chance. Nearly erery girl who rows knows that a loose waist is absolutely indispensable. Nor should there be anything ight-fitting underueath the waist.
Iler head-gear should be of the kind that cau be securely fastened on. Girls who go regularly in for sculling-and their number is increasing-wear the mauly "sweaters." Others keep to a ool shirt-waist,
Healith-giviag Properties.-Nobody has ever questioned the health-giving properties of rowing. Its usefuling properties foning stooped shoulders is so thoush om ares that all good oym um directors that all good gymnasiums are fitted up with imitation boats-that is, a sliding seat pulled to and fro by means of rubler belts with exactly the same motion as rowing-tor use in the winter-time. It strengthens the muscles of the upper arms and makes the wrists steady and strong.
Add to this the amount of fresh air one takes in. and the fact that rowing will keep a chill away. It is a fascinating exereise to send one's craft shooting straight as a die through waves and calm, to leave a trail of swirling water in the wake of the boat. to guide it by erer so gentle a stroke, to bend backward and forward in harmony with the oars, to feather the oar and watch the silver drops falling into the silver water, to row with eren, steady strokes on and on past lighthouse and buoy into the twinkling harbor-these are some of its joys. Ind when to its joys are added the strengtheuing of the muscles and the building up of good health it is not surprising that the girls
as well as the boys are enthusiastic over as well as the boys are enthus.
the season's rowing-lessons.

## WORK-BOX AND SPOOL-CASE

An eight-sided piece of cardboard for the top and also one for the bottom of this article, measuring six inches across, form the foundation. Two of on each side with sill being covered tc.gether or fastened with library-paste
and put under a heary weight. The and are one and one half inches high the side of the octagon, and rounded at the edges. These pieces should be of should then hare tin cardboard, and by a sur ther in tom of the box, and catch them by a few stitches at the top, then lace them together with a silk cord, catching a spool of thread between every one


The lid is finished with a heary cord around the edge and a rosette of ribbon on top. It can be made entirely of on shade of silk, or the inside of a brighte It is are delicate color than the outside a favorite dress, waist or neckitie.

## POINT AND DIAMOND LACE

Abbreviations.- $K$, knit; n, narrow; , orer; p, purl; p 2 tog, purl 2 to gether.

```
plain.
```

First row-K 5, n, o twice, n, k 8, n twice, $n, k 8, n$, o twice, $n, k 4, n$, twice, k (leare thread up), k $1, \mathrm{n}$, Second row-K 3, p 1, k 1, n, o twice p $\underset{\text { Third row-k }}{2}$ rog k , $1, \mathrm{p} 1, \mathrm{k} 11, \mathrm{p} 1, \mathrm{k} 6$ wich $\mathrm{n}, \mathrm{k} 4, \mathrm{n}$, o twice, n , o twice, $\mathrm{n}, \mathrm{k} 2, \mathrm{n}, \mathrm{o}$ twice, p 2 tog, k
Fourth row-K 5, n, o twice, p 2 tog k $5, \mathrm{p} 1, \mathrm{k} 3, \mathrm{p} 1$,

## Fifth row-K

twice, $n, n$ o $n$ (o twice, $n, n$,
times, $n$, o twice, $p 2$ too $i=2$ o trvice n, o twice, $k 2$.
Sixtlı row-下 $3, \mathrm{p} 1, \mathrm{k} 2, \mathrm{p} 1, \mathrm{k} 1, \mathrm{n}$ times, ls 2

Serenth row-K 3, n. o twice, n, n, twice, $n$, $k 4$, $n$, o twice, $n, n$, o twice n , k 4 , n, o twice,


Eighth row-K 8, n, o twice, p 2 tog p $\underset{1, k}{ }, \mathrm{k}, \mathrm{p} 1, \mathrm{k}$
Ninth o twice, $n, k 8, n, o$ twice, $n, k 4, n$
$o$ twice, p 2 tog, $\mathrm{k} 1, \mathrm{n}$, o twice, n , o wice, n , o twice,
lenth row-k $3, \mathrm{p} 1, \mathrm{k} 2, \mathrm{p} 1, \mathrm{k} 2$, $\mathrm{k} 11, \mathrm{p} 1, \mathrm{k} 11, \mathrm{p} 1, \mathrm{k} 6$.
Eleventh $1 \cdot 0$ w-K 37 , plain n, o twice, p 2 tog, k 12 . trice, $P 2$ tog, $k 3 S$ plain. Begin at first row. $p 2$ tog, $k 35$ plain. Begin a


9HERE are many white soaps, each represented to be just as good as the Ivory; they are not, but like all imitations, they lack the peculiar and remarkable qualities of the genuine. Ask for Ivory Soap and insist upon getting it. Ivory Soap is 994100 per cent. pure.

## "he loves me not

I hate a woman who writes a book, prac-
tises medicire or delivers a lecture. I hate
Though I have toiled, I dreamed until to day Life was a sea of love, which surged my way.
And I have taken lahor to my hreast,
Though in my heart sweet joy has made its
But now my books look down like grinning
And mock me
shelves.
Accusing emblems of an awful fatehate?
Oh, sister women, scattered throngh the land,
Come, let us fiml companonship in glief! Man-of-Much-Talk--the might: mongrel chie Of Latin hlood, and Irish name, and gold

The curious, listening world he loves us not?
Oh, bitter toil, whose end such woe hath bitter toil, whose end such woe hath
wrought! wrought!
Though all mankind beside hluself approve Of what a avils it if we lose hifs love?
Would l'aradise itself not seem : hell To wretehed women scorned by Max O'Rell? Fling down, fling down the lanrel and the Sadder to us than erpress-leaves are ther
Since in each hard-earned trophy of achieve-
ment Oh, to do nothing, nothing! My heart thrills With envy at the thought of imbeciles Who sit in safe retreats, outside the hall
Of mighty Max O'Rell, the Much-Talk Man Life, you would teach us wislom in your Go to-go to-since Max prefers us fools. -Ella Wheeler Wilcox, in New Yorl Journal.

## WHEN THE SELFISH WOMAN TRAVELS


 Krant and unfortunately the most apt pupil in the undesirable school is the woman who but frewhen she does, considers that the fact of her having bought a ticket from Smithtown to Jonesville entitles her to every consideration.
On the Saratoga special such a character recently appeared, and with her two men, presumably husbaud and son, she addressed as "papa" while the younger and more rebellious member answered to the name of William. Now, papa and Willian would not have been a bit of a nuisance, for they actually seemed ashamed of the woman's actions; but as evil companions corrupt good morals, so did the continual nagging and prompting of this woman serve to make them behave in a manner that, to give them credit, appeared foreign to their nature. At Weeharvken some mistake occurred about the draw-ing-room cars, and there were two tickets to show for every seat.
The cars were crowded; women with babies and men with bundles flocked in for their Saturday pilgrimage to the mountains, and then it was that this woman began to show off. "Now, papa, don't you stir!" she said, as the born politenes's of the man was about to manifest itself by his giving up his chair to a tired woman who held a ticket for the same number. "Possession is nine points of the law; you've got your ticliet and your come, first served, and if they can't get eats it's the fault of the railroad, not ours or mine!
But, Maria, you know we are only going to Cornwall, and William and I can just as well go into the smoker and et a couple of ladies have our chairs."
"That's just like a man; paid your noney, I suppose, to stand! No, sir; just you sit still and let the conductor ret 'em out of the muddle.
They were evidently used to Naria's ittle ways, for they sat still, looking ery red and uncomfortable as they saw women gazing hopelessly about for a resting-place, holding in their hands tickets for chairs which were already pre-empted. Maria, however, enjoyed less fortunate indiriduals. A baby who made advances to her from the
tand, was not encouraged in its to onst rations, as she did not care to share her easy position even with so small a creature, and by so doing relieve its least. Whon Cormwall was reached she left the train, followed by two sheep-ish-looking men who had not enjoyed their trip one bit; and as the train moved offi she was heard to remark that it took a pretty smart railroad to get ahead of her.

## CLOVER AND PINEAPPLE LACE

Abrreviations.-Ch, chain; s c gle crochet; al c, double crochet stiteh.
First row-Ch $32,1 \mathrm{~s} \mathrm{c}$ in 8 st of ch, ch 5 , skip $3,1 \mathrm{~s}$ c in next, ch 5, skip 3 , double in same, make 2 more loops next ch 3, 1. double in same, make more loops, ch 1; turl.
Second row-1 s c, 5 doubles, 1 s c in first loop. Repeat twice, ch 3,7 doubles in center of second loop, to begin pineapple, ch $3,1 \mathrm{sc}, 5$ doubles, $1, \mathrm{~s} \mathrm{c}$ in apple, ch , 1 2 more loops, ch 5; turn.
nore loops, ch 5 ; turn.
Third row-Make 3 loops, ch 5 , make 3 loops in center of clover, ch 3,1 double on first double of center ch


3, 1 double on next. Repeat from ch 3 to make 7 doubles, ch 3 , make 3 loops in center of clover, ch 1 ; turn.
Fourth row- 1 s c, 5 doubles, 1 s in first loop. Repeat twice, ch $3,1 \mathrm{~s} \mathrm{c}$
between first 2 doubles. Repeat to make 5 small loops, ch $3,1 \mathrm{~s}$ c,
1 s c in first loop. Repeat twice, make 4 loops, ch 5; turn.
Fifth row-Make
make 3 loops in center of first clover, ch 3 , make 4 small loops, ch 3 , make 3 loops in center of clover, ch 1 ; turn. Sixth row- 1 s c, 5 doubles, 1 s c in first loop. Repeat twice, ch 3, make in first loop. Repeat twice, make 5 in first loop. he ch 5; turn.
loops, ch 5, turn.
Seventh row-iMake 5 loops, ch make 3 loops in center of clover, ch 3 make 2 small loops, ch 3 , make 3 loops Eighth row- $1 \mathrm{~s} \mathrm{c}, 5$ doubles,
Eighth row- 1 s e, 5 doubles, 1 s c in first loop. Repeat twice, ch 3 , make 1
small loop, ch 3 , make 1 s c, 5 doubles small loop, ch 3 , make 1 s c, 5 doubles, 1 s c in first loop. Repeat

## ake 6 loops, ch 5; turn.

Ninth row-Make 6 loops, ch 5 , make 3 loops in center of clover, ch 3,1 double in loop, ch 3, make 3 loops in center of clover, ch 1 ; turn.
Tenth row- $1 \mathrm{~s} \mathrm{c}, 5$ doubles, 1 s c in first loop. Repeat twice, ch 3, skip 1 , ch 1, s c in next, omit ch, make 1 single 5 doubles, 1 s c in loop. Repeat
ch $5,1 \mathrm{~s} \mathrm{c}$ in loop ( 6 loops), ch 5 .
Begin at first row, omitting the 32 ch. Begin at first row, omitting the 32

## CRAZY POINT. LACE

Make a chain of 30 stitches
First row-1 d.c in fifth st of ch, 1 ch, miss 1 st, 1 d c in next st, ch 1 miss 1 st, 1 d c in next st , miss 2 st,
3 d c in next st, ch $2,1 \mathrm{~d} \mathrm{c}$ in same st, miss $2 \mathrm{st}, 3 \mathrm{~d} \mathrm{c}$ in next st, ch $2,1 \mathrm{~d} \mathrm{c}$ in same st, miss $2 \mathrm{st}, 3 \mathrm{~d} \mathrm{c}$ in next st, ch $2,1 \mathrm{~d} \mathrm{c}$ in same st, 1 ch , miss 1 st , 1 d c in next st, ch 1 , miss $1 \mathrm{st}, 1 \mathrm{~d} \mathrm{c}$ in next st, ch 1 , miss $1 \mathrm{st}, 1 \mathrm{~d} \mathrm{c}$ in next st, ch 1 , miss 1 st, $1 \mathrm{~d} c$ in next st, miss $2 \mathrm{st}, 3 \mathrm{~d} \mathrm{c}$ in next st, $2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same st, miss 2 st, 3 d c in next st, $2 \mathrm{ch}, 1 \mathrm{de}$ in same st; turn.
Second row- 3 ch, 3 de in $2 \mathrm{ch}, 2 \mathrm{ch}$, 3 d c in same $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same $2 \mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ in next $2 \mathrm{cln}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, $1 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, \mathrm{ch} 1, \mathrm{~d} \mathrm{e}$ on $d \mathrm{c}$, ch 1 , $d \mathrm{c}$ on d c , ch 1 , $d \mathrm{c}$ on $d \mathrm{c}$, $3 \mathrm{~d} c$ in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same
in same ch, 1 ch, 1 d c on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d}$ e on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d}$ e on $\mathrm{d} \mathrm{c}, 1 \mathrm{cli}, 1 \mathrm{~d} \mathrm{c}$ in second st of 4 ch ; turn.

Third row- $4 \mathrm{ch}, 1 \mathrm{~d}$ e on de, 1 ch , 1 c on de, 1 ch . de on d ce, 3 d c in $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d}$ e in same ch, 3 d c in next $2 \mathrm{ch}, 1$ ch in same ch, 3 d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{e}$ in same ch, 1 ch , de on d c, 1 ch, $d$ e on $d$ c, 1 ch, d e on $d \mathrm{c}, 1 \mathrm{ch}$, d e onl d c, 3 d e in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d c in
next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d e in next 2 ch, $2 \mathrm{ch}, 3 \mathrm{~d}$ c in same ch; turn.
Fourth row-3 ch, 3 d c in $2 \mathrm{ch}, 2 \mathrm{ch}$, 3 d c in same $\mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d c sin next $2 \mathrm{ch} .2 \mathrm{ch}, 1 \mathrm{~d} c$ in $1 \mathrm{ch}, \mathrm{d}$ c on de, $1 \mathrm{ch}, \mathrm{d}$ e on d c. 3 d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same $\mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ 3 d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same h, 1 cll, de on de, 1 ch, de on de;

## 4 ch ; turn.

Fifth row- $4 \mathrm{ch}, \mathrm{d}$ c on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d}$ e on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 3 \mathrm{~d} \mathrm{c}$ in next $\mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same $\mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ 1 c on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}$, 1 c on, d c, $d$ ch, de on d c, 3 d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same d c in same ch, 3 e c , $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d}$ c in same ch, 3 d c in mext $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d}$ in same ch, $2 \mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ in next
$2 \mathrm{ch}, 2 \mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ in sane ch; urn.
$\mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ in next $2 \mathrm{ch}, 2 \mathrm{ch}$,
1 d c in same ch, 3 d c in ne
$2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 dc in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$
in same ch, 3 de in next $2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 1 ch , $\mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on d c
3 d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, d e in next 2 ch, 2 ch, 1 d c in same $\mathrm{ch}, 1 \mathrm{ch}, \mathrm{d} e$ on $d \mathrm{c}, 1 \mathrm{ch}, \mathrm{de}$ on d c ,
$1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ in third st of 4 ch ; turn.
Seventh row-4 ch , d c on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}$, $d \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 3 \mathrm{~d} \mathrm{c}$ in next
$2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same $\mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{dec}$ in same ch, 3 de e in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 1 ch , $d \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch} . \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on d c , ch $1, \mathrm{~d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 3 \mathrm{~d} \mathrm{c}$ in next 2 ch ,
$2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d c in next next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 1 s c

## in next 2 ch; turn.

Eighth row $-3 \mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ in $2 \mathrm{ch}, 2 \mathrm{ch}$,
1 d c in. same ch, 3 d c in next 2 ch ,
$2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d c in next
$2 \mathrm{ch}, 1 \mathrm{~d}$ c in same ch, 3 d c in next
$2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d}$ c in same ch, 1 ch , d c on

ch, $2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same, 3 d d in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d c in next ch, $2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, $1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on d c, $1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ onl $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on d c $\mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 3 \mathrm{~d} \mathrm{c}$ in next $2 \mathrm{ch}, 2 \mathrm{ch}$, ch, 1 d c in same $\mathrm{ch}, 1 \mathrm{~s} \mathrm{e}$ in next Tenth row- $3 \mathrm{ch}, 3 \mathrm{de}$ in $2 \mathrm{ch}, 2 \mathrm{ch}$ d c in same $\mathrm{ch}, 3 \mathrm{~d} \mathrm{c}$ in next $2 \mathrm{ch}, 2 \mathrm{ch}$ d.e in same ch, 1 cl, d c on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}$ c on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on 3 d c c in $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{c}$ e m same ch d c in next $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d}$ e in same ame ch, $1 \mathrm{ch}, \mathrm{d} c$ on $\mathrm{c}, 1 \mathrm{ch}$, $\mathrm{c} c$ ond c same ch, $1 \mathrm{ch}, \mathrm{dc}$ on $\mathrm{d}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on d c ,
$1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} e, 1 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in third st

Repeat from first row for the length required.

## the points.

$\mathrm{c}, 6 \mathrm{~d} \mathrm{c}, 1 \mathrm{~s} \mathrm{c}$ in 3 ch around

## A COLORADO SUNBONNET

"Yes, ma'am; not only children, but grown people as well, wear sunbonnets Just thimk of it! And you wonld, too, and piercing rays of the sun; and went out camping on the Rockies, as we do I laugh yet whenever I think of a vis itor I had last summer. The visitor was a young man but recently married. Said he, 'I didn't want to come at all, but my wife begged me to, and ask you if you would sell her your bonnet for a dollar. We are to start for the lakes to-morrow, and she says your bonnet is just the thing for the trip; that it is the prettiest one in the valley.
"I replied that she could have it, but hut a dollar was far too much tor it But he insisted on leaving that sum. Shaker revived, and was made trom soft, fine piece of tea-matting. Th top was cut as one tould bonnet, then stitched ang sun prevent raveling. I then cut out the tining and raveling. I then cut out the lin ing and stitched the two together, then turned carefully, so that the seam could not be discerned. I used for the lining and the trimmings a beautiful piece of light-blue silesia. 'I pinked a strip one and one halt inches wide, with which made a rery full box-plaited ruffle around the front and back of top. The cape was pinked on both edges and put on with a ruffle heading, as was also the crown. A large bow was placed on the top."

## Ella Bartlett Simmons.

## SEnsible outing suggestions

If this happens to be the first really prolonged vacation at shox tains, don't make the fact noticeable by a disagreeable boasting of former good Bath
thing costumes should be dark in well-fitting, and never conspic-
uously worn; it is not only the style of the dress, but the manner in which it is worn, that makes the water-toilet modest or immodest.
Don't tell fairy stories anent your social or financial position while sojourning at the resorts. Remember symmer is followed by grim-visaged winter, and lies invented to deceive often turn into scourges and smite you un-

No one is so credulous as to betiere women who wear cheap
jewels and tawdry finery when they drawl out the information that their best gowns and finest jewels have been left at home. Gentlewomen of refinement nev er talk so
Don't lay too much stress upon the clothes you wear. Above
all, never talk dress or criticise the costuming of other women if you would be a pleasing companion to a man. Men hate dress talk and gossip.
If you "bike," don't enter the summer hotel dining-room in costume would be quite as corcostume would be quite as cor-
rectly worn.
nterfeit relationships invariably
ch, d c on $\mathrm{de}, 3 \mathrm{de}$ in $2 \mathrm{ch}, 2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, 3 d e in next $2 \mathrm{ch}, 2 \mathrm{ch}$, $2 \mathrm{ch}, 1 \mathrm{~d} \mathrm{c}$ in same ch, $1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on d c , $\mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{c}, 1 \mathrm{ch}, \mathrm{d} \mathrm{c}$ on $\mathrm{d} \mathrm{e}, 1 \mathrm{ch}$, $c$ in third st of 4 ch ; turn Ninth now- 4 ch, $d$ c on $d \mathrm{c}, 1 \mathrm{ch}, \mathrm{de}$

Counterfeit relationships invariably come to grief. Some one you thought
leagues avvay turns up, and, behold, you are tound out-as you richly deserve to be. The "cousin" myth has been done o death, happily.
[HOUSEHOLD CONCLUDED ON PAGE 17]


## 

 TWO OLD CRUSOESBy Florence McCallen

 scoured floor, and yellow walls shining golden iu the firelight, looked
peaceful enough; but the woman
sitting in the hickory rocker befon are looked far flom peapeful. kuitting with necdless rigor and speed. An
old man sat near, gazing uneasily into the old man sat near, gazing uneasily into the

# .is conciliatory <br> don't know why sou slow 

There was both pity and protecting love in the look she gare him, but she knitted on
without answering. "He said that John was coming from the city to-morrow, and they thought it hetter to
take us-for us to go home with him-forhe thinks it ain't safe-John thinks it, and safe-for us to live here alone. Me se
and you close on fifty-eight. He said-"
"Nathan," said the wife, with forced com posure, "don't you know what they mean?
They are onr sons, but we need not shat onr eyes to faets. James has takeu in all the
fields one hy one; they are now his as snrely fields one hy one; they are now his as surely
as if they were already deeded away. He controls them-not yon or I. We have no man
hecause the need for one and the ability to pay one went with the father, hut mistaken kindnessif they mean to be kind. James bas taken income, and, as he sars, are dependent upon Nhn and him: he is going to try to make
s give up our home. The income, or 'allowanee, as they call it, isu't half what James
gets from one field aloue. Nathan, Nathan, let us take what is onr own and live ou lives out here where we began life together!"
The old man shifted nneasily in his chair. Thes ain't going to allow that. Marthy, th oys ain't. They don't think it hard on
to he spared from work. We'll go into ig house het all ofer without carryin aud we won't hare to do a tap."
"The blinduess of men! To take a strong, and the pleasant, daily work of a lifetlme, set ber down in a strange house-as strange
to her as the golden streets of the New erusalenu-a house not hers, with no duties, The woman shut her firm mouth and aid, after at time, "it will talk" a while she me, I keep my strength so; we'll try it. But if our girls had lived-bors forget, or neve but never expect me to be content. I shall

In time the flitting was accomplished. John he son whom the happy young mother had named in that hlissfully prond and boly first hour of his life, when he las upon her arm,
a small and insignificant germ of humanity interesting to lier alone, for that disciple
whom the Master loved, proved an exceedingl the and matter-of-fact personage. Among he articles set out for removal was the ily of bahies had heen rocked and sung asleep, nd from which three fair little danghter dainty patchroork quilt lay folded in lt, and a t asside with his shius hoot; to him it was hu the shabhy chrysalis from which he had so gloriously cmerged.
the quilt unfolded.
r; Sopliia womld faint, and it is of no poss
"Sophia did not faiut when sbe rocked Captain shields graudebildren in one jn:
like it, when she worked in their family. bls mother remarked, as she refolded the little
qullt and tucked it tenderly away with the qullorin a truuk. John flushed and turned
pilow with a feeling that his mother was nn-
awas casonable and gettiug
To the successful city man the old fields
were simply old friends, remenbered chiefly had paid him bnt poorly. He bad begun to isfied henevolencc, as creatures of his bountr;
but now he felt that his mother had reservations. Nor was she altogether satisfactory in
appearanee. Her crisp, graying halr, which
waved awas from a too-nalurow forehead, wos dressed too plainly, and the conntry make of
her hlue cotton gown made her really tine figure look dowdy in his eses-which were in
the hablt of seeug as his sophia permitted.
He had a vague feeling that his mother had He had a vague feeling that his mother had expected something different from him, he
could not tell what; her wide-apart gray eyes
looked cold and anlike hls mother's eres There was something lacking. When be got
had been put away, but of what had been latd away with it John Raydon had not
notion. Bnt nucmories of bahy days, dear. trouhlesome boy days-all that her two stal-
wart, trounlesome hoys had been to her-was in that eradle's shahhy depths. The rest of her life's happiness lay in the three little graves on that far hillside. Her "rags," as -made by hand, stitch by stitch, with one of -made by hand, stitch bahies on her knee oftener than not-were all packed, and John satw no way of leaving them behind with his mother personally snperintending the loading. So
to the disposing of them late
At last all was done: the old man pottered
ahout, relnctant to leave, but his wife sat upright in the wagon, never turning her bead When they drove away from the old, maple-
shaded house. A loosened gutter hung orer a shaded house. A loosened gutter hung over a
kitchen window. "There, Nathan," she said, as she
that."
"It will not matter," answered John. bare arranged to sell the place at once.
The old man laid :s trembling hand on son's faultless glore. "You ought not to sell,
John, until we see whether mother likes John, until we see whether mother likes "Pshaw, father! I am surprised that you have not more sense and judgment," said
John, shifting his hand petnlantly, so that the knotted and toil-worn hand slid away helplessly:
"They
Withont our sell nothing of ours, Nathan, Withont our consent," salid his wife, with cold emphasis: "and it surprises ne to hear might as well think of selling the National park."
"Truls," thonght Johu, "it is time the old people were attended to-mother is indeed
growing childish." He bade the old people growing childish." He bade the old people
good-br at his brother:s gate, telling himself that his time was far ton precious to he wasted in mere "risitiug:" that they conid
follow him after their risit rith James, He would send a carriage to the station. wo the old folks fared alone up the prim, stone-flagged path to their son's new, unntterably dreary honse. James wife was in her kitchen. She was a fat, dolovons woman, with two objects iu hife; namely, in a good humor, and to save money. Their home was childess except for the presence of a forlorn "honnd" hoy who seemed to
bend all the energy of his fanine-stricken bend all the energy of his fanine-stricken
little body in the direction of "plenty to eat, little body in the direction of "plenty to eat,
and time to eat it"-a state of heatitnde he mand not likely to attain at James Raydob's ras not likely to attain at James mand
farm, as he was kept husy every moment of bis waking life. cold as a dead fish to the old people in turn, sighing wearily, "James is out in the hack field a-spreadin' manure. That field's a heap of tronhle to him; it don't raise nothin'."
Grandma looked at her steadily as she sat down on the sheepskin-seated chair offered
her. 'Jobn's talking about selling the rest of the land, Anu, so I reckon it won't be "Law, more tronhle to you."
"Law, lane! I reckon James'll have a sayso in that! John has alhass aeted like the
whole thing was fisn!", Grandpa fidgeted in his chair, but grandma pa. He acts that way, John does.
$\qquad$ tional slice to the stingy pat of butter the tahle she was setting. "There's that legacy of Aunt Serildy's", she went on, in some
excitement. "James thinks that ought to excitement. "James thinks that ought to
come to him, an' I think so. John grabs ever"come to him, an' I think so. John grabs ever'-
thing; he aln't a-goin' to get that legacy withont a fuss!", "No, he ain't," assented grandma; "but don't you-all think you'd hest leave pa and
me a dollar or two to hus any little thing we may want? We may live quite a splell." this disenssion: He rose, brushing his hard hands down his jean trousers with a rasping sound. "I'll jest go down to the field to John, Marthy," he said. "and you and Ann can get your risit out, so's we can start on to Johu's to-morrow.
Grandma ralte
Grandma walted untll he was wr.ll out of
hearing, and then said, "I've been wantin' hearing, and then said, "I've been wantin'
to tell yon all about Sister Serilds, and now's as good a time as any. set down, Ann; you're
some savin in other things, save yourself when you can as well as not."
Ann obeyed, her light eyes dropping tears Aun obeyed, her light eyes dropping tears
in sinful profusion; graudma took ont her in sinful profusion, graudma took ont jour Aunt Serildy; how she was not your annt at
ath, nor no kin, but just a poor little orphan that my mother took when the little thing was little and cute and well favored. Mother
died when the child was abont ten, and your died when the child was abont ten, and your
pa and me, hein' new narried. We took and
raised her; she helped me in all I had to do, raised her; sbe helped me in all I had to do,
ralsing the children one after anothar, coming ralsing the children one after annthar, coming
on fast-God hicss enn-and when she was

Was awfully hurned hersclf, yet got well, but disfigured for life. The soung man was all
right iu looks, but whiu he saw Serildr he fainted. He never saw her again; she offered him his freedom, and he took it. So she lived was a good man, only weak-like and liking
pretis things. so wheu he-or hefore be pretis things.
died-sent for $\qquad$ ried aceording to his wishes, so she might be raised ahove hard work. I went with ber,
and she seemed to forget all but the fact tbat he still loved her and had thought of her at
last. God had took his eyesight, poor bor, hettered a cood deal him; and theer had hettered a grod deal, auywas. Then she
fretted after him wheñ he was dead, and fretted after him when he was dead, and with as I please. The lawrers got some bole to pick at, and some claim, and so they are still lawin', and I reekon they will law while there's a dollar left. None of you need thought I'd let son know the rights of it, so ron need not worry any till there's something
After a long uight spent in that atmos. phere of ehilly respectability the old comple
went on their was. Grandpa liad intended to went on their way. Grandpa liad intended to
get up early and walk across the field to mend that pipe, bnt the excitement of the previons fnll of pleased comments, and lept He wa them at iuopportune moments whiu grandma's eyes were aching with repressed tears, and her imagination was picturing the old house. deserted for the first time since the first fire had been kinded on the wide old hearth forty years hefure. She was thinking, as the train shrieked into the hustling young cits, that the sun must have passed the noonmark on the worn old doorstep, and that Nathan mist be hnngry; be was excitedly
gathering up bundes and calling upon her to gather:
Suphia received them with the varnish of receut culture very thickly laid on, gave her
nother-in-law a cool touch of the hand and to grandpa as warm a smile as her new gen tilits wonld admit of. There were children in Jobn's home, the ontwardly polite, impish. modern children that make a child-lover quake, and were like a nightmare to their
graudmother. At least two of them werearaudmother. At least two of them were-another-a had, sulky hoy who tore his
clothes, was dirty often, mave noises, and failed in his lessons. This had unpopular boy was ten years old, and his name was Wyuchester. No one thonght of it, but Wrane looked a small, soiled image of bis his gray eyes looked with fcarless honesty straight into one's eyes. His graudparents said little to him in the presence of the fanity, but there was a friendship between them.
His arandmother's eves told him, when he His grandmothers eyes told him, when he
had dropped his napkin at table, that he might happily recover it before reproof came. She bunded his things, and sewca on missing buttons Which the sercauts neglected, and absent. Grandpa told stories of early dars stories with bears and Indiau-fighting in them-understood many makes of guns and revolvers, and could, and did, explain their subject upon which Wrune desited to b posted, they fraternized. Grandna summitted to a pretty cap, the silk apron of a rers old
woman, and the lace fichn, but wonld not gire pery service of the plain her atteudance at Tinted Bretice of the plain little church of the Cilted Brethren, which she found in a hack creet of the pushing and careless sonng
cits. The lnxurious modern bonse was a nov elty at first, but soon became to the old people a dreary prison. They had their owu room, by maids with dust-pan and hroom, hy the two children, who appropriated crerything of interest to them and hid them away like magpies. They missed the cheery, open fres, neighbors gathered about their table and heir hearth. Ouee about their tahle and the pastor of the little church to call. The experiment was not a success. The good man and completed his morning's mista fidgeted) and completed his morning's mistaken perfor-
mance hy accepting a grndging invitation to lumeheon. The master of the honse heing abseat, the three were treated with cold disapproval by Sophia, illd poor grandpa felt rery much as he had done when in nearly
wiul-instead of sundar-school, and slunk home in the gloamlug full of joy that he had had one more glad bonr, and of fear that be must par the prier. As be looked across the put his hand to bls halr oxiecting to tarily put his hand to hls halr expecting to find it
damp. He never invited another amp. He never invited another guest to bis Captain Shields came up from hls winter home in Finida on husiness, and, pltying the many houses. His resldence was next doo to John's bouse-whleh overtopped it hy a ld friends was fully furnlshed, and the two could live here, Nathan. Int I suppose that s out of the question. I have heard some thing of your affalrs, and I think you are meddling."
the old man answered, as they sat down in
the shronded parlor: "she's aetive, Narthy
is; but I gness we can stand it. The hoys are
all we're got; the little girls-they-they ain't
alive, and the boys are all we'rc got."
"Not all, old friend; hut if yon don't listen
to your wifes eounsel sou will soon haye
nothing else. I am sure Martha did not
want to leare the fariu."
"No, she didn't; bnt it seemed the right
thing to do." "No, she didn't; bnt it seemed the right
thing to do." "And she gare in? I thought so. Now, datban, listen to me. I consider you perfectdo you not see to sour own? I know the hoys have the start of rou, hut hold on to all that is legally yours. Live on the farm if Don want to; hire help, and work the land. Don't mew poor Martha up in a strange
house with nothing to do. That legacy of house with nothing to do. That legacy of
Serilda Bacon's will be paid some time; the serilda Bacon's will be paid some time; the
lawyers seldom get all one has. That will be Martha's absolutels: don't interfere with her or the moner. I suppose you are emfortable here?
"Well, not so rery. We don't jest enjoy sometimes hot, but mostly cold. And Marthy -orries about my congh.
'Well, eome orer and look through the
onse every day or two. Bring Martha t will be a change. Bring Martha over; he may or two John told his mother that for must give bim porver of attorney to act depleted as it was hy fees, it was still a con siderable sum-several thousands.

Why not act for $10 y s e l f$ ?
You? Fon wonld get all tangled up, and they'd rob son. Yon couldn't tell your name But it transpired quietly hut surely tbat frandma did act for herself (with the help of the captain. Who was still in town), and in time deposited in a bank, snbject to her good coin of the republic. The hanker was a riend of grandpas, ha por him snob, he was not ashamed of his humble origin, and was still a friend and comselor of the old couple.
The farm uary day. Wrnue "came down" with scarlet ferer. He would always play with any hoy that pleased him, so vo one was surprised. infection. Trane was banished, to the of of the honse and a burse pat in the top When the danger-poiut was passed and grandma took cbarge the thrce had some happiness in that "upper chamber" while they were ln quarantine. The riew was wide,
the windows square and low. There was no heater there; a grate fire warmed the ronm, and grandpa secured a quantity of fat pine,
which made a famons blaze on top of the coal. which made a famons blaze on top of the coal. hour after hour looking across the roofs and hill, she conld she facied migh he her bill; maple-trees about. Througb a side wiudow she conld see across the roof of the shields, house and some racant lots the electrlcecars flash back and forth. It was better than that prison down-stairs; she hegan to be rested. I ought to go all orer the house the next time I go orer to Rohert's. I was so nneasy about Wrane the last
I harried right hack."
Grandma heckoned, and he followed her ino the hack room. "There is a window that opens on this side; you can go right out on have the keys and can open the scnttle." The window came open stlfly, aud they skylight. "If that is nailed now-" It was, but grandpa opened it and disappeared helow like a uew species of dircr. Grandma went back to Wrnne and mended the fre. "Have you heen opening a Window,
smell fresh-airy," said Wynue.
Grandpa was rery tired of the eity; he missed his neighbors, the free, fresh alr, the open wood-ires, the towt have no object in life
tle cors. He semed to haver the cows. He seemed his friend had given him something to do. The going into the house in this irregular manuer was a diversion. He was cheerful all the morving over it.
had gone, when they had lunched and the boy grandma's hand an if he meant to dance a minuct. locked the door opening on the st:iirs. opened the side door, led her across the roof and down the steep, ladder-like stairs, and
stond at an open door trinling his kess gleefully.

## Chapter il.

The attle room bad one great square winsun was ponring a flood of light. The floor was covered with a rag carpet hrlght and dean, and a few old-fashioned chalrs stood stood in one corner; at the other end of the and old, old tongs and poker. Grandma's eyes shone with new llght, and her nostrils
quivered. "Oh, Nathan, if we could only quivered. "Oh, Nathan,
come and live here!"
to live ou the premises. So when Wrune gets
well well move over." Grandma torued pale. "I hadn't aimed to
tell you jnst yet, Nathan, but now I must. tell you jnst yet, Nathan, but now throwing out hints abont us not being capat hle of managing, tull that
han Joho is quing to get James to join uim in getting ont papers to keep as from
sellug any land or spending any money of onrs. Wryne told me, and then I found out The old man's face whitened, and he sat Lord, Marthy, onr own son! How did he "Ile seemed some took hack, but he told me Id know all about it before he got hold ald theyd bave to serve papers, or do some other dirty tatw work.
passe white despair ond the old man's face If they cant fiml us, how kin they sarve pa-
pers? Wedl rum away!" "I'm a'most ashamed of bringing you such
a son, Nathan. Bnt the money he clains is "That's Sopbia! That ain't none o' John's "I don"t hold with laying everything on the "Oman, Nathan; but I do hope it is Sophia."
"Well, well! Whoever started it, they ain"t a-goin' to sarve them papers! l'li kind
hint around about going off on a visit, and they ain t wiling we thast move ip here, and nobody the wisel
"Why, yes; I am. Them days at the top longing to take a good easy meal with my coat off and no sns.jo at my. chow to count Neither John nor Suphia were willing for
the old people to go on a visit. They were strong enongh to care for a scartet-fever pa-
tient three or four weeks, but not to go on a isit. Grandpa bad shown only collected rents fir his old friend, but had consmmmated a deal for him on which sion, and had selishly. kept the money. He but a sled! And for Wrane! While the other darlings- Ho wonld be risking his-
onr-property jet. No; he could not go away on a risit to any one! The old man took it patiently. There was a marked elation in
hls manner when he sat down opposite to grandma in that npper chamber; where she was comforting poor Tyume, Who was pro a few days to school.

## "And now

ges, Wynae, said granapa, looking at down-stairs in the morning, and grandma and wil-more, to
Yon're will be beastly down-stairs. And gran says Again grandpa smiled across at his wife. Wynne, so I guess we sha'n't go tar." Hynue went down the next day, and the he other honse. The boxes were not large a both were strons and acenstomed work. They did it at night, occupying their
old chamber meantime, and watching sharply for any one who might come to "sarre pathe city-men who had been schoolmates of ewas young befor be movel to the farn His wife's chosen bauker was one of his exmployees, and it was eass to withdraw the in the house. Then he wrote a note to hls apon the mantel in his room. Then he le grandma, her knitting-basket and her kitten vardrobe across it, went down-stan an old et himself out, the spring door locking behind him, and disappeared. Then, after loitering went around the block, went in the back way, p the two flights, and stood at the attic doo in amazement. The bed was made up high covered with a familiar blue-and-white wa erlet he had seen in nse forty rears ago. The ore the fire, the clennd tarle drath ne shin ing, blue-cage ware and the odor of the almost too much. He sat down hearily in one "the creaking ol
Why, Nathan! Yon ain't scared, be Jon and gave a little extry brown to them, and the hincon. And look here!', In a little long legged skillet brown biseults were rising conrse, but I wore a hood and veil, and no body asked any questions but the grocery-boy Seems llke groeery-boys are made of ques-
tlous. He wondered at having to fetch the
things so high np, and reekoned we were the
careenkers; and I told hinn yes, we were. I ordered more wood, and had it pnt alongside latchol shields would take comfort thluking place fixem up with her old things jest to have a place in which to rest from her fashionable-
Ther sat dowir to their supper, and the old conple felt donhly cozs when the wind brought
a dash of sleet upon the, window. "I do wishi," satd gramdma, hreaking open a flakiness, "I do wish we might have poor Wymue with us. Poor chlld, he's mighty nigh as lonesome in that house as we can't (lo a thing like that. He's got to mind his ma and pa.'
don't say he and and grafidpa softened. "I don't say he can't risit us once in awhile; "Thank they would?" She had donbts herself about his being missed. Very few were and when he went down-stalrs he was not Allowed to torget that his abscuce had been home poor Wynue wonld always be in dis-

Grandma did rery well in ber voluntary exlle until she went down and explored the
honse. Then she beeame nervons, and started honse. Then she beeame nervons, and started her, aceustomed to the snug comfort of the old farm-house. On thawy days, when the gutters began to gurgle with melted snow, fled up-stairs, Sometimes when she went her rounds sbe fancied she heard stealthy footsteps behimal her; but she saw nothing whén she turned back, not eren a rat. And when
the somuds ceased, that awfnl, heary sileuce! Gradually, however, this nervousness wore
off, and after grandpa had made his cantions off, and after grandpa had made his cantions exit in the mornings, atter John had gone
by on his way to his office, and the children had gone to, school, grandma would go over the honse attending' to Racher's "things" diug, let no monse nibble undisturbed, and diug, let well to the fastenings of the doors. After grandpa lad left lin the morning she roould take the money from yesterday's hiding-place, comut it over carefully, and hide it in a new spot. (Grandpa did not know
where it was even, for might "they" not put the old man to the torture and so make him tell? One morning, as she sat counting it over in Rachel's sumny dining-room on the gronnd
floor, she looked suddenly up from the piles floor, she looked suddenly up from the piles the. grated window. It disappeared on the the. grated window. It disappeared on the of it was gone and that the remaining eye She gathered up thach, rery piercing. duster which lay in her lap, thrust it hastily into a drawer of the sideboard, and went ont to investigate. She dared not open the front door, nor show herself openty at a front win-
dow, but she climbed the tro fights and the dow, but she climbed the two fights and the
ladder and looked ont. Bnt the intrnder had ladder and looked ont. But the intrnder had
had time to get away; no one was in sight who conld possibly be suspected. She saw a nal a ear and swing himself on, but he looked very respectable indeed.
She went down again, pnlled the blinds down in the rooms she had been airing, looked again to the fastemings, and went npstairs to pnt on her things to go ont and do the marketing. She met with no adventure on her way, ruftled as she was, and as she ascended the bilek stairs somewhat breathlessly congratulated herself that she would be obliged to go down no more that day. She pa's oysters to drain preparatory to frying the the pecnliar sound of a stubboun drawer be-
ing forced open, a sound familiar to every housekeeper.

## hapter ili

Conld grandpa have returned? And if so, What conld he be doing down there alone?
Then, cold from her head to her heart, flashed the eonviction that there was a robber in the house at last. What had she done with
that money? Had she bronght it up-stairs? Where had she put it? She went softly and cantionsly down and listened. Maybe, she herself did not know where it was. There was a sonnd in the captain's private room, the sound of roices low and speaking a pecnliar language. Also there was
powering scent of strong tobaeco.
Cantlonsly she slipped past the open door and went on down to hnut that mislaid cash. If they had found it, she argued, ther wonld not now be searching. As she made the last
tnrning in the dimly lighted stair a door tnrning in the dimly lighted stair a door front parlor. She stopped, a slender: dark figupward. "Oli come on down," be said in English. "I don't believe there's a nickel in the beastly old crib.
Grandma started to go down, and the man ran a few steps noiselessly to a small eloset Where avraps were kept. and crept in, think-
ing himself hidden from any old woman. But he did not knowr graudmal. She went up to the
loor and tried to open it; It was tightiy held
rom the inside. She calmets selectell a from the buacli in her pocket to fit it, locked the door, and then went into the diang-room The sidehoard had been ransacked; the napkins, tray-cloths, tahle-cloths, and some soft the floor, and some pieces of silver, overlooked When the fanily made its flittiug, were piled
together on the talnc. Grandma picked up together on the talle. Grandma picked up
the old duster, which had been piled ont with the rest. The money was still in it, and gramdma pht it in her apron a

## hem into the band, learing her hands free

hig a closet, their backs to the door, as the tood, each on a chair, reaching up. Think iug themselves athone in the honse they were
chattcring like magnies. They had watched her go away, and did not know she lived in
alone. They were as mistaken as. the one
down-stairs, wbo had taken her for one of
his confedrates. Graudma went in softy door, quickly slammed it, and lorked it, with her two astonished prisoners within. Sh started up to her attic residence. beginning to feel a little weak. she met grandpaz at the
door; he had just gone np-stairs and was wip ing his feet on the mat. "You look cu'rons, somehow, ma," he
like you had a chill."
She was putting the butter in for the oysby this time, and did not ansiver.

## "Yourd.

Still grandma dia not tell him. He must

## ain eatiug nothing," he said, later,

He looked so shaken, and so old. What it the shonld try to get rid of them herself. A policeman was ont of the question it they After Imncheon she pulted np the old lonnge for grandua te lie upon and take his nap,
gave him a paper and covered his feet. He was soon asleep, breathing like a habs, and There again crept worm proing and tinkering here was a sound of prying and tinkering little dark closet in the lower hall there was ntter silence. She tapped lightly at the door Still silence. She then took the right key off the hanch, put the rest ont of sight, and nnlocking the door, stood a moment waiting.
No movement in the closet. She looked in, and saw a boy not more than sixtren year old lying insensible upon the floor. The faint
light from the fan-light orer the door made light from the fan-light orer the door made
his face look deathis. She was strong enongh in her tright to drag him without much liffculty to the dining-room and open a wiu ow. She got some snow and rubbed it on chin. "Now," said grandma,' "I've heard fith that a rogue was never made of a boy
with a dimple in his chin. I never salw eal mean man with one, anyway. I am going to trist this one, if I can bring him to. I into that dead air. Lord, forgive me!" This pions ejaculation seemed to snggest hands and shint her eyes. "Oh, Lord!" she prayed alond, "thout knowest all things Look in merey upon this poor boy. If it be pray thee restore hinn. If, in thy wistom thon seest that he will alwars be a rogne crer let him come to make others suffer. If a wful tronble, for "Christ's sake. Amen!"' A pair of daxk blue eyes were fixed earnest
upon her when she opened her own. and a ly upon her when she opened her own. and
weak voice gasped, "Did you get the money? "Yon did not get it, at all events," she
"I saw it," he whispered, "when one knem it was what they were I saw it, and tell. I meant to come back and put it in the drawer again. I thonght you might be scared to live here if you knew abont-abont any
body being here."
"Hi
"How did you happen to know about ns
iving here? But never mind now. I must get them rascals ont of that room, and get
them ont quietly, too. Do yon reckon yon
$\qquad$
"I'n going to let them go; ther minst think yon locked them up for a joke. Do you know
mnch abont them? But you can tell me about mncli abont
"Are yon going to let me go, too?",
"No, sonny, I'm not. I'm going to try to find out whose boy you are, and how you with that chin on you. Yon've been sick, aven't yon? You cough terrible! "Yes, lady.
"Well, then, I'm going to nurse sou np and beep you here awhile till them men sen, an fon. I'm going to rest you np, and trast
you in everything, fust like I mother and all abont you." They were standing by this time, and "l'u no good. lady," he said, two tears mile he lad called mp. "I'm just ont of a reformatory, where my folks put me; that'
the lind of a Sunday-school chap I an! I't
heen slck with pneumonia there, and I ran well. Not a sonl would help me but those
fellorws, and I tried to do them a favor and fellorv, and I tried to do them a favor and I could. They kept their word to me, but I
fooled then: yon see I am wor'se than they "But I shall trust you,", said grandma, keepyon rigbt through. I want yon to let them fellows out the way they got in, and then stairs-my hmsband-and he ain't as strong armints keep still; he wouldu't minnte if he lheard abont them. I will keep you here till better times come, if you want to stay. Bnt go now, honey; and hurry."
In a short time the boy returned. "They're gone. We got in at the basement window. they drove me out and then lock
when $1 /$ didn't cone home in time

## grandpa. Yonr try ing gravely at him

ug gravely at him. name," she added, lookHer. She remembered that his tather had been an eminent lawyer and politician, who, after his first wife's death, had dropped out
of public life. He lad, later, married his of public life. He had, later, married his Hrish housekeeper. He had been an old man
when he first married, and in his dotage when When he first married, and in his dotage when "Is your father living?"

## Has-she any children?

"Well, come along," she said, leading the way. " Pa ," she said, appearing bofore him
while he was still blinkiug trom his nap, "this is Judge Colton's boy, and he wants
 The old man looked at the boy a minnte, Colton "First all he had known of Judge last.
Satisfied on this point, he shook hands, and made him welcome. That night, when the of had gone to his bed in the "end room" about the reformatory and the boy's flight from it, bnt said not a mord abont the burglars. "And, pa," she continued, "I reckon yon may as well put that money back in the
bank to-morrow. It has been right smart "Why, yes," he agreed, "for John's been there askin' about it, and whether we'd They told him we had drawed it, every con-

The old man chnckled, but his wife sat masing. "Strange," she said, and sighed, bnt the money! And they were tol able loving little fellows when they were little, too!" For a few days the boy was a care: his
congh was tronblesome, and a low ferer bnng congh was tronblesome, and a low ferer hnng battling with his sinbborn weakness as she had done with every difficulty that had met her with . be call uith the sompuered at last. Once started on the way to recovery he was soon able to go abont the honse, bring hp tharketing. He wonld not go to his home for clothing, and one morning grandma gave lim fifty dollars and went with him to help him choose some
clothing. Grandfather came as near a sueer at this imprndence as he linew how. He sniffed and coughed. "You'll never see a dollar of that money, Marthy!" he said.

It was a transformed youth that grandma retnrned with trimmphantly-a handsome but hand into, ho had been fif and who was glad-how nnspeakably glad-to return. "Now,", said grandma, kissing him at the
ton of the back stairs, "nll these last fears of yours are orer and done with, and yon are
Sterling Colton-as strong as yonr mother and as good as your father, who was a man of honor, but weak. You mnst live up to that you, pa and lue!"
She then went into the room where grandpa sat waiting, and began to bnstle about, givthe effort to suppress them. man Friday-the reșt of the winter would take too long to tell. Wynne found them out - and came once too often, for he was fol-
lowed hy the "incomparables," as grandpa named those other children in his mind, who, thongh they were too eowardly to go down
and discorcr all. hastened to report to their of what he found there he never told. Grandma, through fear that he had come "to Sterling, and apologized for poor Wynue, who
 thinking fast while he sat there taking in softly baek across the roof, the possessor of
many facts and not it few new emotions, he
went down to his library and locked himself in. The next morning he posted a letter to
his brother, requesting him to have the farmhouse vacated at once at any cost, adding, by way of explanation, "Father is not contented way of explanation, Father is not contented
iu the city, and mother is not suited to a life
like ours. Besides, ther now have a young like ours. Besides. they now have a young
man with them whom mother is nursing, as he has been ill. He is the only child of the late Judge Colton, whose estate is still un-
settled. As the old folks will not be alone settled. As the old folks will not be alone
now, and mother mond like to get back in now, and mother mond like to get back
time for the sugar-making, ther ought James sat in silence. while his wife real
Jan as ander this letter, Which all the way from town he
had been trying to adjust to his idea of bis with a sigh. "John's got holt of Aunt Seril dy's moner, aud now he wants sou to give
up what land you've took. He's willin' to "My idea is that Jobn has got his hand into his young fellow's pocket, and he sends the They hoth wronged him, we know: but John uerer explained. Wrnne ras allored
to spend his holidars at the farm during
agar-making time. and the "incomparables"
were :lso sent down experimentally by their mother, aud stood ahout uncomfortably in the way of every hurrying worker, suffering tor-
tures if a turkey-gobbler or a calf looked toward them.
Not to all is it gireu to penetrate to the heart of farm-life. But Wrnne! He went
back to his school-life after each risit feeling that by nothing short of a miracle could he have crowded so much enjorment into two days. John wonders now how he could hare life when he comes down for a day at Tbauksgiving or Christmas. James wife
comes over and unloads ber sorroms on grandua's willing heart, and James comes too, but Sophia never. Past mistakes are

## BECAUSE

it is not because your heart is inine, mine alone
It is not becausio you chose me, weak and louely
For your own;
$\qquad$
Are more radiant for the shining of your eyes
Grows more clear,
And thesed meaning
And Nature sings of praise with all her roices
Since yours spoke,
Since within my sileut heart, that now rejoices
Nay, not even because your hand holds heart and hife
Soothing, hushing all its dill, dscord, making strife
Calm and still,
Teaching Trust to fold her win
Teaching trust to fold her wings nor ever roam,
Teaching Love that her securest, safest home
But because this human tove, though true aud sweet-
Has been sent lyy love nore tender, more complete,
That it leads our hearts to rest at last in heave
Far above you,
Do I take sou as a giff that God has giveu-
pioneer tales
bi charles h. bartlett
The black bear figures very couspicuously in the early history of all the conntry bor-
dering on Lake Michigan. A rery large one dering on Lake Michigan. A rery large one
is the subject of an interesting tale, as told by Mr. Adam Baker, a pioneer of this part
 The boy Adam and his hrothers William and Nelson were helping their father gather
turnips. A neighbor had a larger crop of
this kind than he could make use of. and had therefore sold the Bakers several loads from his field. lying only a few rods north of the
present site of the Sumption's prairie cburch, present site of the Sumption's prairie cburch,
near South Bend. They were dricing into the field for the last load when a gun was discharged hy some one standing just within a
near-by thicket that had lately sprung np at the edge of the clearing. The next moment yell, his blanket flying and his whole body In most violent action. He vaulted over some
shrubbery that lay in his path, and then hounded away with most surprising agility.
The querulous bark of a little dog, with now and theu a heavy groml, and the constant
crackling of twigs, as of something breaking through the bushes, contimed for some mo-
ments, when at last they caught sight of a huge black hear. The heist had been struck
and, smarting with pain, bad pursued the in dind, smarting with pain, bad pursued the in
dian. But the latter's little dog. well trained for such an exploit, was at hand to snap at sumption and its irritating bark. The rery nuch to the effectiveness of its attack, and ear, in a riolent rage, turued to smash the into the bushes. There out of reacb and out

In the meantime the Indian at a safe dis
tance was pounding home a load of powde and lead and adjusting the priming of his the wear greatest care. While the dog and hunter crept from trce-trunk to tree-truuk, bis tribe, stole near to the side of the great beast. There was a tlash, a hoom, and then
the rell, the fying blanket, the gesticulatiug the yell, the fying blanket, the gesticulatiug
legs and the precipitate retreat. Then came a lull. Was it over? Not yet. for soon the little dog's yelp
still on all fours.
Again und again approach followed retreat. hots. Bakers thonght they had counted twelve awas, but instead pointed to the spot where ine quarry was stretched in death. Beckon-
iug his hands. he cried out, "II of course, they hasteued to the spot, and found that there was indeed a hig heap of bear meat in that mass of glossy fur. It was such signs and gestures as they thougbt appropriate, they tried to Hatter the Indian heen very poor-and to conimend him fordeed promptly with profuse nodding of the head aud hroad grins. They tben lifted the bear a.s home. He had pitched his lodge on some low grouud hy the side of a stream, about ninety rods from the spot where the winter how stands, and had just begun the stood before the door of the Baker house mith a present of a ueatly dressed rib-roast from the side of the bear.

Whenever Mr. Baker tells the story about the Indian and the black bear the grandchildren always beg for the other one about sears after the famils a trap. In the first sears after the family came to Indiana the
wolves were rery bad. Their numbers theires were rery bad. Their numbers and So tbe bor Adam made a wolf-trap, aud had the good fortune to catch a live roolf. And a wolf therein, for the woit is not only a
vers bad old brute, hut also a very sly one, and seems at times to have almost the discernment of a buman heing.
The trap was made of stout round timbers five or six inches in diameter. The trap cost a good deal of labor, for these sticks of tim-
ber were fastened together by long pins. The ber were fastened together hy loing pins. made
sides, the ends and the top were thus made separately, aud then all parts securely pinned together, so as to forul a very heary box six
feet iong, four feet ride and three feet high. A floor was made of similar timbers pinned together, and then the trap
Days went br, hnt nothiug approached that
cunning device. Adam's brotlers began to laugh at him. But one morning the trap mas down, and on going near they discorered that there mas indeed a live wolf twisting about
on the inside and seeking in erery may to get on the inside and seeking in erery may to get
out of this stout peu. The boy Adam cut forked stick, aud with it canght the wolf's leg and drew it through a crevice in the trap.
He then cut the tendous. so as to hamstring He then cut the tendous, so as to hamstring
the creature. Theu all the dogs in the neighborbood were gathered about the trap, aud among them the two belonging to the Baker large bulldog, famons for its savage aud tenacious bite; the other one was called Perrs from the name of its former owner, a negro in the old Ohio home. The dog Perry looked ike a big Gordon setter, except that its body, face and all, mas covered with long. bristly hairs, imparting a vers savage appearance. Though large, he was a nimble fellow, and he Ther gave watch the first chance at the wolf. The former advanced boldly yet caulously. But the wolf got readen lash, gat one vicious snap and drew back. And the dog also drew back, for the gleaming fangs of the mild beast had cut a clean gash from end of his nose. Thereafter Mr. Watch could not be induced to eren so mucb as look at Perry, beld back duriug the first contest bad been taking notes, and profitiug thereb, sprang at him he dodged, and then caught the animal just under the lower jar and beld him until his strnggles were over Erers one desired to have his dogs bite the wolf, for fortunate experience, contributing to their
higher education. They might thus be uade higher education. Thes might thus be made
bolder in attacking other wolves, whose extermination was greatly desired by the whole community. So all the dogs of the neighhorhood pulled aud tngged and bit the tough carcass of that wolf to their hearts content,
after Perry had got through with him. Fiafter Perry had got through with him. Fi-
nally, Adam seized the remains and hore After dinuer the family went out to the of the creature had heen the mutilated body great surprise the wolf was gone! Left to
bimself, he had revived. opened one eye. and and made off. But the dogs were called ans and made off. But the dogs were called. aud



We Will Send This Knife, and the Farm and Fireside One Year, for

Given as a reward for a club of SLX yearly subscriptions to the Farm and Fireside. Postage paid by us. Always order by the premium number

|  |
| :---: |
|  |
|  |
|  |
|  <br>  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |




BECAUSE THOU KNOWEST
The thon knowert well
The seeret tronbles of onr
thonghts we cannot tell
thonghts we cannot tell hey mily be-

## fort lies in the

It the dear fert our gricts
thee our burdens laid;
(1) flad the smashine, thongh our way

Hes deen in shade
From thine all-setrching sight, $O$ Christ, we Those secrets whieln from friends aromad ar lddeu •
Ah, no! hut as a grieving ehild leans on its mother's knee.
We put our trembling hands in thine, and tell our griefs to thee,

## Beeause thon knowest, sou of them

Becanse thine in all, us when we fali.
loug ago
learued human joy and wo
Bend down, and put thine arms about thy Because thou knowest all their hearts, their need of thee eacy dar:;

## whatsoe er our th great or small,

## as a mother eomforteth," whlt thou,

 Tho knowest all-Mary

## EVERY LIFE A PLAN OF GOD

THERE is nothing incongruous in er, looking down the years, tak ing iuto account the endowment and inheritance received by the childnature, and knowing all circumstances,
skould plan its life. It is reasonable to think that he means it to be and to enjoy all the best, noblest and sweetest experiences which, with its
nature and its euvironment, would be possible. It is easy to believe in a be ing, restraining spirit following the life with tender touch upon the conscience and the tendency to 'stray'; yet leaving the child-nature unforced, and dominated, after all, by its own free choice.
It is easy to believe that, as life moves on and the nature in its development falls far below its best, he, whose plan if carried out would have made a useful and happy life, mourns over the wreck caused by indifference and sin. The noblest plan of God for that life has failed. The ebbing waters may rise again, but never to the high-tide that midual have been possible to that indinot, and will not be. Yet we could make no more serious mistake than to suppose that God abandons his plan. What seems utter failure to us may not mean utter wreck to him. He sees not only with purer eyes than can bear to behold iniquity, but with far-seeing eyes that make no nistakes; and he
judges with compassionate heart that knoweth our frame, that remembereth that we are clust.

We are sate iu belicring, then, that the same love that planned to give us his own highest and best, seeing to what low estate we hare fallen, plans again to get our feet out of the miry not his ultimate best this time, perhaps; not the ideal he had for us in the beginning. That ideal we shattered, remember, by our own hand; and we
are forced, to our shame, to remember that nothing from outside the soul has any power to mar or to thwart Cod's ons by which our life mioht have been carred to immortal beauty or dwarfed and broken and destroyed.
yet eren when destruction in whole or in part has been the result ot our errors, here again is a plan of God by which the best we may still be, if not wrought out. And no matter how many times we fail to measure up to "the full stature of the perfect man," this won-
derful fact holds true-that (iod is atways drawing near, and always holding before our wayward sight a plan, new, inspiring, enconnging, by which the highest possibitities of the creature
that we now are may be developed, and. that we now are may be developed, and
the highest results in nobility of char-acter be ontained.
Are we among the souls that have fallen oul of the ranks and are sitting dazerl and blind by the wayside? Has ciod's rictorious army gone marching on toward the lingdom, and are we left behind? Yet in the beat of their receding footsteps there is a throb to which our pulses are kceping time. In théir slouts and songs is a voice that, floating lackward, bids us rise and follow on. "Come slowly," it says; "feebly if you must; but come this way. You may not go as fast or as far as if you dering, but strength in useless wan may come, this is the line of march, this way the leaclel passerl," And nearer still, and soft and low, speaks the voice of the spirit so often unheeded or despised.
"All is not lost," it murmurs, in tones that have been pleading with us since we were little children at our mother's knee. "Still is it possible to build on the ruins of God's thwarted plans for the body a temple that shall be a fit dwelling for the living God. Still is it possible to train the stunted and neglected intellectual powers until they shall grasp the purport of God's present plan. Still is it possible for the soul to come into such accord with God's latest purpose that all our powers, bodily, mental and spiritual, may be bent in trustful obedience toward helping h

- How many times before we hindered and thwarted him by ignorance, by earelessness and worse! Now, may we bend every energy toward becoming coworkcrs with him for the redemption of lost years, for the restoration of lost powers, for becoming the very best that he can make of us-now that we are done, once for all, with the poor, pitiful business of making ourselves. The clay in the potter's hand, that was found so poor that it would not take and keep the shape he meant, may yet be fashioned into some shape that can be made to serve. He may be forced to put it to more coummon uses, to make a vessel less shapely and fair than the one his love had planned, but he will never throw away one lump of clay, nor cease to strive to overcome its unfitness, so long as it lies passive in his hands, howerer
may be.
Unwortly enough seemed the clay with which he anointed the eyes of the blind; but his hand upon it was all that was needed to set it athrob with life and power. The result of that contact so long ago, was that the blinded eyes were opened and another soul crept up out of darkness into his marvelous ight.
That the clay may come to know and to answer the divine touch with a pulsing, radiant life is everywhere a part of the plan of God. And so long as there is clay, and so long as there is God, he who sits "blind by the wayside" may be comforted as the child is comforted who is left alone in the dark.-The Occident.


## BACKBONELESS HUMANITY

It is the home indulgence of early life that is responsible for so many specimens of backboneless humanity. There are many mothers of the indulgent kind who have it not in their hearts to make their children do anything that is unpleasant to them
The frequent "school headaches" are accepted seriously, and the lessons are shunted for that coveted run in the gurden or that jolly play in the house If music be unpleasant for little miss, still in the grinding drudgery of scales and fingering, music is dropped because she has no taste for it, and it is cruel
to force her inclinations. So with the brother's Latin and arithmetic, geog-
raphy and listory. raphy and listory.
The uother maintains the abnormality of her children all through, and makes the childish petulance and childish dislike of initial drudgery the meas ure of their mature requirements. Nol wrong. She makes kindly excuses to them and for them, and puns excuses the pain of if and conf self the anguish of inflicting a deserved punislment.
She wishes, poor sonl, to be all that is sweet and grood and loving to her children, but she has not strength of mind nor force of will enough to make them feel that everlasting truth of conse quences and responsibilities. She wants training, and to be happy without the drawhacks of sorrow for wrong-doing and the bitterness of suffering in punishunent.

She thinks if slie makes them strong and healthy and happy they will necessarily be good, and she does not see that all the while she is weakening their moral fiber and making them selfindulgent, mable to resist the pains and misfortumes of life, and sure to bccome in the end a member of that purposeless species known as backboneless humanity.-New York Ledger

## THE SIN OF FRETTING

"There is one sin which, it seems to me," writes Helen Hunt, "is everywhere, and by everybody is mimerestimated uations of character. It is the sin of fretting. It is as common as air, as speech; so common that, unless it rises above its usual monotone, we do not even observe it. Watch any ordinary coming together of people, and we see somebody frets-that is, makes some more or less complaining statement or other, which, probably, every one in the room or the car or on the street-corner
knew before, and which, probably, nobody can help. Why say anything about it? It is cold, it is hot, it is, wet, it is dry; somebody has broken an appoint bad faith somewhere has resulted in discomfort.
"There are plenty of things to fret about. It is simply astonishing how much annoyance and discomfort may be found in the course of every day's liva sharp at the simplest, if one keeps a sharp eye out on that side of things trouble as sparks fly upward. But even to the sparks flying upward, in the blackest of smoke, there is a blue sky above, and the less time they waste on the road the sooner they will reach it,
Fretting is all time wasted on the road.'

## KEEPING THE CLOCK WOUND UP

A recent writer commeuts on how whole future. In a town in which this gentleman once lived-a town that later grew into a prosperous citythere were two jewelers, each of them just about making a living, and maybe just a hittle more. They were going
along that way when a new-comer-a man of wealth-bought land in the town and built himself a fine house and settled there. These new people had a good
deal of work for a jeweler, and they deal of work for a jeweler, and they
tried both of the jewelers to see which they liked better, before settling on one, and it was hard for them to decide; they liked them both; both did good work, and they were both pleashappened that made the head of the house come at once to a definite decision. One of these jewelers had in his window a clock which the man of the newly arrived household used to consult in passing; he found it a good it foreeper, and he came to rely upon a friendly feeling for its owner, when, going by one day, and looking in at it as usual, he saw that it had stopped. The jeweler that had placed that clock in the window, thus inviting confidence in it, and through it in himself, had forgotten to wind it. That settled it with the new-comer, who was a. precisc
man, who had made his money by exact
attention to business; and after that his carriage always stood in frout o the other jewelers store. The hetle history of the two jewelers. The one grew iuto a rich man, while the other that day moved into a side street as the city prospered. That illustrates a great many things that occur in life. Mell go along doing very well, until some day they let the clock stop, and hrough a single shady deed, or angry word, or ungentlemanly look, they detroy the work of a litetime. We can never afford to be off our guard in this world. We must kecp the clock round, and hold it to its obligation to keep correct time every day in the car it we are to fulfill the full meas ecdotes.

## HUNGRY FOR KIND WORDS

When the late C. P. Leland, so many years the famous auditor of the Lake hore railroad, was stricken with the illness that finally ended his life, Mr. Newell, the president, was very solictous as to his condition. He asked about him frequently, and went to see him whenever he could. Mr. Newell was stern and unappreciative, and practically worked himself to death. One morning he was shown into the
sick-room, and he made his usual inquiries.
Mr. Leland lay silent for a little space, gazing fixedly at his chief. Then he spoke.
"inr. Newell," said he, "I know that the end of my life is very near. The loctors have known it for some time, but they only told me of it to-day. If my work is ended here, I am ready to go. But before I go, may I ask you "ust one question? ook a seat.

號, as he "I have held an important position under you for many years. It was a work to which my life has been given;
into which my whole heart entered. into which my whole heart entered.
What I want to ask you is this: In all What I want to ask you is this: In all that work, in those long years of serwhich you approved? One single bit of that work that was worthy of your commendation? One single item anywhere upon which you could lay your finger and say, 'This thing has been well done?
Mr. Newell answered, "Leland, you know that your work was well done, and that it always met with my approal."

Then why did you not tell me so ?"
The iron mask fell. Mr. Newell's eyes flled with tears. He took the hand of the dying man in his.
Then he let the other for a moment see into his soul. "I have tried to. do these things, but I cannot. They will not out. That is the only excuse I have. I thought you knew how your work has always seemed to me. I ought o have told you so. Is it too late that I tell you now
Little words of kindness are worth more than gold. They should have free coinage.-Current Anecdotes.

## LOVE YOUR business

A man can no nore be successful in business he does not like than can a man be happy with a wite he does not

Enthusiasm is the power which impels men onward in any and every vocaThey will drift. But to pull against the fide they are as unable as they are unwilling.
Drifting, however, does not win the ace, either in business or aquatic There must be the long pull, strong pull and the pull with vigor Men in business to-day have no easy task. There is a great deal to discourage and very little to encourage. There are foes within and foes without to contend against.
Under such conditions it is no wonder so many either fail altogether or eke
The antidote for despair is enthusiasm, and the germ of enthusiasm is love for or pleasure in that business or vocaion in which you are embarked.
Therefore, it ydu would succeed, get
in love with your business.- Selected.


## as to queer names

The man from I＇unxsutanney and the man from Liokomo
Discussed the Chinese troubles，and the first said，＂Don＇t you know，
hink these Chinese nanes are queer enough ＇That＇s right．，＂replied another man，from fair Caucomgomoc
The man from Liokomo observed，＂ By ginger， Tbat＇s what my hr
bat s where in Hackensuck．， And still another stranger said the man＇s And added．With a smile of pride，＂My home＇s h Kal＇mazoo
Another man took up the strain．＂Now，down And up at $Y^{p}$ psilanti we speak of it every dar． The names are all uncivillzed and heathen in That＇s what I told my uncle yesterday，in
Ishpening．＂ ＂Hohokus is my native town，＂another stran ＇And I think all these Chinese names the worst I ever read．
te true，＂agreed a quiet man，＂they＇re certainly uncanny
what my
That＇s what my neighbors all assert，in Tail Holt，Indianny． $\qquad$

## BILL NYE＇S JOKE

WHEN Bill Nye，in collaboration with ing the conntry as a lecturer，be stopped at a mell－known Chicago hostelly one erening，and was scorted to a place in the big dining－room directly across the table from a dark man， wib hears，black mustacbios，and a Mephis－ topuelian goatee．Are recognized his ris－a－ri as Herrmanu，tbe magician．but beyond a quizzical stare gare no sign that he knew the eminent prestidigitator．Herrmann was rers well arrare that the bald man opposite him nition br wopd or maner．Hermann bad in fact，prepared a little surprise for the humorist，and several otbers seated at the table were in the secret．
Are was about to lance a leaf from bls superb and he espied，lyiug beneath it，a fine gold ring．Without showing the least surprise he lifted the ring from the salad－bowl， slipped it on his finger，conscious all the whlle that crery eye was upon him，and turning to Riler，who sat next to him，remarked，with bis dre，inimitable drawl：
m Strange how careless I am getting to be in ms old age，James．I am forerer learing my ewelry in unlikely places．＂ Herrmann was dumbfounded at the sudde hat bc was destined for a still greater shock， for when the darky waiter who presided orer the table brought on the next course，Nye
turned to him，and soberly bandiug him the gem－set ring，said，＂You are a very good ＂Ies，sab．I guess I is，sah．＂ ＂And you always will be a real good waiter，

Tes，sah．I＇m boun＇ter do ma best，sab．＂ n evidence of my faith in you I want as
o accept this little trifle．Wear it，and al－ wars remember the man who most appre－ ciated sour services．＂ The darky＇s cyes bulged．Herrmann＇s fork alled to the floor，and he tugged at his cut in with an explanation at too clever to portune moment．There were half－suppressed titters all aronnd the board during the rest of the meal，which the professor of occult art did not appear to enjoy．At a late hour that nigbt Herrmann was heard in loud argu－ ment with the duskr recipieut of the diamond ring，trying in two lauguages to convince him that it was all a joke on the part of more Nye．Fiually，after disbursing a tip of more than customary liberality．Herrmann got back his ring．He aftermard avowed dhat the stone alone was worth two thousand
dollars，and that Bill Nye＇s nonchalant pres－ entation of it to a grinning menial had spoiled a whole evening＇s performance in legerde－ main．－Success．

## HIS RECOMMENDATION <br> A kind－hearted clergyman mas lately com－ pclled to dismiss a gardener，Who used to of his wife and famlly he gave him a letter of recommeudation，and this is how he worded it：＂I herebr certify that A．B．bas that during that tiune he got more out ond garden than any man I erer moplored．＂ cbange．

## HORSE－TRADE RULES

David Harum was a good horse－trader，but recent transaction in horse－tlesh，which was made hy a well－known Memphian，shows that there are otbers who know how to get the this Memphis man saw a fine buggr－horse which he thought he wanted．He located the awner and asked the price．＂One fifty，＂was the reply．After looking the animal orer closcly and trying her speed he concluded it was a good trade，and without more ado wrote a check for the amount．The next day he found that the mare was as blind as a bat； but this did not hinder her speed nor detract from her general appearance．He drove the attracting the admiration of another lover of horse－fiesh，who made a proposal to purchase． ＂Well，＂said the Memphian，＂I gave oue fifty for her，but I will let you have her for
The prospective owner looked the animal orer and concluded he had a bargain．He paid over the money and took the mare． thing she dia was to tun then，by war of to rua izingst a post and she was hlind，fell orer a bare the next day the buycr came back to the Jemphian witb blood in his ere
＂Colonel，rou know that mare rou sold me？＂， he began．＂Well，sbe＇s stone－blind．＂
＂I know it，＂replied the colonel，with an
＂You didn＇t say anything to me about it！＂ said the purcbaser，his face reddeuing with anger．
＂Whatl，I＇ll tell you，＂replied the colonel． ＂That fellow who sold her to me didn＇t tell me ahout it，and 1 just coucluded that he didn＇t want it known．＂．
The new owner took his medicine and is now on the lookout for a friend on whom be can


PAUL KNOWS HOW TO DO IT

## ＂Hello，central！

＂What number，please
the palace of the Dowager Empress．＂ he palace of
＂All right．＂
＂Is that the empress？＂
＂I am Paul Kruge
African republic
＂Trell？＂
＂I merely called you up to adrise you to load your capital into a jinrikisha and get ready to trek．＂－Pittsburg Chroulcle－Tel egraph．

## MISTAKEN

Tbe son－＂Pop，the bay in tbe barn is all The father－＂It is the
Ther about terribly
is the work of tramps，ms
son．＂
The
The son－＂Why，pop，I thcught you told m

$$
\begin{aligned}
& \text { A MIDSUMMER WISH } \\
& \text { These summer days, } \\
& \text { In burning baze, } \\
& \text { I rather wish } \\
& \text { I rere a fish; } \\
& \text { Or sas a frog } \\
& \text { In some wet bog, } \\
& \text { With nanght to do } \\
& \text { The long day through } \\
& \text { But soak and croak, } \\
& \text { Aud croak and soak. } \\
& \text {-Harpe } \\
& \text { BOASTS }
\end{aligned}
$$

## ＂Ma

＂An＇ma faither，too，＂said her playmate． ＂Ah，but ma faither＂s a brare mon．He ${ }^{\circ}$ ．
als．Au＇he gat the Victoria cross．The Queen pinncd it on him wi＇her ain hand，＂ breathlessly annonnced lassie number one． ＂An＇una faither＇s braverer，＂cried the other got gangs and gangs $o^{\prime}$ medals an＇Victoria crosses．An＇he＇s sot a bonnie an Yictor an，＂With a triumphant shriek，＂the Queen

## MISCELLANY

＂Well，tbat＇s enough to try the patience of Job！＂exclaimed the village minister，as he threw aside the local pape
＂Why，what＇s the matter，dear？＂asked his ＂Last Sunday I preacbed from the text＇Be ye therefore steadfast，＇＂auswered the good man，＂but the printer makes it read＇Be se
there for breakfast．＇＂－Chicago News．

## A FAR－SEEING YOUTH

The fatber wanted the young mau to go into business，and the hoy wance to awyer．
＂Wbich would you rather he，＂argued the ＂I＇ll be hoth if a millionaire hance，＂replied the sou；and the father har ied him awas to law－school．－Det：oit Free Press．

HE WAS A BOXER
Please play for me your farorite
He pleadingls besougbt his Rosa： of course，＂said she，＂I＇ll play you now A nocturue by a great composer． He smiled，aud then，as readily， A plarful little glance be throws her， He interposed，in tone of glee，
－Richmond Dispatch．

## MODERN INVENTIONS

＂I should like to get a patent on thls lm proved weddingering，＂said the Chicago in Washiugton ＂Anpthing no
＂Yes，sir，＂replied the Chicago Inrentor；＂it is adjustable．＂－Harper＇s Bazar．

## THE RAINY DAY

## Mrs．Spinks－＂Where is the uoner sou bave

 cen saring for a rainy dayMr．Spinks－＂In the Neverbreak bank．＂
Mrs．Spinks－＂Thell some of it． 1 want a new waterproct．＂－New tork Weekly

## HIS REASON

Mother－＂Didn＇t I tell sou not to touch tbe reserves without my periuission？＂
Mother－＂Then why didn＇t you come to me
and ask me？＂＇
Son－＂Because I wanted some．＂－Life．

FREE
We will send this Repeating Air－rifle Free for a Club of SIX yearly subscriptions to the Farm and Fireside．（See ship－ ping directions below．）

## A NEW REPEATING

## AIR－RIFLE

We here offer the new 1900 Globe Air－rifle，which has severalimpor tant improvements，making it one of the best Air－rifles ever sold for the price．

## Description

The Rifle is made of excel－ long．with nickel－plated barrel． It has a globe sight and wood－
en stock．It is simply and strongly made．Any boy can
operate It．It is a very hard operate it．It is a very hard
shooter．It will carry a bullet
a long istanc．It is easily
and auickly logded． が $\downarrow$

Shoots<br>300 Times

We guarantee each
and every Rifle to
arrive safely and in
perfect condition and

$$
\begin{aligned}
& \text { to be as describe } \\
& \text { and to give entire }
\end{aligned}
$$

satisfaction or
money refunded.

$$
\begin{aligned}
& \text { A club-raiser's out- } \\
& \text { fit will be sent free }
\end{aligned}
$$

$$
\begin{aligned}
& \text { to any one } \\
& \text { who wants }
\end{aligned}
$$

$$
\begin{aligned}
& \text { whowants } \\
& \text { to get up a }
\end{aligned}
$$

ciub.


We will send the Farm and Fireside One Year

Renewals and club－raiser＇s own subscription ca

## FARM AND FIRESIDE

$$
\begin{aligned}
& \begin{array}{l}
\text { The ammunition-chamber } \ln \\
\text { the Repeater holds over } 300 \\
\text { bullets. The Repeater is op- }
\end{array} \\
& \text { bullets. The Repeater is op- } \\
& \begin{array}{l}
\text { erated by pressing down a } \\
\text { spring after each shot. The }
\end{array} \\
& \text { a mmunition is B. B. shot, which } \\
& \begin{array}{l}
\text { is for sale in stores every- } \\
\text { where. Ten cents will buy }
\end{array} \\
& \begin{array}{l}
\text { where. Ten cents will by } \\
\text { atout } 1000 \text { bullets. Owing to } \\
\text { its accuracy, hard shooting }
\end{array} \\
& \begin{array}{l}
\text { and the cheapness of its am- } \\
\text { munition, this new Glom }
\end{array} \\
& \text { rifie is very popular alike Air- } \\
& \text { grown-up people and boys } \\
& \begin{array}{l}
\text { By a ilttle practice remarkable } \\
\text { skilin marksmanship can be } \\
\text { attaine }
\end{array}
\end{aligned}
$$

## \% HOUSEHOLD

[continued from page 11]

## regeneration

[Cornelia Moots writes from Manila that the inclosed poem is by a man serving there In the army under an assumed name: "He is trying to have his relatives lose hitu be-
cause he is sueh a drubard. He has had a fine edueation and good positions; but drink pulls him down. He thought that if be rent teen is here, and he has been repeatedly in jail for drunkenuess. He is there now."]
Lord God, thou lettest the greeu things start A new life every year;
Out of thelr sunken selv
Out of their sunken selves they rise,
Behold the lily's pure white leares
Uufolding by each mere!
Again the sap mounts in the fir,
Throngh every swelling rein;
Again the clover stirs and thrills
Again the clover stir's and thrills
Fesponstre to the rain;
galn the tender grass makes green
Hark to the golden flood of song
The lark pours to the blue!
Behold the strong, undaunted shoot
Pushing its brave front through
The fallen trees! Lord God! Lord God!
Out of my own self le

## For, God, if it can be <br> A new and nobler growth may rise

Surely a stroug, pure life, may mount
Out of thls life in me!"

## HOME TOPICS

is not very satisfactory to de-pend-on buying a cake of com pressed yeast every time one
bakes bread when living at a bakes bread when living at a
distance from a grocery-store. Sometimes the yeast will be forgotten until time to use it, and sometimes the groceryman will for it. The past year I have used a honve-made yeast which is little trouble toprepare and makes delicious bread.

To start this yeast, save a pint of the were cooked, and dissolve one cake of compressed yeast in one half cupful of this water, having it lukewarm when the yeast is put in. Put the rest of the pint of lukewarm potato-water into a two tablespoonfuls of gal sugar and when this is dissolved add the dissolved yeast-cake to it; stir it well,
screw on the top loosely, and set it in a warm place, but not where it will heat, until it is light and foamy, then serew the top down tightly and keep in
a cool place. The day before you wish a cool place. The day before you wish to make bread add another pint of
lukewarm potato-water and two tablespoonfuls of sugar. Let it stand about twenty-four hours, thell. beat the foamy yeast thoroughly, and use half of it to make three large, or four sinall, loaves of bread, adding a pint of lukewarm Mix the bread at once, kneading it thoroughly; cover it closely, and let it rise until morning, then make into the jar of yeast in a cool place, and the day beforc you wish to bake again add a pint of potato-water and two table spoonfuls of sugar, as before, and re
peat this every time you bake, peat this every time you bake.
Any kind of yeast should be kept at as low a tcmperature as possible with-
out freezing, so that the yeast-plant will not grow. Then when yon wish it to grow and the bread to rise, a temperature of about ninety degrees will start it; but it does not need to be lept steadily at above seventy degrees to
secure the best results. I keep iny jar of yeast setting on the floor of a cool cellar, and although I have used it for almost a year 1 have never renewed it sugar every time I bake keeps it always sweet, fresh and foamy, and it never fails to make good bread.

The eating of East Indian dishes is a growing custom in this country. Hot curries, with rice, are healthful and than in cold weather. Rice should have every grain thoroughly cooked, so there is no hard portion in the center of the
kernel, but never mushy. kernel, but never mushy.

Chicken, real and lamb are the best meats for curries. Put a tablespoonful
of butter in a stew-pan, and when it is of butter in a stew-pan, and when it is
melted put in a sliced small onion, and melted put in a sliced small onion, and
let it fry until yellow; then stir in a let it fry until yellow; then stir in a sliced ripe tomatoes and a teaspoonful of curry-powder mixed to a paste with a litule water. Have the meat cooked tender in a little salted water, letting the water nearly all cook off. Take up the meat in the center of a platter, with a border of rice around it, add the hroth to the curry, let it boil up, and pour it over the meat. I sometimes use cold roast lamb or vcal for curry; preparing the sance as above, adding any gravy left from the roast, and lay ng the slices of meat in the boiling oughly.
Now is a good time to replenish the stock of table-linen, for many shops are stock of table-linen, for many shops are
holding special sales, and hemming table-cloths and napleins, which should always be done by hand, is suitable sumalways be done by hand, is sur be done on mer-day sewiug which may be done on the cool veranda or under the shady trees. The hem should be a very narrow, rolled hem, or a wider hemstitched one. If you are buying linen of medinm price, choose one where the pattern
covers the surface well; but when buying the finest damasks, select one with much plain surface, as the pattern and quality of the lines will then show to perfection.
Don't throw away the trimmings from new fable-cloths, as the loug linen ravelings from them are the best threads with which to darn when tablelinen begins to show worn places.
Careful washing and ironing are necessary to keep table-linen at its best and to make it last. It usually wears out at the folds first, so make as few folds as possible in ironing. See that the do not let the linens be humg and do not let the linens be hung out to whip to pieces in a high wind. The love of fine linen seems to be innate in
every good housekeeper's heart, and once possessed surely merits good care and attention. Marda McL.

## FLOWER GAMES

When a flower festival or flower tea is to be given, all sorts of flower games are in order, and some of these, when ingeniously contrived, can be made quite amusing. The following lovestory tells itself, as will be seen, by answering the questions with the name of a flower. The ouest who answers correctly the greater number of quesions receives a prize
What was the maiden's name and the color of her hair? Marigold.
What was the name of her lover, and with what did he write it? Jonquil.
Who was her most formidable rival?

## Bouncing-bet.

What mnfortunate possession preented the latter from eclipsing her? An adder's-tongue.
What, being single, did John often ose? A bachelor's-button.
Therefore, in self-defense, which of the United States did he seek? Matri mony.
What instrument did he use in ser enading
trumpet.
By what means did he climb to her By what means did he climb to hex Jacob's-ladder
At what hour was she awakened by he music? Four-o 'clock,
He being fond of fishing, by what gift lid she reward him? Goldenrod.
What candy did John often send her?
What ghasily trophy did he offer he at the time of offering himself? Pleed-ing-heart.
What did she say to him as he knelt before her? Johmny-jump-up.
What did she offer him as a token that she accepted his proposal? Tulips. And by means of these what flower was he enabled to cultivate? Heart'sease.
What flowers bloomed in her cheeks? Roses.
o whom did she refer him? $P o p p y$ What were John's last words when obliged to leave his betrothed to pre pare for the marriage? Forget-me-not.
What occurred as he took his deparWhat occurred as he took his depa
ture? A yellow rose (yell arose) ure? A yellow rose (yell arose).
What fragrant letter
What fragrant letter did he soon send her? Sweet $P$ (pea).

Who were the twin bridesmaids?

## oscmary

Who was the best man to the groom? Weet-willian.
What did the bride wear upou her head? Bridal-wreath.
What did she
What did she carry in her hand? Bride-roses.
What clergyman performed the ceremony? Jack-in-the-pulpit.
What did the gucsts throw after the bridal carriage? Lady's-slippers.
What good wish may we extend to
them? Live-for-ever.
tife batple of the roses
This game is played with an equal number each of red and white paper roses. These are tied in clusters-five or six roses in a cluster. 'Iwo of the bunch of red roses, the other one of white. As each guest, when her name is called, passes to her place in the line, she arms herself with a cluster of roses like that of her leader. When the lines are filled and all are ready for battle the conductor of the game-generally the hostess-says, "Ready," and each soldier throws a rose from his bouquet to the opposite side, expecting ing to be caught by au opponent. The fir ing continues uhtil the flowers are ex-
hausted, when the two sides will have exchanged colors. The soldier holding the greatest number of trophies (roses) is the acknowledged victor, and has won
the battle for her side. It is against the battle for her side. It is against the rnle of the game to pick up a rose which has fallen; "it must be caught to be thoroughly enjoyed should be played out of doors. It can be made quite interesting if the rose battle is rapidly fought. Paper roses, being niently handled than the natural ones Lilla A. Whitney.

## SOME SIMPLE PUDDINGS

Cottage Pudding.-Two eggs, one cupful of granulated sugar, one cupful of sweet milk, oue third of a cupful of butter, two teaspoonfuls of bakingin a quick oven, and serve with a liquid in a qu

Frutp-puffs.-Fill buttered earthen cups one third full with canned cherries or other stewed fruit. Make a batter of one pint of flour, two teaspoonfuls of baking-powder, one half teaspoonful
of salt, and enough sweet mill to moistof salt, and enough sweet milk to moist en. Put two tablespoonfuls of batter in each cup and steam until done. A
delicious sauce to serve with this is delicious sauce to serve with this is
made by adding one half cupful of made by adding one half cupful of egg and one half tablespoouful of cornstarch to one cupful of the fruit-juice and one half cupful of water. Let it boil five minutes.
Poor Man's Pudding.-One and one half pints of sweet milk, three tablespoonfuls of rice, five tablespoonfuls of sugar, a pinch of salt and one half teaspoonful of lemon extract. Bake slowly for two hours.
Liquid Pudding Sauce.-Dissolve one tablespoonful of corn-starch in a little cold water, cook with one pint of boiling water, add butter the size of an egg one half leaspoonful of lemon extract and two tablespoonfuls of vinegar, or lemon, or with three tablespoonfuls of fruit-juice.
Hard Sauce.-Stir one half cupful of butter and one cupful of powdered sugar to a cream, and flavor to taste.

Hope Daring.

## BAKED PEARS

No, 1.-Take large sound pears, wash them without breaking the skin, and remove the blossom-end, but leave on just enough water to keep them.from burning. Cover closely, and bake forty minutes. When done arrange on a platter with stems up.
No. 2.-Pare and halve as many pears as will fill a two-quart baking-dish; cook in boiling water until tender, then remove from the stove. Make a smal quantity of tart apple-sance, sweeten, and when cold place a tablespoonful
into each half pear. Arrange them on into each half pear. Arrange them on
a platter, and dust with powdered sugar and a small sprinkle of cinnamon.
 Wish to serve, leaving on the stem then place the pears in the of sugar, cook until fairly tender, but not soft nough to break; remove the pears to a dish to cool, and boil down the syrup with a lemon sliced thin in it, to flavor t. Cook five minutes. Arrange the pears in a dish, with the sliced lemon around the edge, and pour the syrup ver. If allowed to cool a little it can be served in a glass dish. B. K.

## TIMELY SUGGESTIONS

This hot weather reminds me that should tell others how we manage o keep our vitality during the heat lecognining that fresh air is one of ou cure as much of it as possible. It cure as much of it as possible. It
surely pleases the Creator to have us surely pleases the Creator to have us
enjoy the blessings he gives us. For everal summers we have slept out of doors until driven in by the cold in the fall. Sometimes we use a tent lined with black calico, to protect our eyes from the glare that belongs to a white tent. Just now we are using the north porch. It faces a busy street, so we have a few curtains, but not enough to shut us in, by any means. Then we have cots to sleep on, and one or two comforts to cover us, for it gets rather cool at night in Kansas. Thoreau used o dislike to pass houses-they were reservoirs of bad air. So many are afraid to sleep out. Really there is almost no danger. We have never been molested. The great blessings are the ommon ones-home, friends, fresh air vater, etc. Let us enjoy them while ve can
I am planning my Christmas presents A large part of them are to be sofa-pil lows, thus relieving me of much mental effort and giving something practical. Fish-net works np prettily in sofapillows, and makes nice double ruffles or the light-colored ones.
Why do we hear so little about the second coming of Christ? Surely the wars and rumors of wars are thick, and all point to the approach of the final conflict. The most significant of all things is that of the Zionistic movement and the prominence the Jews are gaining. Several of the prominent magazines had leading articles on the Jew and the Zionistic movement during the past year, showing the place they occupy in affairs of interest Also Russia has carefully made her plans, and is now carrying them out. Her grip is
strong upon Persia and China. She is power to most carefully watch. Meantime He may come at any minnte. Let us be wise virgins, and not let ou

## CHILDRENS DIET

Do not force children to eat what they very distinctly dislike. It makes their childhood miserable, while nothing good is gained, as nature is a pretty
good guide as to what the body needs. good guide as to what the body needs. The variety in foods is now so great that all tastes can be wholesomely and easily suited. As soon as children have reeth give them bread-crusts to chew, as teeth need exercise as well as other bones. Soft foods, as breakfast mushes, are often made umecessarily "mushy" by the addition of too much milk. They should be eaten without the addition of sugar or cream, but the millk should be whole and fresh
Norwegians rear, splendidly healthy children with fine teeth largely on what to the English ear sounds like cavringer. "Cavringer" (g hard) is not the

# And the Farm and Fireside the Remainder of the Year, for <br> (When this offer is accepted no cash commission will be allowed and the name 

STYLE These pictures are reproduced in the very Latest Style. In an artistic way every line and shadow of the originals is preserved in the pictures here presented.
SIZE These pictures, including the margins, are 20 by 25 inches in size, five hundred square inches, or about Four Trimes the size of this printed page. Without the margins they are about 16 by 20 inches, varying according to the subject.

The paper on which the pictures are produced is the very finest picture-paper, good and heavy, and suitable for framing.

The illustrations on this page can convey no adequate idea of the size, beauty and elegance of the pictures.

## POINTS TO BEAR IN MIND

in connection with all ithe rich and beautiful pictures we offer
I. They are the most faithful reproductions ever offered.
2. They satisfy the most critical lovers of pictures.
3. They are the masterpieces of master artists.
4. They are unexcelled for beauty and clearness.
5. They cultivate high ideals.
6. They preserve the artistic quality of the originals.
7. They are of sufficient size to bring out all the delicate effects of the originals, and are well suited for framing.
8. They preserve the life and effect of the originals much better than any other reproductions ever offered at such a low price.
9. They assist in creating an atmosphere that is most favorable to growth in pure and noble character. 10. They are the greatest achievement in artistic reproductions, combining at once high quality and low price.

## 35 CENTS

The clubbing rate of the Farm and Fireside without a premium is Thirty-Five cents, but as a Special Method of introducing these pictures we will give any ONE of them Free to every one who sends Thirty-Five cents for one year's subscription to the Farm and Fireside, provided the


# THE WAR IN CHINA 

AGAIN EMPHASIZES THE NECESSITY OF HAVING AN UP=TO=DATE ATLAS OF THE WORLD

The New People's Atlas of the World has a large, up-to-date map of China, showing the treaty ports, the locations of the present difficulties, the railroad lines and the bases from which Japan, Russia, the United
 States and other powers are operating. This Atlas is a necessity to every reader who would understand the reports from China appearing in the daily and weekly press. The New People's Atlas also contains

## NEW FULL=PAGE MAP OF SOUTH AFRICA

Showing all the war and railroad points. This new map throws a flood of light on the daily dispatches, making every movement of the contending forces entirely clear. It accurately locates Ladysmith, Kimberley, Mafeking, Bloemfontein and Pretoria, also Durban. Lorenzo Marquez on Delagoa Bay, and all the other ports and places constantly mentioned in connection with the Transvaal war.

## DOUBLE $=$ PAGE MAP OF THE PHILIPPINES

Size 19x123 inches. Showing the entire theater of military operations and garrisoned points. Exhibits the exact boundaries of the Philippines as defined in the Treaty of Peace with Spain.

## The New People's Atlas Contains 250 Maps and Illusirations

 It contains 143 pages (each page is 11 inches wide and 14 inches long), and shaIT IS UP TO DATE; IT IS COMPLETE; IT IS EDUCATIONAL; IT IS CHEAP.

THERE ARE ALSO DOUBLE=PAGE MAPS OF CUBA AND ALASKA
All countries on the face of the earth are shown. Rivers and lakes are accurately located. All the large cities of the world, the important towns and most of the villages of the United States are given on the maps. It gives a classified list

FREE We will Send the New People's Atlas FREE for a Club
We Will Send the New People's Atlas, and the Farm and Fireside One Year, for the Special Price of

40 Cents 40 Cent Patterns for 10 Cents

We Will Send Any TW0 Patterns, and This Paper One Year, for 40 CENTS (When this offter is accepted the club-raiser may have either the regular cash commission
or the name may be counted in ar club)
These patterns retail in fashion bazaars and order to increase the demand for our paper among
strangers, and to make it more valuable than strangers, and to make it more valuable than
ever to our old friends, we offer them to the lady readers of our
10 Cents Each. 10 Cents Each.
Full descriptions and directions-as the number of yards of material requiriod, the number and
names of the different pieces in the pattern, how names of the different pieces in the pattern, how
to cut and fit and put the garment togethel-are sent with each pattern, $u$ ith a picture of the garment to go by. These patterns are complete in

FREE

 Address FARM AND FIRESIDE, Springfield, Ohio


Sizes, 12,14 and 16 cents. 16 ears.
 a Seven.year comparison of varieties OF WHEAT

## A

namer
 The following sorts have exceeded Mealy br an average of more than four hy nearly four bushels: Nigger, Early
lipe, Currells Prolific, Gypsy and Egyptian by two or three bushels: Medby one to two bushels, and Bearded Monarch, Valler, Deitz, Lebanon and Of the sorts which have fallen below Yelvet Chaff in arerage rield are Jones
Winter Fife, which has areraged more ver Chaff, between two and three bushels less; Royal Australian (or Clawson),
Early Red Clawson, Yellow Gypsy, Missouri Blue Stem, New Longberry, Lehigh and Martin's Amber, between ter, Hindostan and Early White Leader a bushel below that of Yelvet Chaff. rather thin, somewhat sandy clay. On
gravelly loams the Valley has made a relatively larger yield than that quoted

No rariety has proved exempt from attack by the Hessian fly, but Mealy seem to suffer less from the fall attack of this insect than most other sorts.
The Ohio station has never succeeder in growing spring wheat.--Bulletin of HORSE TALK speaking to him horse without less wear and tear with his head free. and when training, but when the colt used tor regular driving take it off. enough to hold their heads up nat lincourage your horses to lie down by
making their stalls comfortable The making their stalls comfortable. The When driving these hot days give a possible.
If heated do not let him fill up, but
$\qquad$ fuls every hour or so. It will help them
$\qquad$
$\qquad$
$\qquad$
$\qquad$ quickly and thoroughly.-Tim, in Farm

BUCKEYE FERTILIZER HOE DRILL


#### Abstract

THE HESSIAN FLY To this insect, either directly or in- directly, is doubtless due the almost total failure of the wheat crop in lntotal failure of the wheat crop in In- diana the present year. The freezing and thawing weather during the win of the time. doubtless had much to do with it; but the wheat-plants had lost much of their vitality during the fall owing to the ravages of the fly, and were thus rendered much more suscep tible to the influence of the winter. $\qquad$ in this country for more than a hun- dred years, its habits are not well understood by the majority of farmers. The aduit fly somewnhat resembles eighth of an inchit in length: the female is more robust than the male, especially when full of eggs. Soon after the adult fly comes forth the female deposits her eggs upon the upper side of the leaf. The egge soon hatch and the soung larvae work their way down beneath the sheath to near its base, which during autumn is jus sorbing the juices of the stem until full grown, when they assume the "flax- seed" state, in which they pass the winter. During April and Nlay the main forth and the same process is repeated, before harvest. state heing reached just question at issme is how to most e


 fectually prevent its ravages. There are various means suggestec, all of of which will prore entirely successful manner. There must be unity of effort all along the line in whatever under Probably the most effective measures he proper time; ( 2 ) sowing decoy ertilization of the land, so as to pro de the most farorable conditions fo rong and rapid growthThe active period of the fall brood
rovimately) from the las af (ap o about the last of September. grad nally getting later as they go south, so be found at work probably as late a the middle of October. It is evident then, that in order to avoid the fal
brood of the fiy the proper time to sor wheat in the northern counties is be ween September 20th and 30 th, and in
he southern counties from the first to the middle of October. The station wil in October this year, as the flies wer ative throughout September in 189?, Decoy strips should be sown in the orth the last. week in August, and in first ten lays of Septem ber, plowing these under deeply hefor This places the time for sowing some ater than has been the ustal custom ondition the chances for success will dill method of early sowing, thereby giving the fly every adrantage.roop, Horticulturist of the Indian Experiment Station.

TWO COWS-TWO METHODS The scrub and the dairy cow are prodcts of directly opposite principles ani
methods of feeding and manageinent. The aim of the whagernent. as, and is, to feed them only enoligll t ittle shelter and care as possible. These men act as if every poind of food giren seem tom starving is wasted. They
shat the really nerer ration, and no slielter hetter than the
shadow of a straw-stack or a rail fence

FIRE, WEATHER,
and Lightning Proof Metal Ceilings and Side Walls The Pemn Metal Celling and Rooing Co., Ltd.,
23d \& Hamilton Sts,, Phila,,Pa.,or 24 Harcontt St., Boston, Mass.
OPIUM
and Llouor Hablt cared in 10 to

 evenly and successfully. Send for complete drill circular FOR ONLY \$5.98.
averace target.

A THING WORTH KNOWING
need of cutting off a woman's breast r a man's cheek or nose in a vain attempt to cure cancer. No need of applying burning plasters to the flesh and torturing those already weak from suffering. Soothng, balmy, aromatic oils give safe, speedy and certain cure. The most horrible forms of cancer of the face, breast, womb, mouth, tula, catarrh; terrible skin diseases, etc are all sucedssfully treated by the appli cation of various forms of simple oils Send for a book, mailed free, giving partic ulars and prices of Oils. Address Dr. D

HENCH \& DROMGOLD'S RBAY
FORCE FEED and Fertilizer Drill

te in quan- ,
is, to feed them every pound of food
that they could be induced to eat and
make profitable use of, and to protect -Jersey Bulletin.

Fertilizer Drill, as shown in theillusperfect gra Has our Change of Speed Device and ur Double-Run Force Feed, which sows wheat, corn, oats, peas, beans, beet-seed, Also our Glass Fertilizer Feed. The employment of glass in the construction o the corroding of the mechanism and found ith the annoyance commonis a patented feature and used exclusively on the BUCKEIE. Sows all kinds of fertilizer

Address P. P. MAST \& C0., No. 17 Canal Street, Springfield, Ohio, or Philadelphia, Pa.


KIRTLAND ARMS CO.'S NEW CUN. Bored for Black or Nitro Powder. Either Full


## WANT A WATCH?

## 

 BOYLSTON \& BENT, Rochester, N. H.
## Ohoicest Fruit and Ornamental Trees.

## Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses, 44 Oreenhouses of Palms, Everblooming Roses. Ficus, Ferns, Etc. Correspondence

THE STORRS \& HARRISON CO., Painesville, $o$.

Ohio Normal University







Notice to Club-raisers
Valuable premiums are given FREE for
clubs of subscribers to the FARM AND FIRE,
Address Farm and Fireside, Springfield, Ohio.



Vol. XXIII. No. 23

## YOSEMITE SCENERY

तु
presmenting some views of Sosembite scenery of the Sosemite valley the "racific "The Yosemite has be me lowe be come somewhat trite as a theme for comment and illustration. Twenty-five
years ago hardly a volume of our journal was thoreght satisfactory untess it had a series of views in the valley and a collection of tribntes of its beauty and grandeur by the best available writers. Now, in the mush of later developments, the Yosemite is seldom noticed. It is but the natural course of events. The rosemite has become classic; there it stands, accepted without debatc, a masterpiece of the great

EASTERN
forees which have formed the eartin's
crust, a sublime example of the trancendent intelligence which call those forces into existence. It is no longer neeessary to inform people of its grandeur nor to remind them of its sirniticance as an exponent of creative power, 1101 preach its lofty mission to lift the thought of mankind to higher things. And yet the Yosemite should not be lost sight of in current print. The ris ing generation should be exhorted to isit it, and those youths whose circumtances do not permit such. journeys should be shown pictures which suggest its characteristic greatness and beauty.

Although, then, in one conse the losemite appears less frefllow in public prints, it does not ilarity betokens less of popular interest.


Yosemite Falls

The reverse is true. The valley has recently advanced notably in national prominence. It is now environed by newly made reservations. It is guarked in its water supply and in its safety from devastating forest-fires as never betore. It assumes now new impor ance to the visitor and tourist, becaus through which the formenty gateway morgh which the formery inacces sible grandeur of the higher sierra egion beyond it is now more easily approached. With the reservation of the Big Tree groves, through their purchase now ordered by Congress, the Yosemite will soon become the central gem in the string of beauties and wonders which will be reserved from further spoliation and for the enjoyment and plifting of all generations to come.

The progressive prominence of the
rosemite is also shown by the work whech is beimg continually done for its improvemeut by the statc authorities, to whom the valley was trusted years ago by the national gorermment. The fosemite commission is proceeding with improvements to render the valley more accessible to visitors and to minister to their comfort while there. The money granted by the state for this purpose is not large, and yet valuable improvements are secured each year.

Quite interesting improvements are projected for next year, including better roads, an electric-light plant, etc. With the vast water-power available, it would seem rational to have the valley transformed into a grand electric exposition by night, thus giving the falls a unique beanty of which the ancients could have never dreamed.


Cathedral Spires

FARM AND FIRESIDE

## The Crowell \& Kirkpatrick Co.


 the above Mentioned officu
should be marked EuITOE

\section*{



 <br> |  |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

The Advertisers in This Paper

 any hin reliable parties: if subuscribers find anly of then
to be other wise we slould le slad to know it. Alwass mentlon thls paper HMen nasswering anvertitsenuents,
as advertsers often have oifferent things advertised as advertisers ofte.
in several papers.

## (WhrFiti|havempit

INavarticle entitled "Canses of Auti North American Review" for August, Prof. George 「, smyt h, president of the Anglo-Chinese college, loochow, salys:
"Lp to the fall of 189 sith-thing enop to the fall of treatment of foreigners and native
Christians: indeed. there were more Christians: indeed. there were more
Christians in that province than in auy other in the Empire, except Fuh-keen. On the first of November of that year,
however, there wass a riot, in which two however, there was a riot, in which two
German-Catholic missionaries were brutally murdered, and Germany promptly seized upou the crime as a pretext for
what it lad long contemplated, the seiure of portion of Chinese territory On the fourteenth Admiral Diedrichis landed troops at Kiao Chow, and negotiations were entered upon for the
formal cession to Germany of that formal cession to Germany of that which she had already seized. On the sixth of the following March a treaty
was signed at Meking. loy which the country round abont the bay of Kiao Chow, as fir inland as the neighboring
hills, was ceded to the Gierman Empire tor ninety-nine years: the governor of
Shan-tung was dismissed, six other high officials removed, an indemnity of three thousand tacls paid, and a promise
made to build three 'expiatory' chapels. Germany obtained, in addition, a concession for two railwars in the prorince, region of territory twenty kilometer: along them. These were hard terms,
but that whieh was most bitterly resented was the seizure of territory. inous change in the attitude of the people toward foreigners, and especial
ly Gerruans. It was not safe for Germans to travel in small companies in the interior, and three who later
unwisely did so were attaeked, though they fortunately escaped with their lives. To punish the perpetrators of
what the German gorernment chose to consider another unprovolied erime the
commander of Kiao Chow inmediately
sent troops to thee scene of the attack,
and they burued down two villages, and they burued down two villages. This harsh and indiscriminate retaliation, in which the innocent sutfered as
well as the guilty, inflamed the people to madness, and mauy foreigners sutfered serious results. These were not long in coming. A bitter anti-Christian, antiforeigu spirit showed itself throughout the province, which was later inten-
sified by the lmperial Decree of March 15 th of last yearr, issued on demand of France, conferring practically olticial rank on homann (atholic bishopss and missionarijes. The position of equality to the bishops and goveruors thms given vincial treasnrers, provincial judges, talo-tais and pretects given to the varions orders of priests, together with the right of interview without the mediation of comsul or minister, gave the Roman Catholics au iufluence of which the people had good reason 10 beliere
they would not be slow to avail themsetves. In lansuits between their adberents and non-Christian people the later had, or thought they had. no
chance: and, as in other provinces, chance: and, as in other provinces,
there was gencral complaint of the coustant interference of the priests in lit igation.
"Enraged at the injustice thms perpetrated, secing in the missionaries and the Germans the causes of the countrys Inumiliation. and in the conduct of the latter especially the begimning of an
attempt by the foreigners to seize the province and finally the whole empire, the Boxers began the series of crimes which have simee made them infamous, preached a patriotic, anti-Christian, anti-foreign propaganda, and resolved to drive from the country the intruders, and all that they representer. They also made clajms to strange spixitual
powers, to influence the publie. They powers, to influence the publie. They
practised hypnotism, and the effects which they thus produced on individmals awed the multitude into a beliet in thetr possession of mysterions, su-
pernatural powers. It came in time to pernatural powers. It came in time to
be believed that they eould make those who joined them impervions to the Who joined theme impervions to the
bullets of foreigners. The 'Boxer spir it' movement, as it accordingly cane to
be called, spread like wildfire, and led to trightful excesses, the burning churches, the slaughter of native
tians, the murder of missionaries.
"Suel. in brief outline, is the history of the rise of the Boxer movement in shan-tung. But how did it eome till it covered the whole pro pread till it covered the whole pro of Chi-li, took possession of the capital itselt, and now holds within its grasp the persons of the ministers of
the great powers of the West? There s but one answer-hy the comivanc of the offieials, hy the treachery of the governor of shan-tuug, acting under the direct orders of the Dowager Empress herself. Had this wretehed and cruel old woman been so minded. and lad she so ordered, the moveruent could bare been crushed long betore it beto attempt to put it down, and degracled any othicial who was honest enough to ny otficial who was honest enough to and foreigners within his jnrisdiction and all this because she thonght she saw in the strengtly of the uprising, in its fierce fanaticism, in its murderou hostilits to foreigners, the means of accomplishing the most cherished amhition, both of herself and of the big oted crew of Manchu reactionaries who smbrounded her, the expulsion from China of all foreigners and of all the ideas-religious, social and politicalwhich foreigners

## D

iscussing the Chinese problem the Over aud over again in her history China has been dismembered; but the partition has nerer been permanent, although in more than one instance it ears Alwas in the end have the lopped-off provinces been recovered by that part of China which remained independent. and it must be remembered that the adrocates of partition confine their designs to llic eoast and the northern frontice and purpose to allow
the rast interior of the Middle King-
dom to retain independence. If the hisiory of three thousand years affords any criterion for a forecast of the futurc, the independent core would ulti-
mately recover the peeled-off sections, mately recover the peeled-off sections
unless the latter could be repeopled with foreign emigrants, which is, of course, impossible.
"The wisest, as well as the cheapest method of solving the Chinese problem would be, atter exacting ample pecumary reparation for the insults and injuries suffered, and insisting upon the condign punishment of all the guilty parties, no matter how high placed, to streugthen the progressive party in ( 'hina by helping to place the supreme power in the hands of a sovereign known to sympathize with their purposes. The Emperor Krang-su himsel and rrince Ching are proots that it is the tanchu reioning samily, ruler in the Nanchu reigning family, and, even were it otherwise, an acceptable can-
didate could probably be discovered didate could probably be discovered
among the descendants of the Mings. In the erent of Kwang-su's death the progressive Chinese themselves rould probably be ready to iudicate a candidate. The most effective way of strengthening an enlightened and progressive sovereign would be for the four European powers which have profited by the work of mutilation-we refer to (iermany, Russia, Great Britain and France-to concur in a self-denying ordinance and agree to surrender the seized territories so soon as the peeuniary indemnities due for the outrages perpetrated upon their subjects shall have been paid. 'That. however, is a connsel of perfeetion which the landgrabbing powers can scarcely be expected to adopt, althongh nothing is nutilation of China begun by (iermauy is at the bottoin of the present trouble."

GGeneral Josepin Wheeler in his recent conrocation address at the iversity of Chicago said:
'In his first message to the first Congress Washington gave expression to
this truth in these words: 'Knowledge is in every eountry the surest basis of public happiness. In a country in which the measures of government receive their inupressions so immediately from it is proportionately esseutial." In his eighth annual message Washington said: 'Promote, then, as an object of primary importance, institutions for the general diffusion of knowledge. In proportion as the structure of a government gives force to public opinion it
is esseutial that pubjic opinion shonld be cnlightened.'
"My observations among the people of the Philippines and those of China very forcibly impressed upon me the importance of all institutions of learning devoting a full measure of effiort to instilling a spirit of chiralry and patriotic devotion. It was to keep that spirit fresh and strong that Alabama enacted the lay that the national Hag should float orer erery school-house in this feeling which has reduced China to its low stand among nations, notwithstanding the high culture which has existed in that country for rery many centuries.

The enjoyment of peace is a blessed boon to humanity, but the history of the world, from its earliest period, teaches that the only security for peace is to be always prepared and ready to ple are ready to respond to a call to arms with uen and resources for any emergency is the one that shall most certainly be able to aroid the desolation and horrors of war. It is largely for this reason that we encourage a martial spirit, the greatest-in fact, the only-barrier against aggression.
"It matters little how great its wealth, its excellence in literature and science and art, a nation unprepared and indisposed to battle in its defense forfeits the respect of the world. Asstria, Rome, Greece and Carthage excelled in wealth, in science and in art, living, the martial spirit which made
these nations great began to diminish and decay, until they fiually descended from the highest to the lowest grade of nations.
"So long as the dominant spirit which chivalry, glory and patriotism, so long will that nation continue to achiere power and greatness. The spirit of true nobility taught by American mothers has made our country the pride of the he ancestors of the people now befor ne were imbued and which caused them o strike for country and for hon ity of and a quarter ago. The nece more important to-day than in possible ly history of our country

## "We are now a great world-power, and

 he destiny of the human race is in the Huence to be largely guided by the in This should be by this gorerument. ng gemeration, and the memory of the Hag of our country Hoating over the sehool-house and songs breathing patr tic devotion within its walls should be ndelibly connected with the first in pressions of the youth of our landIt is memories like these that create nd foster that spirit which has been, and ever will be, the pride, glory, public.

Politicians may declaim about the dangers which lie in the path of our epullic. Ther may tell of shoals upon hich the ship of state rill be grounder and rocks upon which it may be dashed o atoms, but so long as we have educational adrantages like those afforcled by the University of Chicago we need have no tear about the perpetuity of republicau institutions."

Is
IN an article in "Dlunsey"s" for Au eral lioy Stone says: "It presents every onceirable adrantage for American nterprise and skill, and it its attrac tions are properly developed they will
"The hard lines of life in the North, the discomforts and ailments inevitable n a cold climate, the longing for rest and ease and out-ot-door lite the year round, turn the hearts and eyes of millions southward. But heretofore they hare sought in rain the perfect spot for a tropical home. Following the belt of the tropics around the earth, there are few regions that one would eren stop to consider as a home, and those few hare generally some serious drawback. They are either too hot, too wet, too distant from civilization, or they are badly peopled, misgoverned or habitually revolutionary. But with Porto Rico properly improred merica could otter to the world an ideal semi-tropical refuge.

Possessing the natural advantages of on eren climate, never cold, and nerer hot as compared with the extremes of ummer in our latitudes, and always empered by the sea-breezes of the northeast trades, Porto Rico is easily ccessible from America, and is directly n. what will be the great lane of trave from Europe to the Pacific ocean by the anal of Panama or Nicaragua. Mid ay between North America and South Imerica, it will be a veritable cross roads in the travel of the world.
"If, with these natural advantages, and the attractions of a peacetul, so ciable and hospitable population, it is prorider with railroads, schoois and colleges, well-kept towns and all the modern ameliorations of city and coun ry life, it will hare no drawback except the hurricanes which are pictured in the geographies-and these will have little terror for Americans, who learn how mild they are compared with our own cyclones.
"The island as a whole, under the fostering care of the American gorernment, and with the stimulus of Amer can, capital, enterprise, skill and ener5. cannot fail in the near tuture to rise by leaps and bounds froin distress and despondency to the highest plane of wealth and prosperity

## nomer <br> ABOUT RURAI <br> AFFAIRS

 Frauds on the Farmer The unsuspecting ade the victim of all sorts of frauds schemes and deceptions. It seems very given them by the agricultural press so many farmers remain unsuspecting and readily step into every trap set for them by designing rascals. The treepromising and fruitful fields for the operations of the swindling fraternity. The Ohio experiment station, for inslance, has received the tollowing letter from Marion county"There is a company of men canvassing this territory tor fruit-trees. They orchard.' They claim to be working directly for and in the interest of your age with a great many farmuers."
It seems hardly credible that any farmer can be ruade to take such bait Every one ought to know by this time that experiment stations do not engage
in the nursery business, and should not. in the nursery business, and should not.
Their duty and province is to solve problems touching the scientific side of soil tillage, and to furnish such information gratnitously to the farmers of their state, as well as assist them to do
their work more expeditiously or with their work more expeditiously or with
more satisfactory results. To sell the fruit-trees or plants is not a part of their fuuctions. It still seems to be the old trouble. The experiment stations use to the farmer. They woo him as an ardent lover woos a shy maiden; but he is slow to reciprocate, and more ready in return. The average farmer should pull himself together and get in closer touch with his station, not only in Ohio,
but in other states as well. The Ohio station, of course, replies that all persons claiming to represent it in the way
indicated are swindlers, and should be arrested for obtaining money under false pretenses.

For a year or two western New York fruit-growers and nurserymen have had which sent agents all over the section selling pedigree peach-trees at a good round figure. The home nurseries were
willing to furnish "just as good" at one half or one third the prices charged by the Ohio concern. I know people who bought peach-trees from both, paying fifteen cents or more a tree for the Ohio trees, while those from nurseries in western New lork were promised
them at from five to eight cents. I hear much complaint, however, about the New York trees. The Ohio trees were
large, nice, smooth trees, apparently of one year's growth from the bud, while New York murserymen in some in-
stances furnisherl trees that showed signs of having several years' stunted growth. Evidently they were the trees left over from one season on account of under size, and had been given one or up to the size which a good tree should reach at the end of the first, season after budding. If such is the case, the good stock' deserve to be prosecuted for good stock deserve to be prosecuted for also. I have heard some of our western New York fruit-growers say that they would rather buy those straight Ohio trees for fifteen or twenty cents apiece
than those stunted two or three year old trees at five or six cents apiece, and I believe they are right. A calf or colt
that has been starved and stunted the that has been starved and stunted the
first year of its life will never again catch up or make as big an animal as one that has made good, thrifty growth during the first year. And so it is with trees. It's too bad to see our treeDon't do that, gentlemen, and then come to the meeting of the Western Rochester, Hext January and Society, at the swindles perpetrated in this state by Ohio nurserymen and fruit-tree agents!

What is Au agricultural pa What is Koli Robl? per published in cnl ured Boston tells, to me, a rather amusing story: "One J. L. Ellswortl lias proved that the koli robi, one of
the most desirous of Southern regetathe most desirous of Southern
bles, can be grown in Worcester. The sliape of the koli robi is that of In immense ostrich-egg, the small, short oot being at the smaller end. From about the sides, even to the root, small, weak stalks risc, seemingly stuck on with cement, for they come off easily, pale ony a long whte mark on the pale green skin. The koli robi is used that the koli-robi soup gets its name.' wondered for awhile what this new wonderful vegetable could bc, and in recognition of my want of knowlenge I concluded to consult Prof. Bailey's Cycloperia of American Horticulture the second volume of which ( E to M ) had just come to hand. I failed, however, to find even the name of this Southern wonder inentioned, and made up my mind to write to Prof. Bailey and call his attention to the sad omis sion. And then it struck me that the Koli robi is probably nothing more nor less than our common kohlrabi, a veg-
etable which I have grown for home etable which I have grown for home use and market for many years, and uct. Mr. John Craig, in Bailey's cyclopedia, tells of growing this vegetable in the same manner as early cabbage is grown; namely, either starting the plants uuder glass and transplanting to open ground in early spring, or sowing seed right in hills, the rows to be two and one half feet apart, and the hills two feet apart in the row, and the plants to be thinned to one plant in a hill. If we were to grow them in this way we would not find much profit in growing kohlrabi, for, of course, they must be used and bunched while only
partially grown and yet young and tender. When I read the proof-sheets con taining Mr. Craig's article I added a little paragraph of my own, and quote it from the columns of the cyclopedia, as follows: "Kohlrabi may be grown bunched, and put on the market in exactly the same manner as early tablewhere the population consists to a large extent of people of German extraction, kohlrabi for table use is in good demand, or such a demand is easily cultivated. I find it an easy crop to grow and invariably profitable simply because few gardeners make a specialty of it. As early in spring as the ground can be brouglit in best shape sow seed in rows with the drill, the rows to be about eighteen inches apart, and after ward thin the plants to stand four to six inches apart in the rows. Begin pulling and bunching when the bulbs have attained a size of from two to
three inches in diameter. Make succesthree inches in diameter. Make succes-
sional sowings, to keep up a continuous supply of the tender bulbs. They grow tough when nearing full development."

## Reforesting

In a recent paragraph
Denuded Lands publishedin the Farm neously credited to my friend Fred Grundy) I called attention to the rapid growth often made by poplar-trees, and stated that there might be a field for
some one to grow these trees for pasome one to grow these trees for pa-
per-pulp purposes. Dr. J. W. Beal, professor of botany and forestry at the Michigan Agricultural College, in a discussion of the methods of reforesting
pine-stump land, delivered the following sentiments:

The following varieties have been known to grow well in Michigan, each
in soil suited to it: Norvay pine, American elm, white ash, basswood, sugar maple, black cherry, yellow birch, red oak, and perhaps also, with good care, butternut and walnut. Many other varieties have made valuable timber, but most of them grow too slowly for profit, or grow rapidly and make timber of poor quality. In 1863 Prof. James
Satterlee, formerly of the college,
planted a considerable grove of chest-
uuts, butternuts and walnuts near uuts, butternuts and walnuts near
Greenville, Montcalm county. All of Greeuville, Montcalm county these have done well and are now
healthy. The leading native trees on such land were white oak and black oak. In some places it may be profitable to grow aspens, and in other
places poplars, with a view to using the places poplars, with a
timber for paper-pulp.
"There is no danger of planting the trees too thickly, but this work costs something. The better kinds selected for planting may be scattered about among the stumps, placing about fonl to the square rod, or six hundred and forty to the acre, and among these, and quick-growing shrubs to shade the ground and lielp keep out the grasses, herbaceous plants and weeds. For cheap nurse trees to start quickly and shade the ground there is nothing beter than box-elder. On the light sand cellent." started from T. Greiner.

## SALIENT FARM NOTES

0wn a Home Here is a letter from a er" in Ohio, in which he briefly set forth his condition and circumstances and then asks a dozen or more ques-
tions. He says, in part: "I am thirtytwo years old, and have been a hired man on farms fourteen years. The past four years I have been saving as much as possible of my wages, and now have six hundred dollars. I have no home, and when sick or out of a job I have t go to a boarding-house in town and pay three dollars and fifty cents a week for plain board. I desire to change this program if it can be done. I can buy a small house and lot in town for five nish it well enough for myself for fifty dollars more; or I can buy a two-acr lot without any buildings just outside of town-for two hundred dollars, and can build a little cabin on it and fence it for about three hundred dollars more, and I can get work among the farmers for at least eight months of the year; or I can go West, where land is cheaper, and buy, say ten to twenty acres, put up my cabin, and farm on a small scale until I can buy more land and get to be a real farmer. Which is the best plan for me to follow?

Curiously enough I have recently re ceived two other letters, one from a person in Pennsylvania and the other from one in Virginia, both situated very much as is "Reader," and both asking similar questions. Each of these persons appears to have been working, and spending his earnings as he went along for some years, and each seems to have suddenly decided that the time has come when he should own a home of his own to go to when out of a job or disabled in any way. Each appears to have some knowledge of cookery aud to believe that lue can board himself for much less than he has to pay others to board him. The Virginia man says he an get board in wint chores. The "chores" are feeding and caring for eight horses, thirty cattle fifty sheep and fifteen hogs, cutting firewood, repairing fences, etc.; and he too little for a cent, and when $I$ am not earning wages I would like to have more time I can call my own in which He, like "Reader," has several plans, and asks which is the best to follow.

While I would not undertake to decide for these men which plan would much-in fact, all-depends on the man I will say, positively and emphatically that $I$ would adopt one of them. Every f he will, own a home; and to this end I would earnestly advise every young man to bend his energies. However high and lofty his ideas and aspirations may be, the first thing he should strive for is a home of his own. When I hear that a young man has purchased a home, "be it ever so humble," my respect for him rises ninety per cent because I feel assured it will make eal man of him. In ni in a hundred the man who owns a home
is a better man, a steadier and more
conservative citizen, and more reliable in crery way than any tenant or lodger. the locality in which his property is sitwated, and naturally very much interesterl in good government, both local and national; in fact, this element
the bulwark of this great nation.

Years ago $I$ heard an old man say, "I would rather live on mush and milk in a home of my own, even if it were only
a shanty on a lot, than to live in any other person's house and pay board in money or labor. Iu his owu home a man is frec and independent, and cax come and go as lie pleases, and arrange things for his own convenience and comfort. First a little home, next a scmsible little wife, and then you are a whole man." Of the three plans prechoose the second. No man knows the possibilities of two acres of land until he has worked it several years. I have known a man to grow fifty-four bushels after the plowing, was done with a hoe and stcel rake. The quantity of food that can be grown on one acre that is worked to its tull capacity àmost surpasses belief. A man who owus two acres of good land has a good living in sight; and if it is located near a large town he has much more than a good living. It would be a grand good thing for the country if we had a million and that many less tenants.

Summer Company A ferv days ago I saw summer company three young ladies frou the city step off the train, and one er was standing on the platiorm, and grecting him with "You dear old uncle!" gave him a hearty handshake and a kiss; then furning about, introduced the others as "The two lady friends I wrote you about, you know." They, too, were delighted to meet the old geutleman, and he shook their hands as vigorously as if they were voters and he a candidate for office. look about town a little while girls plete my busiuess then I'll bring the surrey around and we'll drive out home."
few minufes later I "accidentally" met him on the street. "You have more company, I see!
"Yes," he replied, in his slow, quiet way; "one of my nieces and two of her
young friends have dropped in on us for a threas has, 'toped ployed in a large mercantile establishment in the city cation of three weeks just now, and some time ago she asked me if they could spend it in the fields with us. I informed them that they could if our regular fare was good enough for them, and they have come. Yes, I have quite in suan my hor at company takes care of their bedrooms, and wife merely cooks a little more of our regular fare, while the washing is all done by a woman in town. Our company are free to go and come as they please, and if they are not on the pantry is. There are swings and hammocks and benches under the trees, the old horse and the surrey, and we have a lawn party with ice-cream and a little cake occasionally

Winter Fuel This is the time of year I he winter. The roads aregood, and from forty to fifty bushels can be hauled by
a good team easily; the coal is dry, dealers have plenty on hand, and prices are as low as they are likely to be. When cold weather comes on prices go up, supply runs short, miners are likely to strike and cut off the supply entirely, while the roads are almost sure to be more or less heavy. I would advise every farmer who burns coal to lay in it is put iuto a dry shed it will keep six or eight months. It would seem that no farmer who lives far from town would need any advice along this line; yet I know lots of farmers who seem
never to think of fnel until snow is

C
OUR FARM FARM THEORY AND PRACTICE ST of a Bushel of Wheat.There is very little definite value
in the prblished estimates of the cost of produciug a bushel of wheat, but every farmer may get good
information from an estimate of his information from an estimate or count with the crop. Conditions production and methods of book-keep-
ing rary so much that a farmer should ing rary so much that a farmer should
depend upoul his own figures. I do not beliere in an elaborate system of bookkeeping tor the average farm. Let me suggest a way of learning the relative
cost of wheat, as compared with that of other crops, and I am sure that its adoption will, give interest and good
information to all those who have been farming without any close calculation of expense. In every neighborhood at which a man aud team are presumed to be able to work profitably for any ne needing help for a short time. Of one wanting work wonld be willing to accept if thie job were a steady one With this as a basis, fix the price at which man and horses can afford to
work steadily upon a farm, the man providing board for himself and his horses. Anything less than this wage would impoverish the man, and any thing more should go to swell the net profits of the crop against which he charges his labor
Having done this, it is easy to keep account of the time employed upon the wheat crop, the cost of seed, fertilizer, threshing. etc., putting everything upon a cash basis. To this add ten or annually for depreciation and a small interest, and the difference between this sum and the selling value of the grain and straw represents the cash

## Land Rextal.-The effort to fix

 cash rental for the land, so that it may be entered as an item of cost of crop is confusing, and results are usuallymisleading. No one can determine with nieety just what the use of the land is worth. He has his capital invested in land, the soil must be in use, and it is
simpler to let the expected profit from the farming of a field take the form of rent, the effort being to secure the most possible rental an acre without undue soil exhaustion. Putting áll labor of
man and horses into the form of cash man and horses into the form of cash
at a moderately low wage, because the at. a moderately low wage, because the work is steady and at home, and haring
account of cash, cost of seed, etc.., it is easy to ascertain the cash rental from land devoted to the various crops. Such data in themselves make no one the to one when in doubt about breaking land for any crop, and I find much satisfaction in knowing something of the probable cost of growing an acre of
wheat or corn or potatoes. One crop can otten be produced by a soil when another cannot, and some crops leave and these are factors the practical man considers, of eourse; but he should linow
definitely what outlay of money and labor is called for, on the a rerage, by
any crop. The plan I suggest has been helpful to me, and is so simple that it is the young. Know 'what a crop is doing for you. Nowr is the time to begin with the coming wheat crop.

Marketing Potators.-There is a by disposing of them as soon as'dug.
No matter how dry the No matter horv dry the ground may be at digging-time, and how clean the poafter digging. I hare tested this matthe farmer who can dratr his potatoes
the to market as fast as they are dug has the advantage orer the mau who must
pile them np for two or three weeks. Loss frem holding comes in sereral the culling cannot be quite so close
when the potatoes lose some of their freshness and plumpness, and in hot
er there is a little loss from rot handling costs from one to two cents a bushel. Everything considered, fortyhre cents a bushel for potatoes taken as good as fifty cents two wreeks later. It takes a rise in price of ten per cent to let one out whole for holding a few weeks. The next serious loss does not come until the potatoes sweat or sprout in winter storage. This is followed by One is in weight.
Onel should be dug as soon as ripe. As a rule aul early potatoes will do better nights become cool iu September, no nights become cool iu September, no
matter when they ripen. There is some matter when they ripen. There is some
danger of secould growth in a very wet season, but there is more danger of rot and shrinkage trom early digging, unless the potatoes can be marketed at once. If they are wanted for market they can be dug at any time. but cannot be placed in much bulk in car or store. It for horue use do not dig until uights become cool.

The Potato-patch.-On many tarms the potato crop is a minor one, and a little good soil is deroted to that crop year after year. Ofteh it is a small strip of land near the barn, and rotation is not practicable. In such case there is no better plan than to apply manure early iu September and plow it under three or four inches. On this
sow rye at the rate of six pecks of sow rye at the rate of six pecks of
seed to the acre. It tyill make a sod by winter, and grow in warm days of winter and early spring. When the rye is
less than a foot ligig turu it under as less than a foot high turu it under as
deeply as the ground is usually plowed deeply as the ground is usually plowred

- seren to nine inches. This will bring the manure aud its leachings near the surface, mixing them with the soil, and the rye will add to the organic material in the soil. Such treatment of the soil not only enrichés it for potatoes, but the rye counteracts the tendeucy of the manure to produce scab. Sow the rye early in the month, so that it can make penetrate the soil deeper than the plow oes. Plow so ander early or it the ground too much for the succeeding ground too much for the succeed.
David.


## REPAIRING WASHOUTS

During times of mnel rain in summer much damage is done to fields and roads by washouts. The continucd rains loosen the soil, and when the short heary showers come the rush of water tears up the loosened soil and carries it ditches to be torn in suminer-fallowed fields and in fields under cultiration. fu the same way roads, especially hill sides, are badly torn np, causing danger o trarel and much expense tor repair. There is a simple and effective way both to prevent this damage from going beyond control and to repair it, no matter how large the gutters are. Take fine hay, weeds, straw, or even briers fuls in a place in the bottoun of the washout. Put stones on this, to keep it in place. Twenty or thirts feet farther cown-streaur put in another check like this, and so ou throughout the wash-
out. Of course, if the gully is larger, and muclu water comes down it, more hay and heavier stones must be used The idea is that these checks slacken the speed, and hence the tearing power
of the streaun, and also lold all sed iment. Dams put in a deep washout thirty rods long in a wheat-field in the fall, at intervals of thirty feet or caused the filling up of the ditch by spring. Deep and dangerous washouts on hillsides on the public hightay can either be prevented or remedied lyy in and looked after from time to time. The usual way of dealing with these hillside washouts is to let them go uutil the liill becomes inpassable, then mak a job of grading. etc.. at an, expense o Here a stitch in time would save ninety: The washouts in dams of ponds can be repaired in much the same way.
Sprinkle a thin layer of fine hay. wet Sprinkle a thin layer of fine hay, wet
it, punch it into the bottom and sides of the washout, put on a thin layer of hay with a spade, and so on nntil high
done right. will stand more wear from rushing water than the solid bank beside it. The water trashes ont some
of the dirt on the outside of the dam, but the hay orerlaps the dirt and forms a complete protection

Arton Leister.

## BALANCED FOOD FOR THE SOIL

The true objective point to be arrired e, the practical tarmer is, or should be, that of keeping np a balanced ferany single carrier of fertility when used where other essential manurial constit uents have not been previously applied will prove to be profitable. No doubt much damage is resulting from the too free use of acid phosphate when not used in connection with those which go to make up a better balauced fer zers should profit commercial fertili not the usual way judiciously. This is not the usual way, uor is it the paying one. Too frequently the soil is sup plied with one or more constituents of which there is already an abundance. The best plan is to ascertain by exper-
iment what the soil needs, and thus iment what the s
sare nseless waste.

By actual test on one's farm it can be easily ascertained whether a complete manure (so called) containing all three of the principal plant-foods is actually needed, or whether phosphoric acid alone would not prove to be the ouly fertilizing constituent that it is necessary to use. There is much direct testimony that the nse of plain phosphates is giving better results than the uixed goods advertised as complete manures. When it is considered that mixed fertilizers cost trice as much asid only the containing phosphoric theless the "agents of potash salts and nitrate of soda" are quite sure that their respective fertilizers supply exactly the material most needed by the soil. Nitrogen and potash are certainly needed, but the question to be considered is that of buying only that which is imperative in keeping up a balanced tertility:

The fact is not so generally recognized as it should be. that one of the real functions of the clover crop is that of economically raising the standard of fertility and preparing the soil for the Before clover can fully exercise its function as a nitrogen-gatherer and soil-renewer the soil must be supplied with an abundance of phosphate. The depletion of phosphoric acid, even on dairy and stock farms, must be guarded
agaiust. Even where humus is abundant in soils increased feeding power can best be secured by the free use of the cheapest and most available form of phosphoric acid. In Prot. Roberts' excellent practical work on the "Fertility of the Laud" it is stated that "a soil capable of producing 30 bushels of wheat an acre remores from the soil 14.4 pounds of phosphoric acid. The same soil in producing 3 tons of clover hay in a season removes no less than 33 pounds of phosphoric aeid au acre. It the same time, of course, it enriches the soil iu nitrogen; but this power has the phosphate and potash supply of the soil, hence one reason may be fonnd for failure in growing clorer. The results as given above are trom an arer-
age of $7 \% \mathrm{~s}$ tests of wheat and of 178 age of 778 tests of wheat and of 178
tests of clover. In the dairy and stock busiuess the results of analrsis are still more interesting, showing that the exhaustive nature of soil fertility. where these lines of farming are followed. is largely gorerned by the phosplate potash and nitrogen supply is increased in the soil. of only 7.200 pounds of milk a vear remores as much phosphate (in the milk mores as much phosphate (in the milk pounds of lise weight of cattle require pounds of lise weight of cattle require
18.6 pounds of phosphoric acid; sheep, 12.3 pounds; swine, 8.8 pounds. The potash needed amounts onlr to 1.7, 1.5 and 1.5 pounds respectively." These facts demonstrate conclusirely the rel-
ative importance of plosphates for the economical production of beef, milk or quatton.
In corroboration of the preceding statements the chemical analyst of
the Royal Dublin Society, in recom-
phosphate, as an economical source of phosphoric acid, and especially as
storative of pasture-land, sars:
supplies two of the fertilizing agent phosphoric usually requires-lime and proportion in which the slag is generally used-abont five hundred pounds a cre-the quantity of lime added is ver small, yet experiment has shown that he lime has an appreciable efiect, while able conditions, a marked influenc especially in promoting the growth of lover. This effect, as is now well portant beneficial result. The elore through the infuence of its root nodhe atmon ra a fertina omes, through the medium of leguminous plants, an agent for enriching the soil in nitrogen
The adrantages of a non-acid phosappar for general use is becoming more fertilizer of this class, and requires no sulphuric acid to render it soluble and vailable as plant-food. Another ad antare is th contains costs only about one half what it does in ordinary superphosphate. It comes gradually and regularly into action-more or less so (owing to the
amount of rainfall)-and where fire hundred or six hundred pounds are used o the acre it is not only capable of supplying the proper amount for the winter-wheat crop, but retains in the soil a sufficient supply for eren a second or third crop of clover, grass or corn. not appear or Thomas phosp known by wheat, clover, corn and grass growers in the United States as its merits seem o cleserve. In Europe its ralue is rec gnized, for it has received the unualified indorsement of the leading gricultural journals of Great Britain and Germany, where it is known to be fact that where the land has been ested.with basic slag the herbage ha been greatly improved; in fact, so much so that animals are instinctirely at tracted to it, seemiug to hare a natural
W. M. K.

## SKIMMED MILK

A food that is too little appreciated upon the farm, the writer belieres, is skimmed milk. Of course, it is not vasted, but it does not come to the able as much as it should. Five pound of skimmed milk (two and one hal quarts) have nearly the same foor alue as a pound of round steak, and our pounds have a greater nutritive value than a quart of oysters. But it is objected that skimmed milk does not stick to the ribs. This is vecanse arge quantity must be drank to obtain esired nourishment, and also becaus kimmed milk is so easily assimilate that the
Skimmed milk may be used, howerer to adrantage in cookery as a substitute for whole milk, as well as in the place r. Recent ex hown that bread mised with slimme milk made loares of rery nuitorm texture and of equal digestibility, though slightly less light and flaky than bread mixed with water. They also showed that skimmed-milk bread contained about ten per cent more flesh-tornuing substance (protein) than bread mixed with water. A pound of bread mixed with skimmed milk would therefore furnish more nutriment than a pound of the water-mixed bread.
But skimmed milk mas be used in other ways than in bread-making. It nal take the place of whole stews, riee puddings, custards, pumplin pie and squash pie, and in most cakes. When a student in the Michigan Agricultural College the writer was one ot tour oung men who leept house It wa found by experiment that the skimmed r, more literally, the separated, mill btained from the college dairy made as good biscuit, griddle-cakes and Indian pudding (three of our stand bys) as whole milk. After this disseparated milk used in all our cookery demanding either whole millk or only water.
M. G. Kains.

GNOTES FROM:

Planting Strawberries in THi
autumin.-I have just received the few plants of those everbearing and fall-bearing new strawberries the purpose of trial. They are especially three varietics-the St. Joseph, said
to produce three crops a year, and the Saint Antoine de I'adoue, another Frenclı sort, said to be a large-fruited "pcrpetual" cariety, "esides the Amer-
ican variety named "Repeater," which is said to give a second crop in Septem-
ber. All these, 1 belicve, are perfectflowering sorts. If the claims of their introducers are well founded 1 onght to be able to get a fair erop of fruit
next fall from the plants set at this time, and perlaps from some of the rumners they are liable to make yet this
season or early next spring. The plants received (by inail) are ordinary runner plants. I do not think it is neccssary
to buy pot-grown plants. I can make a pot-grown plant of any rumner plant afford to take a little pains with these few lighl-priced plants. In short, I have set the plants iu medium-sized flowerpots (plant-boxes would do as well, posthem into the soil of a well-shaded greenhouse. Of course, a common coldframe would answer as well, or any
partially protected spot outdoors partially protected spot ourdoors
where the plants find a little shade and can be given careful attention in regard
to watering. When thus haudled the to watering. When thus haudled the
plants will soon fill the pots with roots, and they are then, to all purposes and intents, regulation "potted plants."
Any time thereafter they may be set Any time thereafter they may be set in the regular bed where they are
desired to remain for fruiting. I cannot say that I am oversanguine of ever berries in the fall.

Making Cuctaibers Fruit.-Mrs. L. M. F., of Vermont, complains that her
cucumber-vines produce at first a large number of false-that is, male-blossoms, and asks me if there is any way
to make them produce fruit-blossoms earlier, and thus get an earlier and larger crop. We might do a great deal of theorizing on this question. It is
well known that anything that threatens the life of a plant, such as an injury or want of food or excessively dry weather, is apt to induce the plant to
produce fruit. Sometimes we will find a dying apple-tree full of fruit-buds and setting fruit heavily when healthy and thrifty trees around it produce no bloom or fruit. For that reason it has glass, in pots, boxes or invierted sods, in the expectation that the check which they surely will receive in the transfer to open ground will set them to early
fruiting. This is probably the most feasible method of producing early fruit. It has also been suggested to
plant old seed-that is, seed which has lost some of its original vigor-thusproducing a weaker plant, which winl set fruit earlier than a rery thrifty one. I will say, however, that it is natural for these running vines to produce at first then the true fruit-blossoms afterward. Nature is bound to give plenty of opportunities for pollination, and promale principle in greatest protusion. The most we can do in order to hurry plant them early, or perhaps start them under glass, and to have the soil for them well supplied with plant-foods in
well-balanced proportions. In case there should be an excess of nitrogenous matter in the soil the plants
would be liable to make a very succulent growth, lots of vine, possibly with an abundance of "false" blossoms and few fruit-blossoms. These plants ueed pot-
ash and phosphoric acid as well as niash and phosphoric acid as well as ni-
trogen, and sometimes the application of wood ashes to otherwise wellmanured soil will hare a tendency to start the fruiting more promptly when
the vine growth would otherwise have been excessive. I am a great believer in the free use of good stable manure for all these garden crops.

Rust on Asparagus.- 1 . L.., a reader in Sauk City, Wisconsin, writes that his
asparagus has for some weeks been affected with a reddish-brown rust, and the stalks are now appearing to be in a dying condition. He asks whether it is advisable to cat and burn the stalks, or whether in that case there would
not be a new growth, which might not be a new growth, which might weaken next year's production. I be-
lieve that if the stalks are gone that far already the best thing to do is to cut and burn them. I doubt that there will be many new slalks this year, being so sion to feed the roots-that is, to help them digest their food, and store it up in the roots as reserve energy for next year's cropping. No doubt the rust night have been prevented if measures were taken in time, while the stalk were yet healthy and only giving in-
dications of the coming trouble. If sprayed promptly, and perhaps repeatedly, with Bordeaux mixture the diseas would not have made much headway.

Yield of Tomators.-A reader in Ohio would like to be told how many ipe tomatoes lie could grow on an acre of ground, and which kind is the most desirable or most productive. He in ends to grow the crop quite extensive y for a canning-establishment situated about a mile from him, and he expects to get fifteen cents a bushel. I do not feel competent to answer these questions in a definite way. Who would be rash enough to say how many bushels of tomatoes you or I or anybody else might grow on an acre of ground? Who can tell how many bushels of oats or potatoes or onions or any other crop potatoes or onions or any other crop
I might be able to grow? It depends on the land, on the management, on the season. In a favorable season and under favorable circumstances the yield night come up to over a thousand bushels an acre; but I would hardly expect more than half that number. A fairly good yield on the average soils of New Jersey, where tomatoes are largely grown for the canneries, is about eight to ten tons, or from three hundred to four hundred bushels, and there are a good many fields where the crop does not come near that figure. Some years ago I think the canneries used to pay pas been reduced to about sir dollars has been reduced to about six dollars, lars. The rate of six dollars corresponds quite closely to fifteen cents a bushel quite closely to fifteen cents a bushel, I think. Whether this pays the grower
or not is a question which he must or not is a question which he must
decide for himself. Some people can decide for himself. Some people can grow oats at twenty-five cents a bushel, ose in the transaction. So it is with all other crops. If you know how to produce large crops at a comparatively small cost you can make almost any crop pay, even if the price obtained for the questiery large. When it comes only one who can ansiver it for you is the canning-house. They usually require the grower to grow a certain variety, and in most cases they furnish variety, and in most cases they furnish
the seed. I know of one canning-establishment (near Rochester, New York) lishment (near Rochester, New York)
whicli accepts nothing but the old Acme. This suits their purposes best as I understand it, on account of color But almost every such establishment has a certain kind which it prefers to all others. For general purposes of
canning and catchup-making there are canning and catchup-making there are a large number of suitable varieties,
like Perfection, Matchless, Imperial, Stone, Mikado, et

Onions in the South.-I wonder if any of our friends have ever tried the plan of growing onion seedlings in the fall, say August or September', and set ing them out in the field in October or November. A South Carolina reader asks me what I think of this plan. I cannot advise him in regard to this, imply because I do not know the climatic conditions sufficiently. Here, if could succeed in wintering the plants in the field all right, I believe the larger share of them would go to seed in the spring. And that may also be the case in North Carolina. I would like to hear from Southern readers who have' some experience in planting onions in the fall. The seedlings might be grown in the fall in cold-frames, then held over
until spring and planted. I find that When I sow seed under glass as early as January 1st, and set the plants as early as the ground is in fit condition, some plants goo to seed. Some of ny best onions this year are grown from trans-
planted secdlings started from seed in planted secdlings started from seed in
March. So you see that you must stay within a certain limit. If our seedlings are too old they will as certainly go
to seed, and therefore fail to make good bulbs, as sets will do that were allowed to grow too large the first season. 'To make sure of good onions we must
plant small sets, or seedlings, while yet in strong-growing condition.
T. Greiner.


## INQUIRIES ANSWERED

San Jose Seale.-J. G., St. Mary's, Ohlo. The San Jose seale is very minute and ronnd, If yon will send on suspected specimens I shall be pleased to identify them for yon.
Papaws Dropping.-L.
Papaws Dropping.-L. A. M., Alvira,
III., bas a ten-year-old papaw-tree that blooms every year and sets fruit, hat when ahout five eighths of an inch long it all drops offf.
Tbe tree stands alone in the yard and is Tbe tree stands alone in the yard and healthy, but there is un other papaw-
within a inile of it. "Why does it fail witbin a mile of it. "Why doess it fall
grow fruit?" I am not familiar with grow fruit?" I am not faminar supposed
frnit under cultivation, and had sumen to he self-pollenizing, as the flower has numerous stameus, although the pistils are few.
There are some varieties of frnits that do not get pollenized from thelr own hlossoms that would frult well if standing near a seedling tree of the same varicty, and that may be the case with the tree iu question. being fertilized the fruit would fall ofil soon where trees are growing in an uncongenial soil and are starved, or where growing too
close to other trees that at times rob their roots of moisture.
Planting Cuttings and Shoors of Gooseberry, Blackiberry and Rasp-
berry.-F. M., Aztec, N. Mex., inquires ahout the best time to plant cuttings of goosebe ries, hlackherries and raspberries. The climate is dry and it is necessary to practise lrrigation. It is a good fruit region, but they
being located forty miles from market small fruits are neglected. They desire to grow them for home use, but have but one year, and can get but little information as regards their culture. Gooseberries are
easily raised from cuttiugs, wbich grow more easily if put in in the fall after the leaves have fallen aud the yonng wood is fully matured. The month of September would be about the right time for making and planting them. The cuttings should be about eight
Inches long, with the lower end cut just be Inches long, with the lower end cut just be-
low a bud and inserted in the soil five or six ow a bud and inserted in the soil five or six
incbes. The cuttings should be covered dur ing the first winter with straw or similar ing the first winter with straw or simila freezing and thawing during the winter. The two-year-old plants are sold chieffy, and much time will be saved by using them instead of cuttings. Blackberrles and red are best to be
planted out in early October or any time afte growth has ceased and there is no danger o their starting a new growth before winter sets in. They, too, will he better if given
a light covering of straw through the first a light covering of straw through the first winter. Blackeap raspberries are more cer-
tain to grow if planted in early spring.
Where wellretel Where well-rooted plants are nsed any of
these varieties may he planted successfully. Red, or Orange, Rust of the Apple. On June 20th I received from W. L. G., Saulshury, Tenn., samples of leaves from. some 20th other samples from the same trees, with the statement that this is the first year that they have been affected in this way, aud that affected. There is very little fruit on the trees this year, although they have previousl,
borne nicely for sucb young trees. Several years before he had an older orchard affected in the same manner, and finally lost the trec
The samples were referred to Prof. B. The samples were referred to Prof. B. .
Duggar, botanlst of the Cornell experiment station, and he pronounces the disease the is caused by a fungus belonging to the genus is caused by a fungus belonging to te onus
Roestelia. The disease is one stage in the Rostelia. The disease is one stage in the
life-history of the cedar-apple. The fungus is a microscopic plant which grows upon the apple, causing rnst, and the spores, or
germs, of this rust go to the cedar, thus prodncing "cedar" apples. Again, or in turn,
the spores from the "cedar" apple are capable of producing rust on the apple when the season and other conditions are favorable. He sass that no definite remedy can be suggested, as none has yet been found. It is a precau-
tion, of course, to have no cedars near the
orchard; hut cedars at a considerable distance
jection to the orcbard. It does not whater
on tbe apple, aud it is said that if the are no cedars srowing in tbe vicinity it will soon disappear. It is often destrnctive to the foliage and fruit of the apple, and antimately canses the deatb of tbe trees. Mr. G. has
cedar-trees uear his orchard, and I alvise cedar-trees uear his orchard, and I advise
their removal as the most probahle remedy. The Greedy Scale.-H. E. W., Avou, II.,
has sent me some limbs from apple-trees that were set in 1898 ou ground that was first
cleser cleared from forest. They are iufested with
a seale-insect. She writes that several of the trees set at tbe same time are infested with
the same insect from the ground to the tips of the brancbes. Sbe has washed sone trees
witb kerosene emullsionh wash it witb kerosene emulsion, and it appears to
hiave taken them off, hint sbe desires to know if that is tbe best treatinent, and the name or they reached me, and the samples were not in
a condition to be easily deeutified: After giving the specimens a careful examination
believe them to be infested witb the greed. scale (Aspidiotus rapax), first described by of the United States Department of Agricin-
ture for 1880. The samples were also shown ture for 1880. The samples were also shown
to Prof. Otto Lnyger, state entomologist of to Prof. Otto Lnyger, state entomologist of
Minuesota, who coincides in my has been named the greedy scale on accoun
of the great number of plauts uipon which of the great number of plauts upon which ing upon the apple, pear, quince, olive and sbade and orvameutal trees and shrub in California. Wherever it occurs in great
numbers it is very destructive. It feeds upon numbers it is very destract limbs of trees, a
the bark of the trunk and well as upon the leaves and frnit of some trees. It has been noted as found iu various parts of California and in Florida, Texas and
New Mexico. In Frauce it is found New Mexico. In Frauce it is found on the camellias and some otber plants in greenhouses in great abundance. Its life is impel-
fectly known to Northern entomologists fectly known to Northern entomologists. served as far nortry as in this case. There the number of annual generations, and the fact that the insect passes the winter in the eral different stages may complicate the qnes tion of remedies. Tbe remedy tried is a good
one, but I think tbat a summer wash or spraying with a solution made by diluting gallons of whater aud one sprasing or wash ing in the latter part of winter should be Every insect touched by this wash will be destroyed. If I am correct In my identifica tion we are liable to have it generally dis unless closely watcbed for and if it endure unless closely
our climate it will prove a serious pest.
Planting Blackberries, Raspberrie writes to Fariv AND Frreside that he desires to get some information abont planting and and gooscberries, and the best varieties for his locality, etc. The ground he proposes to use is low, is tile-drained and has a black, sandy surface soil eighteen inches in depth, nured and grew a is plauted to spring wbeat this year. He proposes to put on a good coat or manuse the fall or winter and plow it under next spring,
unless it would be better to manure and plow unless it
this fall."
Reply:-I should judge the site to be good one for raspberries and black berries, but liability to mildew on such soll and location. It will be better to plow the ground deep rathe late this fall, and work the surface up fine in the spring before plainting with a spriug-tooth
harrow, espectally so if manure is to be wlll be secred. Set the plants as early is the spring as tbe soil is in good condition for working. For convenience of cultivating
the rows should run the longest way of the plot of ground, and preferably way of the soutb, so that the suushine can reach hoth sides of the rows during each day. I have al-
ways had the best returns from planting the rows of blackherries eight feet apart, and plauts in the rows threc to four feet and ing the same distance apayt in rows, and feet in the row, but may be planted four
feet apart each way, and after the first crop is taken off take out every alternate row.
I practise this latter nuetbod, and fuud tbe first crop on the rows afterward taken out
pays better than any other crop that conld be grown between the rows the first year
after planting. If the rows are eight feet apart a crop of potatoes or beans mary he
raised betwceu the rows the first year without Iujury to the herry-plants. Red raspher-
ries should be planted in rows ahout six feet apart, and tbree feet apart in the row. Goose and four feet in six feet apart in the rows, of blackberry for Wisconsin is the Ancient
Briton. The best blacksap raspberries are Paltuers, Older and Nemaha. The best red
raspberries are Loudon and Cuthhert. The most reliable gooseberries are Hougbton, nad Cnthbert reaspberries will blackberries
laid down and covered with earth every fall,
to afford winter

YOUR dealer in lamphe get for you?

You can't be an expert in chimneys; but this you can do. Insist on Macbeth' "pearl top" or "pearl glass" whichever shape you require. They are right in all those ways; and they do not break from heat, not one in a hundred. Be willing to pay à nickel more for them.

HENCH \& DROMGOLD'S RRATI
FORCE FEED and Fertilizer Drill




Rrifselman Ornamental Fence.
Saw Mills




WHERE GOES YOUR HOMEY


hut it is rare indeed that the petted
elhild repays his indulgent parents for
their kindnes. The boy who is given
every opportunity without being fored
to work for it gets the notion in his head that his parents owe it all to him,
and he will expect their helping hand
to always help himm orer the obstaeles
in his way. The clild has rights which


$$
\begin{aligned}
& \text { the proposed lawn. At that time five } \\
& \text { lines of three-inch tile were laid length- } \\
& \text { wise of the lot. The rows, or lines, of } \\
& \text { tile were eight feet apart, and they }
\end{aligned}
$$

$$
\begin{aligned}
& \text { rese put fielve inches deep, the thes } \\
& \text { resting upon the hard subsoil. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { Cure was taken to have the bottom of } \\
& \text { the ditches level, or at least the slope }
\end{aligned}
$$

$$
\begin{aligned}
& \text { was slight and all in one direction. } \\
& \text { The tiles were simply placed end } t
\end{aligned}
$$

$$
\begin{aligned}
& \text { end, and as the ditches were made nar- } \\
& \text { row at the bottom there was little dan- } \\
& \text { ger of the tile being displaced wheu }
\end{aligned}
$$

$$
\begin{aligned}
& \text { they were covered, At the center of } \\
& \text { each line of tile a tile shortened slight } \\
& \text { ly was olaced uorioht, for the purpose }
\end{aligned}
$$

$$
\begin{aligned}
& \text { ly was placed upright, for the purpose } \\
& \text { of admitting water. in upright tile }
\end{aligned}
$$

$$
\begin{aligned}
& \text { was also-placed at either end of eaeh } \\
& \text { line. These umriont tiles came iust a }
\end{aligned}
$$

$$
\begin{aligned}
& \text { line. These upright tiles came just a } \\
& \text { little below the surface of the ground, }
\end{aligned}
$$

SUPERIOR


## 


THE SUPERIOR DRILL CO.
$\$ 250.00$ A MONTH AND EXPENSES MADE. $1{ }^{\text {Magic }}$ f5 Lamp
MAKES ITS OWN GAS. Gires 80 to to 100 cancost of only
1 CENT 10 HOURS.
The following points appear to be
The following points appear to be
fully established: First, watering a lawn by subirrigation is more economical thau by the ordinary method. It the work is more efficiently done; there is rery little danger of excessive watering, and we aroid the growth of shal-
low-rooted weeds that are so often stimulated by frequent and slight sprinkling of the surface. Third, the and compact as it does by continned
surfaee watering, but retains more of its original friable condition. Fourth, in rainy or wet weather the tiles rapid-
ly remove the surplus moisture from ly remore the surpins moisture from
the surface by the ordinary process of

RECLAMATION OF ALKALI LANDS
confidence, without which there can be
no success. has the ambition to put himself through
college. It is the noblest of discipline parents are able, they can furnish the way for the boy to put himsclt through, dollar loaned shall come back. It will
be a somee of pride to him in later life that he can stand with that throng
of men among whom are some of our
lurightest and noblest citizens-the selt made men from the farm.
Give the boy sound morals, a good
eommon-sehool or high-school education, and let him do the rest for him-
self. It is far bether that he work the
first few years of his life than that he
be given a start in life that will tide
him over the first years, and when it is
wasted hy indolence or misunanage-
ment, leave him stranded, to begin life
anew without somal business principles
and training.
J. L. Inwin. SUBIRRIGATION FOR THE LAWN
Having built a new house, and being
desirous of havine a mood lawn, I de-

When the alkali contains considerabl quantities of carbonate of soda the gypsuun, or land-plaster, and good drainage if necessary. When other alkali
salts or seepage waters have accumulated in excessive quantities tile-draining is the damage from the rise of seepage water and alkali that many raluable
farus have been abandoned. A large tract uear Salt Lake City has been given
up on this accomt.-Orange Judd

RECENT PUBLICATIONS

## Slaverr, And Four Years of War. A po- litical history of slavery in the United States,



FEEDING COW.PEAS AND BEANS

Cow-reas and beans are more valuable than corn for their protein. Beans conlain about. three per cent of protein, oue and one half per cent of fat, fifty per
cent of starcls, three per cent of mineral matter and about twents-two per eent of crude fiber. Corn contains about ten
per cent of protein, five per cent of fat, per cent of protein, five per cent of fat,
seventy per cent of starch, one and one half per cent of mineral matter and Fractions are omitted for convenience. It चुill be noticed that beans hare twice much mincral matter (lime for sliells, ete.), While corn has more fat and
starcli. With corn at sisty-five cents a bushel the feeding ralue of beans
should be about $\$ 1.20$, with the same weight a busliel; but much depends upon the kind of bcans. They are very pecially as they are, in some states,
four pounds a bushel heavier than corn With feed so low one may be tempted to feed too much, whicli should be guarded against. It may be arded that as both beans and corn contain a sufficieney of fat and starch, the hens get more starch than protein; but starch raw. bnt should be ground, though not necessarily fine. If they are cooked they may be thickened with bran and cornThey are very wholesome and are excellent for fowls. At eighty-five cents a
bushel they are worth nearly one and one half cents a pound, and in proportion to the protein, compared with corn, are worth more than twice as
much as corn. Cow-peas are about the much as corn. Cow-peas are abo
same in feeding value as beans.

## CROP-BOUND FOWLS

The following is a method for curing crop-bound chickens: Pour into the hare the water as warm as possible, but hare the water as warm as possible,
not to scald. Work the crop carefully, to break up the mass, holding the chicken by the feet, head down, still working the crop, and the broken-up
portions will pass out through the mouth. - Repeat the dose of water until all soluble portions are removed. Whole corn, wheat, oats, etc., will readily pass out. The portion remaining unbroken
will probably be a stone, piece of coal, rag or string. If either of the former, take a round, smooth stick the size of pass this gently into the mouth and into the crop, being careful not to get it into the windpipe. Press the hard substauce carefully against the stick, withdraw the stick slowly, and follow up with the stone or other substance.
This can be pressed up and passed out through the mouth. Be careful to keep through the mouth. Be careful to keep
the object against the stick as you withdraw it. To remove rags, grass, string, etc., use a surgeon's probe, or
any instrument having a long handle and opening as do forceps. Be careful when placing the foreign substance in the jaws of the instrument not to catch
the crop and lacerate it. This method can be used for chicks as well as fowls All this can be done in a few minutes and avoids cutting. Feed soft food for

## MARKET POULTRY AND FAIRS

Although some managers of fairs and poultry shows draw the line when they reach market poultry, giving such no place, yet they cannot fail to observe
that no matter how meritorious a breed may be its utility as a money-making fowl on the farm is the first consideration on the part of those who buy
This is shown in the popularity of some breeds, even those that are not ad mitted in the standards, for the claim in
favor of white hreeds, evell those that are not admitted in the standirds, is that. "pin-feathers do not show on them" when they are "dressed for marliet," which expresses in a few words that the market qualities are always or to how many points the birds may scorc. While breeders derive their custom from the producers of market poultry, yet they take but little interest in that branch of the poultry industry, some of them treating the matter of recognition of the market-fowls at hows as of no consequence, which is one of the greatest mistakes made. The simple capture of a few promiums on pure breeds at the slows is as nothing compared to the fostering of the im provement of market-fowls, for it is
from that direction that all the pur-chase-money comes.

## FEEDING POTATOES, CARROTS, ETC.

Potatoes, turnips, carrots and all kinds of vegetable foods aid digestion and dilute the concentrated grain, as well as assist in affording a variety The roots should be fed in troughs, both with and without ground grain." By the term "roots" are meant turnips, beets, potatoes, carrots and parsnips because they are really the bulbs or oots of plants; and as they are grown at but little expense they afford a cheap food if they can be properly prepared for the fowls, which, however, is easily accomplished with a root-cutter. One advantage in feeding cut roots is that if one does not use too much ground grain he is not liable to make the hens too fat. If ground grain is no fed with them one cannot feed too much of the cut roots, as they are way is to take half a peck of the sliced or cut roots, sprinkle the ground food over it (one pint to the peck), and give it to the fowls. Linseed-meal, bran, meal, etc.; may be mixed and then sprinkled over the roots.

## THE EARLY PULLETS

There are now a large number of pullets on farms that were hatched last spring, and some of them are already laying, though it is yet too soon to expect them to do so as a whole. Not pullets be of sufficient growth to b relied upion as regular producers, and eren then it will depend upon management for the best results. What is necessary now is to keep the pullets growing, so as not to have them go into the winter season in an immature condition; for should they not begin to lay before cold weather they may not commence before spring. If the pullets have been on a good range they will no doubt have an advantage in growth, and it will be well to allow them a mixed diet. Give bone, meat and bran, and make more room in the poultryhouse for them by selling off the cock-
erels. Destroy all sickly pullets, as erels. Destroy all sickly pullets, as bove all, do not crowd too many to gether in the poultry-house

## SPECIAL CHARACTERISTICS

There is no breed that has completely fulfilled all the requirements of the farmer, for the reasorr that no breed can be made to excel in certain characteristics without displaying its predominant trait so prominently as to place it far in the lead in that particular respect, and also to render all other meritorious characteristics to
appear deficient. Breeds that excel in a single characteristic, however, may possess other qualities, but which are not prominent simply because compardegree as to allow the breed to appea
lefieicnt even where excellence really egg-producing qualities, yet not be classed amolng the market breed though it ma

## CLORINATED SODA

The above solution is well known an highly recommended as a curc for ronp. guart, and costs about one dollar for the imported and fifty cents for the domeslic solution. The solution is a very powerful disinfectant, and is expensive y used in the practice of medicine charges. It is easily prepared, as follows: Dissolve one and one half pounds carbonate of soda in one quart of boil ing water. In another vessel clissolve one pound of chloride of lime in thre quarts of water. Mix the two liquids, and filter through blotting-paper. Plac in tightly corked bottles, and keep a dark place. Use it as a wash once roup until the discharge ceases.

## FEEDING AND MANAGEMENT

 There are a few rules absolutely necessary in the care of all varieties of and give no more than will be eaten up clean. A change of food will be relished nd will give a pood return. Nests and oosting-places must be kept clean and oosting places must be kept clean an water should be supplied every day. Quietude and freedom from alarm of any kind are necessary to command their confidence, which is a very impor ant consideration; keep them familia with your presence and voice, and do not disappoint their confidence. Ground to allay the offensive odors of the hen yard, and costs but littleWHEN THEY WILL PAY
In purchasing trios for spring remember that the Leghorns, Hamburgs, Langshans and Houdans will lay by
next April if hatched as late as last June. The Langshans usually lay earlier than some of the large breeds. In selecting Plymouth Rocks, Brahmas, Cochins and Wyandottes, however, endeavor either to procure old fowls, pullets that were hatched not later than April. For breeding purposes the winter laying is no object, and latehatched pullets will answer if mated with an old cock or early cockerel; but for winter laying get them as large as possible.

## INQUIRIES ANSWERED

Dysentery in Turkeys.-E. A. S., Statesabout fifty, were raised on wheat, bread and cracked corn. Some of them have dysentery, Reply:-Change the diet, confine them for
two or three days, and allow a mess twice a day of one part linseed-meal and two parts bran scalded.
Hard Crop.-P. R. S., Pomfret, Md., writes: Geys, attacked for hard crop in little turweeks old. I have tried castor-oil Reply:-You should have mentioned mode of feeding, as there may he error in that respect. Castor-oil is injurious to young tur-
keys. There may also be local causes or Black Eggs.-F. O. K., Asbley, Mass.,
writes: "Why are my hens' eggs black when cooked? Some of them run under the barn and drink the liquid manure, and some run in Rerly:-Ser
Reply:-Sereral cases have been known of
similar circumstances, and it has been as
similar circumstances, and it has been as-
cribed to the food, to too much sulphur, to excess of coloring matter in food, and to the
ahnormal conditiou of the fowls. Temperature in Brooders.-E. P.
Dunlap, Kan., writes: "1. With the bull the thermometer in the brooder, what degree of tempcrature should be maintained? 2 .
What high or low temperature is injurions? What high or low temperature is injurions?
3. What is the ralue of Kafir-corn compared 3. What is the ralue of Kafir-co
with Indian corn, for poultry?"

Reply:-1. Not under eighty or over ninetyfive degrees; if too high the chicks will come
out; if too low they will crowd. 2. During dry weather with very young chicks seventy de-
grees for a short time may do no harm. grees for a short time may do no harm.
Over one hundred degrees is dangerons.
Chiclss Chicks also vary in vigor and hardiness.

THIN SES SOOM
LISTLESS
SLEPLSSS
requently chew and smoke immense quantilies of tobacco and wonder all
the tlme why they look so badt, feel so mean. Try under an absolule quarrefunded, the taking of a single box of
NO-TO-BAC (0,70
builds up nervous system,
makes pure, rich blood. Many report a galn of ten pounds in ten days. Go buy a box. Try it under your own DRuGGIST'S Guabaiter ruay form of tobacco using. Our Written guar-
antee, free sample of No-To-Bac and
booklet called "Don't Tobaco Sit and
Smoke Your Life Away, mailed for the

CASCARETS Condivation olicisura


The first successful Husker built
 Onverts the entire corn llant into a sale





LINENE Cuffs


TERRIFF'S PERFECT WASHER




Requ QUERIISSe:e

toria, Tex. In auswer to yonr query we relub-
lish frou Farm Nin Fireside the forlowing:
"TThe eastor-ben plant wants anm, rich soil, aud with good culture will yield, sonth
of the fortieth parallel, fiftereu to twenty
orer ten bushels. The soll should be put in
thorough conditiou, and the beaus planted
at the same time and in the same manner as corn. except that they should be planted in should be planted with nars-beaus or pota-
toes, to permit of the passage of a wagon iu harvesting. The culture consists in thinuing
the plants to one in each hill when about
sixe inches ligh. and iu keeping the ground loose and clean. The harrestiug should begin
when the pods begin to crack, which will be some time in August. A wagon is driven
along the open rows, the ripe pods gathered yards, which should be tike au old fashioned southern slope of a dry knoll. The heat pods to pop open. Rain should be avoided cleaused by a fanulug-mill and spread upon
the barn floor for further drying. Where a

sufficient quantly is raised it is hetter to | sumcient quantity |
| :--- |
| hare drying-sheds for both pods and beans. |
| St. Louis is the castor-bean market." | VETERINARY






 stance, to so-cellled scrateches, pimples and
cracks on the poosterior surtace of the lower
chen

ansriperion of the symptoms aud of the $r$ -




$\qquad$


QUIIK GORH CUTTING
THE SCIENTTIFIC corn harvester


For All Lame Horses

 DR. B. J. KENDALL CO., ENOSBURG FALLS, YT. DEDERICK'S HAY PRESSES 只㡖


MPERIAL





##  <br> THE GRANGE

IHOW OUR GRANGE WAS ORGANIZED office for the mail, and while waiting for the "down" train went up to M
Burnham's for a long-neglected call
time and energy enough each year to
do the work it we could only get to-
gether:"
"Mrs. Brown wants to form some sort of a trust to fiuther trample on t
rights of we poor down-trodden men
exclamed Mr. Bmonam, coming in at that we may be, it not willing victims,
at leasi able to know our fate." We were jnst having our amual airing of the cemetery. We thonght possibly re conld each of us invite several fam ilies to meet and devise means of carry ing out the
"A capital idea," replied Mr. Burnham. "They can meet here, can't they "Certainly" sle at Mied "Let's have it a week from to-day, as so many come after their mail at that tim
So was deciled, and a list made out of those who would be most interested and the most likely to help.
ho liad surs. Graham, "ho had large experience in getting things of a public nature done, had decided to do so and so. Lead up to the matter gradually, and it possible convey the idea to each that he or she suggested this plan, and that you are
only willing seconds to their lead." And with cordial good-nights and best wishes the hopeful friends separated. A week later a dozen tamilies met at the Burnham home on the edge of lown. Soon the men adjourned to the cemetery, to lay out plans for the combuggy came suspicious-looking baskets buggy came suspicious-looking baskets efreshments," explained Mrs Gerve refresham, "so each of us brought some thing. It was Mrs. Brown's idea,' nodding brightly to that happy woman "We kept a list of what each could fur-
nish most easily. Each knew what the other would bring, so there will be no surplus of cakes and lack of fruits, etc Oh, yes, there is the wagon." And has tily going to the road, she gave direc freezers of cream that had been gathered up anong, the interested parties. "How lovely!" exclaimed Mrs. Burnham, delightedly, "Let's spread tables here in the yard." And while the happy workers were getting out the dainties so dear to the feminine eye and heart the men returned.
"Let us go into the byways and hedges and compel them to come in," cried Mr . Burnham, in mock solemnity. "It is Saturday; half the country round is in town; let's go and invitc them to
the feast the gorls have set before us."
"Goddesses," corrected Mrs. Graham,
ith a majestic wave of the hand.
"I beg your pardon, American god-desses-the truest, the best in the
world," asseuted Mr. Burnham, with a gallant bow and wave of the hand. "The plans are all laid, Brown. We'll bring 'cm in and let 'cm make sjuggestions to their hearts' content. By easy stages heir will lead them to believe they sugwe will lead them to believe they suggested our plan, and that, in fact, the whole thing would have fallen through had not a merciful Providence sent
them our way." hem our way
And thus with pleasant talk but earnest minds this little band soon gathered about the tables, and the invited ones made suggestions and waxed zealous in the cause when they found how well
received were their hints and advice And the outcome was that before an other month rolled round the cem etery was clean and free from weeds, new fence was up, and a piece of unsightly ground had become a lovely resting place for the beloved dead
Again the leaders met at Mr. Burnham's. It was a central point for all. hen will. we repaint the parsonunsightly.
"And a stable is neerled," chimed in Mrs. Burnhan. "It's disgraceful the way poor Mr. Dean had to go so far to care for his horse last winter
"Yes, and we ought to have sheds for the horses and buggies," said Mir. Burnham.

## "Let's form ourselves into a perma

 nent society. 'There are so many im-if we could get. together without so much trouble. Then the winter will talked-of reading club." It was Mrs.
Brown who spoke-Mrs. Brown, who Brown who spoke-Mrs. Brown, who
had been kept so closely at home by had been liept so closely at home by
honsehold cares that lines and prema ture gray hairs showed the havoc time
and hard work, with few recreatious, and hard work, with few recreatious,
were playing with her beantiful face. "I will heartily second the motion," aid Mr. Brown, with that g
tenderness so characteristic
his business and his family. "Tr a in mament organization will help mothers as much as these few rueetings have, look well to his laurels. Why, m
much as we did twenty years ago, don't ve, mother?" Mrs. Brown blushed and smiled, while a happy light played i her soft gray eyes.
"I think we farmers pay too little attention to the social claims of our neighborhood," obscrved Mr. Graham ordinating everything to business; so much so that we often lose by our close application. 'All work' and no play makes Jack a dull boy' is as applicable
to we old folks as to the younger oues."
"Why don't you organize a grange?" nquired young Mr. Hamilton, who was visiting the Burnhams.
A silence fell orer the group, and that stiffiness which is so deadening settled upon all. Fortunately young Hamilton was a man of tact and experience and instantly perceived that the coldness with which his suggestion was received was due not so much to any objection to the idea itsel, but to erings would become formal affairs.
"The reason that I surgester
"The reason that I suggested the $y$ not noticing the silence, "was that you are already one in a local way. You are doing exactly what the grange seeks to do. Your work is along the line of its work. But there is this distinct advantage, that while maintaining your own individuality as a local club you could also, by the same organizacome in close fellowship with thousands upon thousands who are doing exactly what you are doing. You would form a link in that great chain that is binding farmers together an pact organization, and getting them in
shape to co-operate with the clubs maintained by other business men. You would give and receive in a way that you cannot if you are simply an isolated
There were a few moments of awkward silence, broken by Mrs. Graham. "I for one like the idea," said she. have been reading of the splendid work the grange is doing, and have often how to go to work to get one." "And I, too, like the idea," said Mr. Burnham. "We need a local organizasee why we couldn't go a step further and become a part of a great national organization.
"Agreed!" cried several others. And so it was decided to call in an organizer who would give them the necessary in-
structions. Young Hamilton wired the state master of the need of a grange, and asked that a deputy be sent. A day later came a commission,

## essary blanks,

structing him to complete the
had begun.

## organized, aud a happier or more pros

perous grange cannot be found to-day

## er communities in which if

izer should go no grauge would be organized at the othset. He might plant the seed, leaving to time the de-
velopinent of the giant oak. There are
that a good one could not be organized in their community. The fact is that
that neighborhood which cannot main-

## than the rule. In man instances those

 gratify their longing by getting a fer kindred spirits together for mutual help and enjoyment, and later on organize a grange and become a potent done by the American farmer.CONSTIPATION

 CURE CONSTIPATION.

Tailor:Made Wrapper





$\$ 833$ Honthly Salary




\$3 DaySure


silver, also Rods and Needles.
B. G. STAUYFER, Dept. F. F.,
OPIUM
and Liquor Habit cured in 10 to
20 days. No Day till cured. Write
DR. J. L. STEPHENS CO. ay till cured. Write
TEPLILENB CO
Lebanon, Ohio

|  |
| :---: |




啇a happy, enthusiastic letter
 Smith-college girl, wote to lier
cousin Nell Elliott last sumcousin Nell Elliott last sum-
mer she graplically clescribed a yaeht-race, a house-party
and the preparations for the Labor-day celebration in Blank. which included the athletic games, the rast parade with thousands of working-men
in liue, the decorations, the speeches and the mansic.
Floreuce was going home the next morning. One of her first duties was to train a class of newsboys from "The Bors' Evening Home" to sing patriotic
songs. They were to march, too, and were jubilant at the prospect. "'Ihey'll make good citizens some day."
Why could not the village of Walden have a celebration? Nell pluckily made an attempt to become a "general promoter, but the quaint little hamlet not respond cordially. Fortunately Nell remembered a remark Florence once made explanatory of her work among the uewsboys-comparatively little could be doue for the very ignorant foreign adults-"Commence with
Eight girls aud boys from thirtcen to fifteen years of age were invited to a Labor-day entertainment at Nells home. The entertainment was to be held in the afternoon. from three to nine. Grape-vines, with buncles of the fruit, aud pumpkins formed the principal clecorations, and gorgeolus autumm leares gave a rich glow. Stately asters, gay phlox, brilliant uasturtiurus and poppies filled many vases, bowls and jugs. Only one rariety of flowers was turtiuins were artistically arranoed on a mantel; the flower picked with many leaves, held their heads up as bravely as though growing in their own little garder-bed
Candles were chosen to furmish the illumination on aecount of their suitability and because they were made from tallow:
Croquet aud archery were the games with Which the afternoon homrs were whiled away.
"The kindly fruits of the earth" were represented at the feast. The firesh, cool melons, pears, peaches, grapes and apples were very attractive. Cold chicken, cold ham, wheat (white), rye and Graham sandwiches, with sweet, golden butter, rich, dainty clleese, pickles and sparkling water were served. The Labor-day pies," certainly a norel title, were delicious individual pumpkin pies. A rapid analysis would show that the farmer produced the wheat in his field, his pigs furnished the lard, the thrifty rines yieldeth the pomplin. while the other ingredients were water from the faithful well and milli and eggs trom cow and fowl. Pcaches and cream and ice-cream completed the menu. Grapeleares and nasturtium-blossoms decorated the supper-table and gracefully garnished many of the dishes.
After supper games were played in "(Questions and Answers." Each was tion and its answer, uswally laughable and inappropriate, were previously and inappropriate, were previously were numbered alike; they were then hidden in flowers-two colors of nasturtiums, one color to contain the
questions, the other the answers. These were prettily arranged on a tray-the
girls haring straw-colored nasturtume girls haring straw-colored nasturtiums, while the boys lad those of orange
hue. One of the questions asked was. "What would you do if your father lost his money?" "Put on fresh linen and brace up, was the unexpected answer.
The "Geographical Aphabet" was interesting. All the letters of the alphabet were distributed among the guests, and each one was relnired to write a history or a characteristc of a country whose name began with one of the let-
ters given him: for cxample, " E is for Egypt, famed land of the sphinx.'

The "Poetical Conundrums" prored exciting. "W'hat famous English norelBl recently deceased was a negro? "Black.",
Lamb
Sturdy little Jack Elliott, his sister's Champion. recited the poem "The Stas-at-Home." his selection at the last chool entertaimment. Ile also reciter another which he had learned, called "The Hard-Work Plam."

## And travel along the road, <br> and earn yonr way to greatues

By the hard-work plan.
The sourcnirs were original, being booklets with eream water-color paper leares and covers of celluloid tied with
tiny crocheted green silk cord tasseltipped. "Labor-day" and the. date Sceptember $\mathrm{S}^{*}$ 1899." were skilfully painted on the covers in green. Each booklet contained a quotation concerning labor from a poet or philosopher, such as:
"No faithful workman finds liis task a pastime
"Bodily labor alleriates the pains of the uind: and hence arises the happiness of the poor

LLabor is wholesome to the body and good for the mind; it prevents the fruit of idleness."

Go labor on: spend and be spent-
Thy jos to do the Fathers will
is the way the Master went;

## Should not his servant went;

"Not what I have, but what I do, is my lingdom.
"Experience shows that success is due less to ability than to zeal: the winner is he who gives himself to his work, body and soul."
"Blessed is he who has found his work; let him ask no other blessedness. He has a work, a life-purpose; lie has found it, and will follow it."
"Work is the fresh air of the soul."

## TOMATOES AS VEGETABLES-TOMATOES

 AS FRUITIt is a fact, though you may not all be aware of it. that tomatoes are classed both under the list of regetables and also of fruits. Webster says, "Tomatoes if cooked arc regctables; if eaten raw are fruits." And, in my
opinion, tomatoes as fruit rank equally with strawberries and, peaches. They must be very ripe, though not overripe, and should be peeled with a sharp knite without being immersed in hot water. (The hot water destroys the freshness.) After peeling they should be carefully sliced, laid in a dish and covered with sugar. When serred they are corered with whipped crean, and no one who partakes will deny that it is a dish "fit for the gods.
delons salad is prepared by using dressing, or sim any preferred salad dressing, or simple rinegar, salt, pepper

and, sugar. If good cider rinegar cannot be obtained lemon-jnice shomld be suljstituted. The tomatoes must be sliced and placed on ice for an hour lefore serring.
Scalloped Tomatoes.-Take one pint of sterred tomatoes which have been rmbbed through the colander, thicken rith one and one fourth cupfnls of lightly picked crumbs of whole-wheat bread, or a sufficient quantity to make one half cupful of srreet cream; mix

well, and bake for twenty minutes. Or fill a pudrling-dish with alternate layers of tomatoes and bread or cracker crumbs, letting the topmost layer be tomatoes; corer, and bake in a moder ate oren for an homr; uncover, and brown for fifteen minntes.
Roasted Tomatoes.-Plunge in boil ing water for a minute sound medium sized tomatoes; drain, and pare them neatly, then cut away the tops without detaching them entirely, and remove the seeds with a teaspoon. Put a teaspoonful of good butter into each tomato, seasoning with a little salt and pepper; close the tops, then lay the tomatoes iu a buttered baking-dish moistening eacl one with a little swet oil. Put them in a hot oren, and bake ten minutes. Place on a hot dish, aud serre.
Scrimbled Tomatoes.-Remore the skins, and place in a saucepan six large tomatoes; add a little bntter, pepper and salt, and eook until they are done beat two eggs, and just before taking the tomatoes up turn the eggs in and stir one way for two or three minutes, or until the eggs are cooked. Serve imuediately.
Cabeage and Tomatoes.-Boil finely chopped cabbage in as little water as possible. When tender add half the guantity of hot stewed tomatoes, and boil together for a few minutes, being carefinl to aroid bmoning. Add sweet cream just before serving.
Tomato Rehish.-Remove the skins, and cut in thick slices six good-sized mi clo fip them in beate geol omatos: ap thern in beaten egs, then a bread or cracker crumbs, fry in hot butter, season to taste, and serve with beefsteak.
Tomatoes and Corx.-Cut the corn off the cob, and boil uatil tender; add to the corn twice the amount of stewed tomatoes, butter, salt, pepper and cream or milk in which a little flour has been smoothed.
Tomatoes And Onions.-Stew with he tomatoes finely chopped onions the combined flavor is delicious.
Baked tomatoes are allowed to retain their skins until after they are done (it takes an hour to bake thoroughly), then the skias are remored and thes are dredged with salt.pepper and butter. Thesc ire reery healthful, is they are freed from much of the acid jnice

Ella Bartlett Simmoxs.

## A DOUBLE BONBON-BAC

One of the rlaintiest ideas for "farors" at a recent children's party was

Clina silk dotted with spots of rosecolor and tied around between the two
pockets with rose-colored ribbon. To pockets with rose-colored ribbon. To fifteen inches, fold it lengthwise, stitch the ends and sides, leaving open about one third of the length at the middle of the side seam, turn in the edges of the opening for narrow, lightly run hems, and tmrn the bag. Slip inside, seam to seam, a similar bag made of tongh white paper, and fill each pocket to the opening with mixed bonbons. Tie the ribloon, knotting it an inch or more from the bag, so as to leare a loop by which to hang or handle it. Such bags are bright and attractive "favors" for a party, and ther make rery appropriate holiday or birthday gifts to offer friends of any age. If desired they can be unade more elaborate by the addition of lace embroidery.

## SCHOOL-DRESSES FOR GIRLS

Most of the summer dresses can be worn throngh a part of September, but the wise mother will not let this mouth grow old without preparing at least one suit for the rainy aud chilly days that creep in between.
Now that the raiuy-day skirt has erolved into the promenade skirt and bids fair to be a settled article of dress it is wise to consider one fact; namely that money will be sared by making this of the very best wearing material. As so many women clamor for cheap stuffs, manufacturers of course, to meet the demand, put cheap stuffis on the market: but there is no economy in buying them. Brown and gray are the best wearing colors, and it will pay you to select the goods that range in price from three to three and oue half dollars a yard.
Good tailor woolens will wear better than those offered at the retail stores. Allow three skirt-lengths for a skirt and jacket. If of the rery heary double-faced goods a lining will not be

necessary. This suit, with a bright blonse of soft Menrietta, with a neat daughter until Christmas. It is poor managemeut to hare many dresses for growing girls. Three are all that are sutficient-one for best wear, one for erening wear ant one for school wear. In replenishing a young sils ward beplace the a dres and let the obe replace the good dress and let the past one come down as a school-dress. If you have sereral girls, clothe two of them alike, so that afterward the two
dresses will make one good one tor a dresses will
smaller girl.
Patronize the dycr. Good material will clean twice and then dye a darker color and wear much longer than poor stuff, which soon gets shabby, and is then done for.
The clifferent style of blouses suggests ways of varying the wardrobe of sereral girls. For the tiny one hare a long cashmere cloak like that shown in the illustration, to cover outgrown dresses.
Black ribbon relvet still remains a fashionable trimming, with belt and necktie of the same material. A rough traw or felt hat slightly trimmed is straw or felt hat slightly trimmed best for all-time wear.

## TURN ABOUT

The horse and the dog hand tamed a man and
fastened him to a fence: Suid the horse to the dog, "For the hife of leting him have al blt of sense
the sldes of his hands, do you?"
the dor
head, and said, "l'm and shook his
The poor man groaned and tried to get loos Sou will rob me of things for which I Gou will rob me of things for which
nse by cutting my thumbs away
You will spoll mys looks, you whll callse me
pain! All, why would yon treat me sol pain. Ah, whad made me, and he knows best? Oh, masters, pray let me go!"
The dog langhed out and the horse replied, "Oh, the cuttlug won't hurt! Yon see, have a loo iron to clip right
did in your docking of me!
God gave yon your thumbs and anl, but
the Creator, yon kow, may fall the artistic thing. as he did inl furmsh lug me will a tail!"
they bound the man and ('ut off his thumb: and were deat to hit pitiml cries and their work through haper and dumpent eyes. ince his awkward thmubs she gone? Le life of me 1 camnot
Lord ever put them on!"
Still it. seems to me," the dos repliced, "that theress something else to do
do they look to rou?"
fonct out, Oh, spare me ears! God and if you apply your kuife to them you'll smely disfigure me!'
But you didn't disfigure
dog decislwely sadd.
When sou hound me fist and trimmed my ears down close to the top of my hede while they cropped his ears away And they praised his looks when they let him up, and proud indeed were tlicy!
But that was years and years ago, in an unSuch thinge are andel
bave reached a higher stage
ears and thumbs God
nd the cruel horse and

MAKING MONEY FROM THE FARM of are the prince of moneymakers in little ways," I said to a woman of my acquain-
tance one day, when testing some of the wares that she places on the market and anong her chstomers, who are friends and acquaintances. "You
are the greatest earner of pin-money are the greatest earner of pin-money
that I ever saw, and as you are not an extravagant user of pins, et cetera, you must have a nice snug sum mind telling me about it?" And straightway I grew interested in ways and means, as well as iu her toothsome dainties and table wares of eatable aged and how she worked and saved, making the best of everything at hand, and busying both brain and fingers.

and busying both brain and fingers.
relish" is worthy of especial mention and description, and the concocting of the article begins with the early summer, for the making of it begins with the growing of materials entering into the composition. My friend of moneymaking schemes is a farmer's wife. She loves garden-work, and does a great deal of it, but not the laborious work that many women do, for she long ago learned that men with horses and plows and cultivators could, in sliort spaces of time, do more than she could
in weeks, or dars at least, and with no fatigue whatever, as compared with her own weariness when attempting to do work not fit for women. Jong rows of garden stuff are grown, and among these garden rows are onions, tomatoes, ture has come to be a part of her garture has come to be a part of her gar-
dening, also, for celery plays a prominent part "in the making of her relish, for which she finds ready sale, and at well-paying prices. Once a small dish
of it is sold, or even sampled, more of it is straightway in demand. She finds sale for all she is able to prodnce.
As the cucumbers are grown to the
right size for pickling they are daily attended to, picked and salted down. She is very successful in her method of
salting down, and has freguently mans which, when soaked of in the winter, sell at ten cents a dozen. A great many of them are also used in the rel-ish-making. When green beans are at the tender siring-luen age gallons of
them are cooked in salted water untal them are cooked in salted water untal tender, and then piekled in large slone jars. When the seatson of ripe tomatoes
is about orer bushels of the grecu ones is about over bushels of the grecn ones
are gathered, both large and small, and are gathered, both large and small, and materials together. There slaall be uo secrets about her receipts, she says, and through the writer's hands she passes this one on to others. Per-haps other larmers' wives may protit thereby.
The rule is as follows: To six quarts of sliced green tomatoes add a liberal fuantity of salt, and let them lie over night. In the morning drain them well and soak in a yplantity of cold water for six hours. I'se water sullicient to ake out all the salt. This removes the rank green juices of the green tomatocs Ggatin drain, and then put on in vinegal to cook umit slightly tender. A pint of such matter will do for the six guart. of tomatoes.. Again drain from the inegar, and throw this vinegar away The rule for this cooking is one pint of inegar to one gallon of the tomatoes To the six quarts of tomatoes four quarts of onions will be required. Proceed rery much the same as with the sliced tomatocs, except that not uearly o stand in will be required for liem soaking will be necessary the following lay. Put the onions on to boil in valer, and cook until tender, but not util soft brain well before using Take the beans from their vine bath, ake the bean from then vinegar bath, nup art to the mixtwre four quarts nd ald to the mixture fonr quarts o chopped cucumber pickles. If the cu brine sonk the been taken from a salt brine soak them until freshened suit-
ably for pickling. If pickled when picked hhy for pickling. If pickled when picke and first put down simply drain them from the vinegar, and chop. To these articles in combined quantity add bunch or two of chopped celery. Indi rdual taste should be consulted as to elery addition. If celery is not to be had, use celery-seed or celery-salt, to give flavor. To the chopped beans, matoes, onions and cucumbers (and cel ery if at hand) add fom quarts of fresh strong cider vinegar, four cupfuls of sugar, a red pepper and a green pepper choppeá fine, and one small tablespoonful of mustard. Cook together until all seem thoroughly done, but not in the seem thoroughly done, bit not in the
least cooked to a mushy consistency. least cooked to a mushy consistency.
Make a smooth paste of one cuptul of Make a smooth paste of one cuptul of
flour and water, and stir into the boiling mass, to thicken it slightly. Simply let come to a hoil after adding the flom and water, and add turmeric to suit the taste and to give a rich yellow color. nustard-seedsts of white and black to tumblers, pint jurs, quart jars and other small dishes suitable for table use. Seal if the weather is still hot, but the mixture will keep almost any where and under almost any conditions (except that of placing it before people of good tastes)

The same farmer's to furnish butter sufficient to meet the demands. She never sells for less that twenty cents a pound, and when butte prices range higher, in winter, the "rise of the market" is hers, by tacit under standing. Were her strength greater and did her cows number more, there
would yet be a demand to exceed the would yet be a demand to exceed the supply, for her butter is beautiful in It. would be almost needless to ad that her fine fowls furnish, through ex change, the entire supply of groceries for the table. Apples are converted in to jelly and boiled-cider apple-satuce and find sale, also, at prices that pay and find sale, also, at prices that pay
her for the labor, she says. Boiledcider apple-sauce among village and city people is a rarity and a treat, and whenever the home-made commodity can be found is in ready demand "Nother's" old-tashioned reccipt is used in the maling. Factory-made sauce Cannot compare with the home-made.
.What a little store of treasure the really is about the farm if simply taken into account and the materials utilized. Many do make the best of all these things. Others do not even try. but bewail their "fate," when in reality
there is no fate about it. It's a simple matier of "up and doing"-energy, dewillingliess to do. Linn Lanalois.

## LIVE OUT OF DOORS

If we could all hie a way to some cool, breezy spot and live in tents when hot weather comes lite would be more enourselves just as comfortable as possible under existing fircumstances, simplity our honsekeeping in every way possible, and lise out of doors all it is possible to do. There is no doubt that healthful, and yet I believe fimmers' wives, who, it wonld seem, might have an abundance of fresh air and ontdoor
life, suffer more for the lack of it than life, suffer more for the lack of it than
almost any other chass of people. In almost any other chass of people. In
many neighborhoods it is almost impossible to get help to do the necessary honsework, and consequently the cook-
ing, chuming, washing and ironing talke ing, churning, washing and ironing talke all the honsewife's time, and in too many cases nearly all this work is done in the honsc. This is a mistake. Every house ought to have a roomy, shady piazza, where rery much of the work fortunately, as 1 know, many houses do not have this couvenience. Ilowever, if a woman will firmly resolve that she will do nothing in the house that can be donc out of doors she will find some place to do it. A table can be put under a tree, or, lacking that, on the side of the honse that is shady in the fore noon. This table may lee only a rougl shelf fastened to the side of the house or a box turned on its side; then have a chair high enongh to sit at this table, to do many kinds of work that can be done sitting as well as standing
simple porch may be mate to scrve until a better one can be built, by pritting up a light frame over the kitchen door and stretching a few yards of heary duck or awning-cloth over it. All he preparation of vegetables, the washing and even the ironing, when the wind does not blow hard enongh to cool the irons, may be done out of doors. Have a little oil-stove on whie to heat the irons, set if by the ironingtable, inside a box turned on the side if necessary to shield it from the wind; then you can sit in the high chair and iron all the small pieces without getting up.
Besides the comfort of doing many of these household tasks out of doors, mnch dirt and litter is kept out of the kitchen, and work saved therc. I believe if a woman will try this plan once she will never go back to the old one.
When the morning work is all done, and the mending-basket claims the attention, take it out of doors in some shady place. Let baby take his nap in a hammock swung by your side. A piec of till sep fir him him, and, beliere me, you will be all the better for this out-ot-door life, and you will come through the hot summer without that utter exhaustion which you have so offen felt when you did all your work in a hot, stifling kitchen.

## IN THIS WORKADAY WORLD

Carlyle was right when he saict Jesus wanted to save the world he di not send some one else, nor sit quietly in heaven, wishing the world were deemed; but he himself came down earth and became a man among me that he might come in personal touch he is not afar off, but a near and dear friend to all who love him.
And just in proportion as we as Christians come in personal touch with those around us are we useful in carry-
ing forward this great work, which he began. Look around and see if there is not some life known to you that needs help and sympathy. Take an in terest in that one, canse him to teel that you are his friend, and then you an intuence him for good.

## then bin did bearning

Are we so engrosserl in our own pleas-
for opportunities to do something for these saddened hearts?
who is weary and dishenten to you vainly endeavoring to carry her burdens alone? Cultirate her acquaintance take a loving interest in all that per-
tains to her, and in a loving, Christ-like tains to her, and in a loving, Christ-like
manner do all in your power for her, leading her gently to the one great burden-bearer. Cod desires ns to hav our characters so rounded, our rision so cularged that we may be able to sec the little things he would have us do Out of the lititle eometh the large." $7 t$ each day is what it should be life cen not be barren and woid.
One day at a time; one day of joy and peace; one day of sadness and hearb ache; one day of rest and idleness; one
day of labor and weariness, and our ires are ended.
T pass through this word lint once I can do, or any linduess that I may show, let me do it now, for I shall not pass this way again." The day's glicle into wecks and months, the years are born, and merge into the eternities Silently pass the days one by one, as a
panorama, before us, and we are the panorama, before us, and we are the artists painting the pictures, which
shall stand as long as time shall last; and who shall say that they may not be carried into eternity? We may have Belial.

Our opportunities are our paints; let us take heed how we use them. We start each day with fresh colors, clean brushes and a clear palette, and whet.her willingly or mwillingly, we paint of the result at the last day? Will the Great Teacher be pleased with our pieture, and say to us, "Well done?" If he does, then all the trials and hard ships whieh we have endured in this "workaday" world will vanish in the
smite of his love, and we shall erer praise him for having lived and fo having had the privilege of doing some litnle good. Then let us keep in touch with Christ, and in touch with human

Ella Bartlett Simmons.

## BEAUTIFY YOUR FARMS

There are so many ways of enhancing the beauty of the farm. and with so litthe trouble and expense, that it is to be wondered at that the majority of farmers do not take advantage of them Many unsightly pools near the roadside might be made to the edge of the pond and having flags, cattails and water-lilies growing in and around the water. It takes no more nourishunent from the land to grow a good grape-vine on the fence than it does the weeds we so often see Apple, cherry and plum trees standing outside of the fence cost no more alter planting than does the box-elder or villow, requiring only an occasional pruning. Wire fences, which are so port for the miripe-vine and such other vines as the columbine, the bittersweet climbing roses or clematis. The woodbine or Virginia crceper would be especially good as a beautitier, being : vivid green all summer and a flaming vivid green all summer and
red all throngh the autumn.

Walnut, butternut and hickory tree interspersed with rines, lilac, snowbal and syringa bushes and an occasional
fruit-tree would not only enhance the fruit-tree would not only enhance the
beauty of the farm, but also the value beanty of the farm, but also the value
of it. This ormamental aud useful growth by the wayside would be al agreeable change from white clorer and many obnoxious weeds. Then, to have such lovely things to give away (for one of them) would in itself fill the generous soul with delight. There might be many who would abuse these pricileges at first, but if fruit and flower culture by the roadside can be practised iu Germany, and none molests or abuses this privilege, it appears to me that in ons own heautiful nation, with all its lovel. school systcm, we should be able to
teach the rising generations to respec so noble and generous a feeling that would prompt a farmer to not only

## . a THE SECOND JACKSON By Albert Lawrence

, $\qquad$ L'Ars said Tohy would he president
some day," declared the aged,
White-haired mother when the news
Tas hrought that Tas hrought that her son had
been nominated for that office by
the dominant partr of his rillage "It'll please me mightils to mor
into the White House, though I b past eighty, an' ought not to he thiukin'
fiue things; but I pray God that I may live an' have the strength!"
Neighhors before this had shaken their lieads and said that the old lady.s mind was failing her. But honest Tobiah Jackson could not have it that was in his filial beart,
would rather make a jole of the matter
". 'Cause ma's near-sighted things looks
be same to ber, an' it makes no difference Thether it's the president of the United
states and the Plilippine Islands or just states and the Plilippine
president of Sangatank Villag
"You see," the old lady confided to Mrs.
Beagle, "I're he'n thinkiu' more ' $n$ ' more of ate that it must he so. There"s be'n two
damses, an' two Harrisons, Adamses, an' two Harrisons, an' there's
bound to be two Jacksons. Hist'ry's al'ass epeatin' of itself if you gire it time; that's e'n a true proverb long hefore ms das
Johu Phillips, the rillage hlaclsmith, Johu Phillips, the rillage hlacksmith was an exciting one. At the very beginning f national policy mixed themsetres up with what should hrave heen purely local matter, and then personalities crept in,
Phillips styled himself the working-man's andilate, and acensed Jacksou of being a capitalist. In polnt of fact, oue was ahout
as well off as the other, and Jackson had prohahly worked just as hard upon his farm as Phillips did in his shop. The village imits had only recently been exteuded, hring ing Jackson's house, which was ou the near
corner of his farm, within the corporation: corner of his farm, within the corporation
and this was made a point of hy the opposi tion. Phillips' followers declared Jackson woor, and tax the citizens of the place for it. Jackson was called an iunperialist and expansionlst, and it was declared that the same policy which made him eligible for office in for mayor mhen Saugatauk became a clts. Jaekson's men said that Phillips farored making dollars out of iron, or ans old thing, and thes adrised him to build a Chinese wall
around his shop and call it a United States mint.
Phillips was a married man, with a famlls naturally hare the interests of the rillage naturally hare the interests of the rillage
more to heart than Jackson, who was single, and, lired with bis "crazs" mother and der this spinster's thumh. aud not onls would the han be placed upon the saloons, as here tofore, hut there would be a lieense put upon tilda Jackson was known to eschew
When the rotes were counted hy the inspee-
tors, sitting in the dim light and cold of the village fire department, it was fomud that Tobiah Jackson had received a goodly major ity. Phillips flung himself augrils out of the would elect the deril if he should he placed But in the morning the blacksuith was early at his shop, pounding iron as merrily as ever, and when Tohiah Jackson passed on his
way to the corner grocery Phillips bailed him as president of their rillage, and ealle Jackson was a large, well-formed man nearing the halfecentury mark, but erers whit as
strong and actire as he had been a score of pears earlier. In his face he strongls resem bled the generally accepted portrait of
Grant, and in a modest, way was proud of the fact. Had the war of the Rebellion
lasted a rear or two longer be would hare been found at the front serving under his ithlol.
As it was, howerer, he fought the battles out nuder the lamp hy the kitchen fire. firs aetion, aud later between the corers of some
standurd work sprad unou the table after standurd work spread unou the table afte
the supper dishes had bren cleared awar. sisting of historr and bingraphr, a set of en
esclopedias, with three or four rolumes of standard fiction, and a row of school-book of two generations past. It was probably
due to some remark of his mothers that led him, soon after lis elcetion, to begin readin for the third time the life of Andrem Jack-
son. Tobiah rightly felt that sueh study mould help him discharge the duties whieh he had assumed in accepting the office his neighIt was not until the following September tration ahove that of a dozen which had work in the village cemeter;, which las be
yond his farm, where the wife of his youth and his only child lay buried in a single had he begun his task when there came shout from the road, and some one heckoned to him to come nearer
"I guess ye bain't heard what happened in
tauwn las' night." said Beagle, as he flung his legs over the side of his huggy. Beagle was the rillage constahle. A hit of excitement appeared in his uanner and action, aud Jackson knew there was something serious Pllllips was murdered iu ber home! There's Philhips was murdered iu ber home! There's yrnchin' the murderer!'
"Murdered? Widow Phillips? A murder in Saugatauk!" repeated the amazed listener. Theu the mind of the official came to him. Where did rou get 'im-the murderer?', defor your prisoner! It's our duty' to see that he has a fair trial!"
"I hain't got 'im, nor nohody else. They dou't knotr who it ras as did it. Some say it was Jimmie McPhee. Jimmie was there yesterday workin' for the widow. It was done
with his fish-spear; at least theres them With his fish-spear; at least there's them as say it's his'n. The fish-spear is there. It was blood! The points jest fit the markin's on the widow's hody! The sight's a terror! Her hody! Lord! An' at her age
"Has any one seen Jinmie

Has any one seen Jimmie?"'
"No. He's keepin' dark. Phillips is talkin the uost of lynchin', but there's plentr as is Whin to join him in 'vengin' his motber's hut there'll be no work at the blacksmith's
"-Phillips
Jackson, talkin' o' lynchin'!" exclaimed months since be run for an office that would put hiu at the head o' law in Saugatauk. Pint it's the man's mother. If it had be'n

## ny mother

"It's a terror!" repeated the constahle, was fearfully mangled. Why, there was hlood-"
"We've got to find Jimmie," interrupted an' guard him. There'll where hell he safe, quest-'
"I'm goin' for the coroner now," said Beagle, as he threw his legs back into the cart. 'I thought I'd stop an' tell re, as re onght to know 'hout
Jacksou felt that his presence was de-
manded in the village among the livling, and struck out across the fields for his home there to array himself in suitable clothes culated to command the respect due to his position. As he passed through a strip of Fenton's woods, hetween the ricer and the railroad, he came suddents upon Jimmie MePhee; the simple-minded fellorr was on his under a fallen tree. Jackson pounced upon hiun at once
"You can't hide under there, Jimmie," said the chief officer of the rillage. "I're
now, and sou're got to come with me.
Jimmie turned his head and looked into the face of the man who held him in so close for he was used to being put upon tis men and hors who liked to make sport of him. "AT, it's rou, Mr. Jackison!" drowled half-wit, and he hroke into a grunting, nasal langh. "I thought it was some 0 ' the bors Hu-ugh-ugh, ngh, ngh! Did ye think wanted to crawl under there? I was lookiu
for my fish-spear." want sou to come up to the house with me Jackson let go his hold on the other. Jimmie's face had a perfectly natural hook, and
refleceted no desire to escape. His dratl be"I hid my spear under there, lint 'tain't there notr: some dum bors have takell an' I put it. I het I know who it was, an it he healthy for him if I ketch him
His voice was pitched on a high key and lost itself in a squeak. Jimmie calmed presently, in sort of at whine. "If you've gnt
some work for me to do. Mr. Jackson, I'll Jackson was considerably puzzled by his prisoner's helarior: but his eye detecting.
hlood-spots ou the colored shirt which Jinmie wore, he fcit it his duty to take him into custodr. He made the child-man preJimmie talked in his nsual coustant stream. breaking at times. into loud guffaws át his "That topknot hen ye give me won't las any mome eggs. Mr. Jackson." dranterl Jim-
mie, in his high. nasal monotone. "Hu-ugl-
ugh-ugh!" lie laughed. "I killed ther this ugh-ugh!:" le laughed. "II killed her this
mornin' bufore dayllght." He finishod his sen-
tence with a rising inflection. "I had to glt
out hefore sun up to ketch her. Hu-ugh-ughout hefore sun up to ketch her. Hu-ugh-ugh-
ugh! She bled like a stack pig. Ma, she
said ther'd thiuk rd committed a murder-bu-ugh-ugh-ugh!
Jackson ras thinking what he should do
With his prisoner: He was far from conrinced that Jimmie was guilts. But innocent or guilty, it might not he safe for him to appear in the rillage if there mas carnest talk
of lynching some one. The half-wit's story of the ben might be true, and it might not. when in the village and inquire.
After thinking over many schemes, one presented itself to the village president for suhjecting his prisoncr tion. They were drawing near his harns. "You're a good un at piclisiu' orer.hean "I gness I be"." Jackson asked. complaceut drawl. "I plcked orer forts hush for Huckins down here on the turnpike road last sear. He said 'at I-
"Ire got a few that I want
"I're got a few that I want picked orer,"
intcrrupted Jackson; "hut, ye see, I don't
want any one to know about it. Do ye spose Want any one to know about it. Do ye s'pose
ye kin keep quiet an' uot let any one kuorr ye kin keep quiet an' u,
ye are at trorl for me?'
"I guess I can," Jimmie answered, dragging his
said 'at Itin' near the house I folks to know ahout this. Here-in the shed! It'll he rather dark at first, hut I guess fou can see after sou get a little used to it. I'll have to lock you in, Jimmie, so's no one will stuunble ou you while re're morkin'. Now mind, mum is the word. You can put the
clean heans in this harrel. See, it's gettin' clean heans in this harrel. See, it's gettin lighter a'reads. I'll come
Jackson shored to
Jackson shored to the shed door and a
moment after the ker moment after the ker elicked in the padlock.
Arrared in his hest clothes, which were douned over his woolen shirt, Jackson strode into the rillage. Everywhere little knots of men hroke at his coming, only to form again abont him. Women ran from house to bouse, throwing their aprons over their heads, or stood in their rards talking across the fence
The horrihle crime was the all-absorhing The ho
topic.
Jackson made his way to the back door or the McPhee home. Jimmie's mother, old and grizzle-headed, was wringing her hands and "iping the tcars from her eyes with the dish "Oul-
cried, coming at did it, Mr. Jackson!"' she frenzr. "Jimmie never did it, Mr. Jackson He may not be so bright as some, hut be is hairmless, Mr. Jackson! He is hairmless! Ye air president the while, Mr. Jackson, an can sare him! Ou-wy! he never did it!, Me hoy-
me habry hoy! Jimmie, the lad! An' thes ma hare him this moment! Ou-wr!
"Be still, Mrs. MePhee, and answer me
truls. Did Jimmie kill a chicken this truls. Did Jimmie kill a chicken this morn in'?"'
in' it when the did that. trools. I was dress in it when they come to me wid the story
that upset me iutoirels. Here it is, that re that upset me iutoirels. Here it is, that re
may see mid rer own eres. An' the blood mas see wid rer own eres. An' the blood
was that thick on the lad that I said-I said it, Mr. Jackson, never thiukin', Mr. JacksonI said, says I, 'They'll think, lad, that je're committed a murther,' I sass, never thinkin' sars I. Ou-wy! an', re will sare hiun, Mr Jackson?"
"I'll do the hest I can, Mrs. McPhee. I'll ight of a frec mann. Now calm yoursclf!". "Thank ye, Mr. Jackson, thank ye! There'll he one that'll crer pray for se, Mr. Jackson, The while there's hreath in me hody.
Thas talk of lrnching
There was less takk of lynching than Jack son had expected to find from the fers words lips came at him cxcitedly, shaking his fist Hps came at him cxcitedly, shaking his fist
aud demanding that something he done to catcl the murderer. It was he who had identified the fish-spear as belonging to Jimmie McPliee; for Jimmic had had it at the shop but a short time hefore, and the blacksmith had fastened the head upon the new handle Whicln it bore. A score of men were scareh-
ing for the suspected fellow, and the longer ing for the susperted fellorr, and the longer
they failed to find him the more it eonvineed all of his guilt.
Jackson visitcil the scene of the crime. and fish-spear in charge. He the blood-stained fish-spear in charge. He had deteruiued to and mark how the half-wit hehared himself and mark how the half-wit hehaved himself,
If he acknowledged that the spear was his, then lackson intended to transfer the prisouer to the connty jail. He believed that this could he done safely if he conducted Jimmie most of the rillage people were at their din ner. It never occurred to the man that his townsmen could hare a reason for enncealing their intentions from him: he helieved what
he had orerhend accurately refleeted their minds.
"Do sou know whose this is?" Jaekson
asked. when be stood before his prisoner asked. When he stood before his prisoner
fish-spear in hand.
"I gness I do. Hu-ngh-ugh-ucll! That's
mine, Where'd re get it, Ir
mine, Where a se get it, Mr. Jackson that?"-examining the bood-spots. "Somelondr's be "n usin' it." he drawled. Jim-
mic smelled of the stains. "That ain't fishblood.." And he carried it again to his nose.
hons; nevertheless he believed it his duty t
place the fellow under temporary arrest a
least. "IIom are rou gettin' on, Jimmie?:" he
asked, with a look torard the beaus. "'Purty well, Mr. Jackson. It's dark, an" pointing to the barrel. "That's not bad. Well, se can keep right at it, Ji
They?
the:

## they?"

dark when-when I want to, IUu-ugh kerp dark
ngh!"
Jack
Jackson had an carls dinner, and when to set out for the jail. which was located in "Jimmie," said Jackson, "I want to get to How enginc-house without an
How ang to do it?"
"That's eass," gruuted Jimmie, coming to the door. "Go right ont herc. down through ree get to the lumber-yard: then 5 ge ent
through there all along the river-bank till c come to the tanners: then up Blecker jail-an' there se are!", Apparentls this "Jimmie, rou lead the "Hu-ngh-ugh-ugh! Come on," said Jimmie. Hu-ngh-ugh-u the front door of the fire department, aud lifting up his routhful roire in the street, "Hc's caught! Ther've got 'im! Jimmie's daught! The murderer-Jimmie. the murbehind the hars! Granny's blood is on 'im "There"ll be a mob
sclaimed Beagle, with a look that minutes! trouhle.

$$
\begin{aligned}
& \text { "Hare re no } \\
& \text { on, anxiously }
\end{aligned}
$$ out telephoned his wife at Centreville. He one mite hefore midnight.

the prisoncr," declared Jackson. "Th proteet have re got to defend our position with? Bleeker's Winchester here? Yes, there it-is. larker, who was the rillage clerk. "Yon rouldn't shoot any one?" questloned Beagle. "If they are determined-
"We must be determined, too. I tell you the prisoner shall he protected in his right." to all Who opposed him. "Barricade - the to sce what force be could rels noon. There were the clerk, and Smith, the engi could be trusted to stand hoth of whom Phister, the village marshal. hearing the boy shout in the street, eame running in, and following him were two trustees. Besides these there were three fellows who wer lounging in the place at the time, and who shor of success-in all a force of ten.
"Don't let any more in," commanded Jack through the narrow opening. "'rlll go onto he second floor and speak to the men out side from a window:"
Not more than a dozen had gathered in the street as yet, and these, to all appearances, hefore the great doors which had been closed against them; some were clanoring for ad mission; some were looking through a key he aren of for int or the were trying to peer in at the barred wiudow. "Sere trying to peer in at the barrca miudow, alled Jaekson, from the opening ahore. "Fo the sake of pence and the good name of sauhuilding. Let every man return to his work."
$\qquad$
hey inquired, witle little bred to his words.
"Jimmie is locked in the ectl, an" I shall
so fa
s in for examhation an trut. so far
as is in my power I prounise you that justic
hall be done. Now return to-"
"Do se thinks he did it, Jarkson? Did h
"Do ye think he did it, Jackson? Did he
till the old lady?"
"I don't knorr, Neely," ansmered Jackson
He hasn't acted at all likw a guilty man
ery incriminating. If we all seep cool
heads the truth will
LCet ms ser Jimmie. Give us a peep at
him." called the men. With uplifted faces.
way: if you will uot listen to my wishes
ean. Men, yon have electerd me to he yon
head; now ober me, an' leare at once."
"Give us one look at Jimmie an' we'll go
"Thes are village oftieprs list ins in, tou
jeer went up from the crowd
That offiee does Mikey Milroady hold?
Then did you ever elect Sandy Wall:
Jackson had forgotten the three lounger
But he was quick with an explanation
"Ther are here to help me in case I need
"We," he answered.
"We nell help yon. Let in." returned the
men helow.

Every moment the numher in the strect Increased. Women were gathering on the
comer heyond, and a few had rantured as near as the walk opposite. Jacksou looked anxlously over the crowd for Phillips! he was afraid of what might happen when the son the lead. If he could get the crowd to dls"Once more, men! Will
ork?" Jackson demanded.
"What's bitin' ye, 'Toby," shouted an irrer"ent fellow. "We ain't doin' no harm here."
"Seud yer helpers ont after us! Drive us away if ye can!" cricd mnother.
"Come," felled a third; "arrest us all, be-

## dercr!"

Slouts and jeers rose from the men. Jacksought cane to him, and he cotled batek down the stairs loud cuongh to be heard by all on the outside.
"Fire up the engine, Smith! Drop the suc-tion-pipe
up to me!"
up his hands and dancing with delithert, "lu's up his hands and dancing
The shouting and jeering rent on with in greater pounding and ratilling at the double doors below. Some one started the cry of fre, with the idea that Jackson would be forced to send ont the department and thns give them an opportunity to rnsh in. The
men grew more and more surly and impertinent, and urged one anotler on; plainly they lacked but a leader to don something desperate. "Here comes Phillips!"

## "Phillips! Phillips! 'Ra

He'll let us in! far Phillips follow! Got a rone for Jimule? Hang the fool! We'll back ye np, Thllips! Bratk in be distingulslied above the gencral roar of the crazy-going uen
Jacksou stood in the window, vainly motioning sileuce. "Phillips, let me speafk to you!
Men, be still!" he corumanded. "Is this larrabiding Sangatauk? Stand back!
Jackson smelt hurning pine and linew that Smith had started a quick fire in the engiue. Marker came to him with the pistols and the Winehester

## heads. That'll scare 'em off

"Bang! Bang!" went the Winchester for a moment. The men stood looking at once another an iustaut as if questloning who had been hlt.
"Don't be scared, hors," eried Forest, rulu-
ing to rejoin the excited throng. He had been to the smitby for a sledge-hammer, and from the distance had had an acenrate
vlew of Jackson's movemeuts. "He fircd in the air! He dassn't shoot us
lips. "Take that, dann ealled, and flung a great stone directly at the glass wras double, and sent the shattered panes flying all about. "Come on, fellows," Phillips continued, taking the sledge from At that moment Phister cane dragging the hose to the window.
marshal, ahove the tum to hit 'cm. Spit on 'em now, Dan'l!'
"He'll throw eold water on the
loated the eld water on their ardor,' he conld commnnicate with the engineer:
volume of steamy was belching forth a great volume of steamy smoke, which wound its coughing, every glistening and shining cylinder was, lu a tremble

Let er go!" shonted Marker.
At the window there was a splutter and from the nozzle Then water were forced full and powerful upon the heads and breasts of the raging mob beneath. Jacksou directed point-blank and gave the leaders the water manity rolled and tumbled, coughed and choked, and fled, cursing and screaming. Dnst flled the air, and ruud was spattered Wet the quickiy made pools and rivulets. a safe distance.
Jackson breathed a sigh of relief. His prisoner was safe for a time at least. Phillips and coughed the water from his lungs. "Let 'em squirt," he breathed hard; water won't last forever!" Aud with an oath,
meaut as a death-warrant for Jimmle, "We'll have 'im ret, curse 'im!
But Jackson knew too well the value of bnsbanding his powers of defense. and ordered the stream stopped till there should be need of it again. An anxious hour passed, in which those within the building watched the men
on the opposite side of the street drying thenselves in the san. Words wer exchaged bebave as became law-abiding citizens, while the mol hurled bark abusive langnage, with threats of what it would do presently About fonr o'clock in the afternoon Phillips
seemed to be holdiug a council with the
men whom he gathered about him. Then
there was a division of his forces, and one
half of the mob minched down the street and turued at the corner. "They're going to at
"Had better" carry the hose to the window over the back door, eh?' asked Marker, laying quick hands upon the nozzle.
"No," returned Jackson, sharply; "pnt on
another line and rum it to the back window. They menn to chirge is front an' rear tosether. He rurick, men! Bagle an' Harrls responsible for a fnilure at that end responsible for a fuilure at that end. Kee
ont o' sight; fet 'cm nake the eharge, an bath may hring them to their right minds When erines wre heard at the rear of the building Jackson sprang back trom the window as if to carry his end of the hose to the
point now threatened. Instiuntly Phillips le the remaining force lin a wild charge for the doors in front. Jackson let them reach point immediately brieath the slattered wh dow before be passed the word for water: then
he throst the nozzle throngh the opening aud he throst the nozzle through the opening an he gave rather more to Phillips this time.
Presently shouting from the back room to
Jaekson that his men had beaten off the attack there. Marker joined him, mloating over the sport whicln it was for those inside. Even
the village president found thme for soumething xpressive of grim humor:
When the blacksmith
istance, and fornd that hise at a safe had been defeated also, he callert his leader about him for a second conucil. The result of this he made known in a speceb which be coice horse witl renter of the road,
ting. "Hey, there, Jackson!" he called, to command the attentlon of those iuside. "Y might as well give up, for we're goin' to se this through if we have to starve ye out. You're a luan as believes the majority onght inne. Sell got the majority with me this ably now. We don't want to destroy no property. Ye have resisted long enough to uphold give up Jiumie. There's no disgrace in yield-
"Phillips, ye ought to be ashamed of yourself," returncd Jackson. "Go home to your
dead, wherc you belong, an' leare the law to dead, wherc you belong, an' leare the law to shall be punished and 1 promise roult that so long as I have streugth to hold up au ar'm I shall resist mob violence
Theu followed a war of words
As darkness drew on stones and other missiles were hurled at the building. From movements it nas erident that Phillips was surrouding the fire department, with the inried to the telephone, mnffling the bell hefor ringing np. Phister's daughter was in charge of the central, and he was certain of loyalty there. He left an order for the sheriff to bring a sufficient posse wheu he came at and asked that an effort be made to smuggle and asked that an effor
some supper in to them.
Tilly Jacksou at once bustled about the ouse, makiug ready a lunch for teu meu. The spirit of excitement had reached the son, made the old lads uneasy
"Toby is havin' trouble with them nullifiers," murmured the mother, clasping and unclaspiug her hands.
"No, ma; it's the Phillip-pinos," returned the daughter, rejoicing in her wit and the stirriug times. "But Toby is enough for 'em." peated the old lady. "Yes, Toby'll do what is right!!'
Jackson had bid his men he on the lookout for some one with their supper. So wheu a gloom, along the wood piled high in Bleeker, gloom, along the wood piled high in Bleeker's was sent to the back door to admit Tilly with a hearily laden basket. While they were refreshing themselves the cry of fire arose once uore, and presently flames were see
lifting in the direction of the old tanuery "Now there is a fire!" exclaimed Harris, "Yes, a fire! Fire!"
The mols ontside were rending the air with their cries. The flames rose higher, filling the streets with shadows and cansing the sky to glow with rich color
fire to it the" old real tannery. Phillips has set
"No, some boss have done it,", said Tilly
"I passed them in coming down," "I passcd them in coming down."
"Shall you let the department go?" worth saving. Phillips shall pay for this; The mobsyelled itself hoarse demanding that the steamer be sent to play upon the flames.
But Jackson held firm iu his course. The light of the fire revealed bis sister's face, and the enraged throng easily gnessed her mission. Again they had been baftled.
Shortly after Phillips learned the sheriff was coming with a large posse. and he re-
solved ou one last desperate stroke. He came accoss the street alone, with uplifted hand, in the attitude of one wishing to hold parley with the mau he conld persuade him to gire
up his lafrless intention, and readily granted him an intervicw. He left licagle in charge
of the hose abore, aud slippins throush the of the hose abore, aud slipping through the
single side door, appeared ln the street at the foot of the building.

## "Say, Jucksou" began I'hillips, passively

 Then with is suddeu treacherous movement, the presldeut of the village and bore him to the earth. With a yell of triumph the mol dashed forward. The enginecr instinctively felt they had ben betrased, and withoutwaiting for the word tinned the water into waiting for the word thrned the water into
both lines. Jackson and Phillips writhed and struggled in the shadow of the building. Iseagle directed the stren
crowd and beat it back
"Fair play naow, men," he callerl. "
fight it aont. His side wins who wius."
Tut menatime loyalty cost Beagle his position. the mob, held in eheck, could only yell and conragemrent to their chicf. Flames from
the burnlng tannery still gave a hurid light to the seene. The combatants were both very powerful men, Jackson, taken at a
disadrantage, seemed to have lost the fight disadrantage, seemed to have lost the fight
before it was fairly begnn. Stowly, steadily, however, he worked his arms loose from the blacksmith's mighty hug which pinioned them at his side. Now they rolled on the ground their fcet, their faces showing fierce and angry in the murky glow. Above their heads the stream of water kept up a steady sib-
nlation, bissing defiance to the circling moh. Little by little Jackson gained upon his
antagonist. Now he had him hy the wrists and forced him back against the building The two werc panting alnost as furiously as the steamer within. The door through which Jacksou had issned stood slightly ajar; he flung it wide open. With a cry the crescent mob started forward, but Beagle with his stream of water swept the front of the
building as with some giant blade bloody in the firelight.
The moment of supreme effort had come. Pbillips fought hard. He comprchended Jackson's intentious, but felt his ability to cope with him slipping away. Slowly, relentacross, the threshold. Then with one powerfal effort Jackson threw his man within the walls of the department, turued swiftly and holted the door behind him. Anothcr instant and he had given up the fight. Exhansted he lay in a beap upou the floor
panted, "but with the twat, Jackson," be a thing to eat to-day-
Beagle lifted the stream and sent the water patterng in drops upon the heads of the distant men. With their leater is prisoner struggle no longer had spirit to keep up the he found the town quietly sluubering.
Thins was the fair name of Sangatauk preserred, and an innocent man saved from an there had been a robbery, and that during or following it the murder had becn committ Before the week was out a tramp was arested in a ueighhoring county bcaring npon careful examlnation of his clothing reveale the bloody imprint of the fish-spear, where he had riped it upou lis coat-lining.
No action was bronght against Phillips or
his followers. The president, ever a charitahis $o l l o w e r s$. The president, ever a charitabe forgotten. His aged mother contends it was fitting the secoud of the name should have his nullifiers, also, for without her punuing danghter she coutinually forgets present
history and reverts to that of the first Jack-

## history and reverts to that of the first Jack ou.

## AT THE CHICKLEY CROSS-ROADS

They called it the Chickley Cross-Roads distinguish it from the Apache Cross-Road. Roads on the opposite side of the stage-road tikes a turn np int the hills on its climb toward Coyote. The an Iudian raid that years before had swem cross the country that way Cross-Roads were so uamed, according to the
neirhborlood wits, bccause Patti nerer had come that wa
But one and all knew whence came the
name of Chickley Cross-Roads. In the first place, Chickley post-office was located in the the that stoo place, the same building contained The store -I give it the alphabetical importauce that it occupied in the rocabulary of the set"Chickley's." Aside from the commercial importauce of The Store it T as a must alluring place of erenings, with its hot stove,
invitlug cracker-boxes and opportunities for aeigblorly intercourse. Thirdly and lastly Chickley himself was there. This may not conrey impressiveness to the stranger, but as post-office, the store, or even the school holise, where, besides the school, the monithly
preaching, the Sons of Toil lodge and the
Literary Society beld forth.

Chickley was a grizzled little man, in his carly forties, with a shrewd, kindly face, an of settling all difficult or disputed questions that did more to increase bis reputation tha the fa credit and heury weights. He was justice of
the peace; but his nseffuness to his neighbors extended far beyond the solomon-like judg ments of his conrt. From a domestic difficulty to the ownership of a stray pig he was con-
sulted, and appeals from bis decisions were to au easy style, nor yet to a fowing chi-

## contents of much of the mail that be then

## out as postinaster.

as they jogged towsid The Store after supper as they jogged tow wird The Store after supper
for their usual dishl of gossip, "Chicley is a born dicplowmat. He kin settle every one's
tronbles hut his own, an' there he's help-
"Ye mean iblont his dotter?",
The rising inflection was all the stop that
Matt Lowe would allow his curiosity
Matt Lowe would allow his curiosity or
Jube's loqnaciousness. In was practically a only medimm of information he knew little of Chickley himself.
shep, abont his dotter; an' about Mahaly Ashman, too. Ye sec, Chickley moved here Jenny V. was two or threc, au' as cute a but inighty fiery. An' his wife-say! I've heard of Tartars, an' I've seen wildeats, hut
"Temper?" fueried Matt, laconically.
"Temper! Jcrushr geewhillikens!
they ain't never been no mian on the why they ain't never been no mian on the plains night it was jaw an' scold an' abuse him an Jenny V. A pretty woman, too, an' she could be smooth-spoken; but Chickley didn't get any of that. To make it harder for him, with her brother, Bill Ashman, two mile up the road. His woman tol' mine how C'hickley an Mahaly had be on engaged to marry onct,
back in Ohlo, au' how Mis' Chickley, like the red-headed Jezeber in an' 'got hiru herself. Mahaly didn't know chickley was here till she got here, or she a time that she hadn't, the critter made it so hot for her. Mahaly was a tailoress, au' got right smart to do in the towuship, an' wheu Mis' Cliekley wa'n't abusin' him she was Mahaly; but she, bein' a kind-spoken. Christian womau, uever turned a word, though she took no comfort here. So after while Metropolis, au' it bein' a large towu, an' she handy at her trade, Bill says she's made right "Well, mouey.
"Well, I swan!" Matt spat in the roadwarmed to his subject.
bout five year ago Mis' Chickley up an' died. 'Heart failure,' the doctor from well, made up our minds 'at tow in' her so per had been the means of a hotbor in some wheel in her crazy head, an' had burned her out, so to speak. We couldn't be sorry, though, for we thonght that now Chicliley eould get Mahaly, after all, au' she, bein' so restful, would kinder uake np for the cantaukerons time he'd had; but we reckoned
withont Jeuniy V. She's jest what her mother without Jeuniy V. She's jest what her mothel
was at her age, I reckon, pretty an' peppery was at her age, I reckon, pretty an' peppery,
an' when Mis' Chickley left her ber'temper an' when Mis' Chickley left her ber 'temper
she also throwed in her spite against Mabaly. Jenny $V$. is a good dotter enough, au' fond of her father, but she hates Mahaly Ashman like poison, an' that settles her pa's hash." that's 'how about this young cattle-buyer girl? Won't he take her off?", said Matt the "Well," was the answer, "we boys had be gun to hope that between death an' the cattle-buyer Chickley'd have a little peace
yet; but he found out that the young man yet; but he found out that the young wan
ain't nothin' but a gambler an' scamp, tryln' ain't nothin' but a gambler an' scamp, tryln' to get roun' a pretty girl an' a father that
well off; so he gare him a good old ronud-lu and sent him off. It's pretty good for the
girl, but it's hard ou the old man. Hello girl, but it's hard ou the old man, Hello.
there's the stage. What's the news frou down the road, Pete?
The fountaiu of information ceased flowing door. The stage from Metropolis, forty miles a tray, made triveekly trips from that place to Cosote, carrying the mail aud stray pas-
sengers across the conntry to post-offices aloug the way, aud counccting the two rail
road town betore named. The driver, therefore, was to the conutry-side what the daily paper is to the town. He brought the news
from Metropolis, exehangiug this for neighborhood items at each stopping-place, alld
thus his fund grew to extreme thus his fund grew to extreme proportions. Metropolis that half a buudred or more had been killed in some easualty. It would be brlauced in the evening at Chickley's by the had chation that "Tink" Wilson, at Arcadia, that Lew Granger, at Cranberry. had lost a horn consins, had fought over Iwink Robinson at Pulpit Rock, and the itens would be given
impartial consideration. impartial
To-uight
Tonight the stage had been delased two
or three hours by a breakdown, aud the driver



SIMPLY TRUST HIM!

While stars are brlghtly shlning,
Sleep, darling, sleep!
And cease thy sad ripining,
Sleep, darling, sleep!
For Hfe is too short fur weeping,
So bury thy grlet forever
While shadows are drifting low:
The vell of uight is spreading, Sleep, darling, sleep!
The light of the stars are shedding, sleep, darking, sleep.
Will dawn a clowdesmorning And perchance it will drift isunde
The grief that you dream must stay
So whlle the night is hovering, sleep, darling, sleep.
Sleep, darling, slecp
He giveth the heary-laden
He draws them close to his bosom,
Oh, wonderful love, so blest !

God that madest earth and hearen
Darkness and light!
Who the day of toll hast given, For rest the night!,
May thine angel guard
May thine angel guards defend us,
Slumber sweet thy mercy send us,
Holy dreaus and hopes attend us,
This livelong night!

## A TRUE NEIGHBOR

0of the most important lessons to be learned from this beautihe parable of the good Samarisympathy. To win souls we must have the winning spirit. When we have humanity along with the diChrist.
Show the lost ones that you love them and you will move their hearts. placed in a hospital. He said it was so hard to be there, away from all those who loved him. The nurse bent down, kissed him, and said she loved him. He answered, with a satisfied smile, was hike my sister's kiss. It is not hard tor me to die now, when I know some
one loves me." If we had something of this sympathy for the lost and sorrowing the
whole world would soon feel our influence. Sympathy is the key to the human heart. 1 think it was Ceorge Macdonald who said, "If I can put one touch of a rosy sumset into the life of any man or woman I have worked with God."
An incorrigible soldier, upon whom all punishments had been tried, was brought once again to the colonel, and thing with him, but in vain.
"No," said the soldier, "there is one thing' you haren't tried." And the The soldier onswered"
I am sorry for what I have done."
The colonel said, "We forgive you." The tears startec., He had never been treated that way before. It was the starting-point of an earnest Christian life.
Don't cast people off when they go wrong. Don't talk them down. Quit your gossiping about people's mistakes. The man who never made a mistake is a myth. Mingle gentleness in all your rebukes. Make allowances tor constithings where kind words will do as well. There are many in our churches and out of them who are in need of sympathy, and that will speak to their hearts a great deal louder than eloquent sermons or long prayers. What the man who is down wants is a lift. Let us make men feel that we love them and that we mean to help them and
they will be helped. they will be helped.
"The bread cann
"The bread cannot rise while the A chaplain, preaching to the prisoners, said that the only difference between
himself and them was owing to the grace of God. Onc of the prisoners mean what you said about sympathy mean what you said ahout sympathy
with us, and that only the help of God made you different firom us?
Being answered in the attirmative the prisoner said, "I am here for life, but I can stay here more contentedly now that I know I have a brother out in the world." That prisoner bchaved so well that he was pardonct. He became a soldier in the war for the Union, and died thanking God to the last for the chaplain's sympathy.
Happy is the man and blessed the woman who has in his or her soul that which gives to life the warinth of the sunshine, the redolence of the rose and the freshness of the dew.-Christian Endeavor QVorld.

## GOD'S CENSUS

Most people complain that the censustaker who comes to all our doors armed with the authority of the nation asks too many questions. We dislike to tell our age, or whether we live in a rented house; or object to some other of the inquiries which he is sent to makc. But suppose there eame a stronger messenger of even a higher power state! Sook the census of our spinitual be tested, our tempers put to proot, our words weighed, our gentleness and patience in all human relations and our faith in God measured and recorded!
The divine census of the world, which e call judgment, is, we sometimes think, postponed. We sum it up as be longing to the distant tuture, under the title of the "Judgment-day." But God's judgnients are no more postponed than his mercies. "No one has learned anything rigidly," wrote Ruskin, "until he knows that every day is a day of judgment." We live in the presence of God. He needs no messengers to go with book and pencil to question and record. He takes account of all our spiritual attaimments and defeats, joyfully noting all our overcomings, sorrowfully grieving over our defeats. That thonght is happiness for those who work for him. It is a comfort to those who sor row over $\sin$; for think how hard it would be for us to tell our heavenly father of failures which he had not seen! It is only a fear to those who are unloving and put God out of thought.
The census enumerator, therefore, is a suggestion of that intelligent and ordered world in which God has given us our place and work. There are no in God's full view of life. In the cen-sus-taling some are overlooked through carelessness or neglect. But God's enumeration of the world is complete and infallible. It goes beneath acts, to motives. It acknowledges purposes of good which we have been unable to carry out. It is a father's loving over sight of children, a master's reckoning with his servants, a judge's eonsidera-
tion of the thoughts and acts of men. tion of the thoughts and acts of men.
it goes on, as the lives of men go on, It goes on, as the lives of men go on,
this day and every day. Shall we not this day and every day. Shall we not
live and think as we would like to appear when the summing up of Gorl's observations shall be open to the inspection of the world?-Exchange.

## ROYAL TENDERNESS

A motherly queen was Louise of Denmark, the glorious old lady who has just passed away at the age of eightyone. She has been called the "moth er-in-law of Europe." so many of her children have married kings and queens, At her bedside were, among others, the
dowager Empress of Russia, the King and Queen of Greece, and her noble daughter, the Princess of Wales. Hers was a good faimily to marry into. "A
finc study for mothers-in-law," some me calls her
but she was as good a study for
mothers and wives. Her closer claim to the throne of Denmark she trans-
ferred to her husband. When Germany made so great inroads upon his posse sions she was his eomfort and support Accomplished and learned as she rvas, a
woman of wide and masterful instincts, woman of wide and masterful instinets,
yet she was, above all, a home-maker, yet she was, above all, a home-m
and her husband loved her dearly. long ago a beatiful picture was seen
and reported-that of the aged ling holding his arm like a lover orer his wife's head as she slept, gaining a little relief trom insomnia. His position was a cramped and paintul one, and the infirmities of age are heavy upon him,
but he would not withdraw his arm uu til his wife awoke.
It is the example of such piety, sireng'th and human tenderness in their armies, will make a people great.

THE GREAT WRESTLING-MATCH
Dr. Gcorge II. IIcpworth, speaking of the great struggle between good and evil in our hearts, says there is a class come as he does his man should wel-friends-love, charity, kindliness der their influence his soul becomes er their infuence his soul become symmetrical and beautiful, as when a useless and brings to light the statue that was hidden within. And there is another class of emotions. which literally poison the blood and open the doo vide for every possible ailment. They are the worst enemies of that poise and
serenity which mark an ideal manhood serenity which mark an ideal manhood -resentment, revenge, ill-temper and ill-will-and to cherish them is fatal to happiness. They are the instruments in the orchestra which are out of tune. They are the hairs in the watch, stormclouds in the sky, the miasm of the dank and dreary swamp.-Selected

## PREFERRING ONE ANOTHER'

In most respects, if not in all, you will be sure to find some one surpassing you; so that, if you want to insure happiness for yourself, you must not envy If you can heartily enjoy the success of others you will often have opportunities for enjoyment; but if you can take pleasure only in your own success your pleasure will be small.
Envy is next door to murder; we ould have him out of the way.
It is not preferring others to set them above yourself, expecting them in urn to elevate you.
Hero-worship makes heroes
You will never be pushed up by the men yout thrust below yon, but pulled ap by the men you lift above you.Daily Companion.

THE MALIGNITY OF ENVY
There is a story of two men who dwelt in a certain city, one very envious and the other very covetous. A rule whatever they desired, on condition that he who asked first should have vhat he asked, and the other should have the same doubled. Then, lest if nore the good the other should have nore, the enrious man asked that on of his own eyes should be put out, so
that his companion might lose both of
his.-Spencer.

THE ILLUSIVE CHARACTER OF FAME
The young are often dazzled by ap lause and think that in becomin famous lies the secret of happiness Nothing could be farther from the truth than that. Emily Dickinson put it graphically and well in her littie

Fame is a bee,
It has a song-
It has a sting-
Ab , too, it has a wing!

THINGS THAT HINDER NEIGHBORLINESS Pride; for neighbors are often far elow us in social position.
Lusiness; for we do not always place frst our Father's business.
Sloth; for neighborliness requires
Timidity; for it needs a courageou
man to be a good neighbor.-Daily

THE MIGHTY HEALER
 CURED IN THE PRIVACY OF YOUR HOME



South=Western Limited

BOSTON, CINCINNATI, NEW YORK, CHICAGO,

## Big Four Route

NEW YORK CENTRAL,
BOSTON \& ALBANY, CHESAPEAKE \& OHIO.

Cafe, Library, Dining and Sleeping Cars.
W. J. LYNCH, W. P. DEPPE,

Gen. Pass. and Tkt. Agt. Asst. G. P. and T. A
cincinnati, ohio.
OIL CURE FOR CANCER
Dr. D. M. Bre has discovered a combination of oils that readily cure cancer, caHe has cured thousands of persons within He has cured thousands of persons within were physicians Peaders having friends were physicians. Readers having friends them. Book sent free giving particulars and prices of Oils. Address Dr. D. M. Bye, Box 25, Iudianapolis, Ind.


THE ONLY PERFEGT VK GINAL SYRINGE


RUPTURE

Coe's Eczema Cure $\$ 1$ at drugits.


HOW'RE THEY COMIN' WITH YOU? 1 started Tround the other da
To satisfy mysulf
How fast the euenal public
Was accumulating wealth. Was accumulating wealt I Interviewed, son sce, So now rilt the youl tell ron what
sume of then told to me. shoemaker said he was "pegging a way," A lawyer wald "lying low,"
doct ur wald making his money "dead easy 1t's the truth-they told mee so.
butcher managed to make "ends meat," The iceman had "struck a frost," poor fellow, I gness he's lost.
plckpocket was "taking tbings easy", While a baker was "loa fing all day
grocer told me, in contidence. That "things were going his weigh." And here, just to make a rlysme, moutb, And here, just to make a rhyme, Whe working, of comse, over time " hurglar said "times were picking up," But he had to work at night;
And even a poor hlind beggar sald
He was "doing out 0 - sight."
an ossitited man was having
An awful "hard time," he said, He was "doiug quite well-on the dead!"

A prima donna, who warbles,
Said "life weat by like a song said "life went by like a song;",
But a little soubrette 1 casually met Thas Jarels "getting aloug."
He "manared to get
He "managed to get along well," He had "clothing to burn or to sell."
asked a spiritualist how things were; "Jnst medium," he replied; A barber sald he was "scraping along," A fult theu curled up and died.

But it turned
said
she was doing "sew and sew.
Of, pardon me if, in conclusion, Of myself I modestly speakFor doing is digging out stuff like this For thirty cents a week.

- -גational Lanudry Journal.

TA SURPRISE BY TELEPHONE HE telephone is often the medinm casily be perpetrated. The following illustrates how a snsceptible youth He called up an East-end residence and asked if Miss Blank was at home. A woman's roice answered and told him that the yonng
lady was not at home. The soung man, howone, and the following conrersation went one, and the
orer the lines.

## "Tho is this talling

## "Well, who is it, anyway? If I don't know

 her I would like to.""Whare sure about that, are "Well, if yon'll promise not to say anything
about it, f'll tell you. It's the servant-girl, and a black one at that."-Cleveland Plain Dealer.

## HER POSITION

The congress of mothers was in session and the delegates were paying rapt attention
to the eostmme of the orator of the day, who was addressing them on "The Proper Organization of the Home," "The true home," in order that the diamond smminst at her
throat should be assessed at its full ralue throat should be assessed at its full ralue, any moling or directing body is. It should be a congress in which the swife is-"
"Speaker" of the House," came in mighty chorus trom the delegates, "rwhat js the use
of going to a convention if you do not know what sou waut?"-Baltimore American.

## HAD AN ANSWER

House hunter-"Seems to me this house we walk,
House agent-" $\mathrm{Um}-\mathrm{F}-\mathrm{e}-\mathrm{s}$; that's the new
kind of spring floor for dancing woul Kind of spring floor for dancing, you know.
House hunter-"And these stairs creak ter House hunter-"And these stairs creak ter
ribly."
Honse agent-"Y-e-s; we furnish this new patent burglar-alarm staircase without extra charge."

AN ADVENTURE
Three smart young men and three nice girls, All lovers true as steel-
Decided, in a friendly way,
Ther started in the early morn
Ant nothing seemed amiss,
Aud when they reached the leafy lanes
They in rode
twos
They wandered br the rerdant date,
Beside the rippling rill;
The sun shoue brightly all the whit
They heard the soug-bird's trill.
Thes sped through many a woodland glade,
And when they rested in the shade
Thersat likethis!
intwos.
The sum went down, and evening came,
A lot too soon, ther said;
Too long they tarried on the way,
The clonds grew black o'erhead
The clouds grew black o'erhead.
Down dashed the rain; they homewra flew Till one unlucky miss
Weareallmixeduplikethis!
-California Curio.
A SHILLING SAVED
At a certain cloth-factory in Scotland it was ing out bad work. One day a workman bronght a piece of cloth to be examined, and the maunger found two little holes abont an
inch apart. He then showed these to the inch apart. He then showed these to the
man and demanded two shillings fine, a shilling for each hole
"Is it a shilling for each hole?" asked the man.
"cs," said the manager
"And is it the same for erery hole, big or ittle?"
eractly the same," said the manager. "Well, then, I'll save a shilling:" and puthe two into one.-The Argongut (San Francisco).

## HARDEST PART IS OVER

Hodown-"I nnderstand rour wife insisted on drawing the plans herself for your new

Jigsup-"Yes; she's bnss orer there now." Hodown-"Oh, I thought she had finished.
she told my wife she had all the closets She told my wife she had all the closets
laid out." "Y Jigsup-"Yes; but now she's got to put
the rest of the honse around them."-Philadelphla Press.

## DIDN'T WORK

Smythe-"It won't work."
Brown-"What won't work?"
Smythe-"Hypnotism. Tried it on the butcher. Looked at him fixedly until I had lowly and with emphasis, 'That-hill-ispaid.
Brown-"And what did the butcher do?" Smythe-"He sald, 'You're a liar!'

BECAUSE
No more I hear his footsteps
No more to measmre off his tread
My pulses madly beat.
The joy and the expectancy
My heart no longer feels.
He comes-I know it not, becanse
-Harper's Bazar.

## SOLITARY GRANDEUR

Mama-"It is very naughty to tell lies, ETa
People who do so don't go to hearen."
Eva-"Did you ever tell a lie, mama?"
Eva-"Did you ever tell a he, mama?"
Mama-"No, dear, never!"
Era-"Won't ron be fearful lonelr in Era- "Ion't you be fearful lonely in ton?"-Exchange.

REFRACTORY
Mrs. Peterkin-"Without exception you are peterkin-"What have I man I ever saw." Mrs. Peterkin-"Why, I have had that new cough mixture in the house a month and you
haven't ouce caught cola!'"-Harper's Bazar.

## APROPOS

Manager-"What do you mean by nsing ram I?"'
Emplosee-"I know I am not the manager." Amplosee-"I know I am not the managr.r." the manager, why do you talk like an idiot $\%$ "

## THE USUAL RESULT

Friend-"Yon took four son into your es
fablishment some months ago to teaeh him fablishment sume months ago to teach him
the business, I understand. How did it turn out?"
Busine
Business man (fearily)-"Great suecess.
He's teaching me now!"-New York Weekly.


To be contented with BITS the same as to own the earth.- Lam's Horn. When a family gets to depending on "famny" it indieates that the brains have begun
to dwindle.-Indianapolis Journal. to dwinde.-Indianapolis Journa
two thousimalug a in has something like not wanted in the company he visits.-Los ton Transeript.
Professor-"(rive me the names of the bones
that form the human sknll.
Medical student-"l're got them all in ms
head, but I can't recall their names.
What has become of the old-fashioned seutiment that charged a woman with extrar-
agance unless she bought clothes for the ehildren that were too large?-Atchison Globe.
Conld any power the giftie gie us
To see ourselves as others see ns,
And ask, "Who is that stupid ape?" -Detroit Free Press.
"Some peopie," said Lncle Eben, "would like to be good-natured; but dey ain't smaht
enough ter git no one to listen to 'em 'ceptin' when dey's abnsin' somebody."-Washington Star.

A little girl drew a dog and cat on her slate, and said to her mother, "A cat onghtn't sis, so she could run away from the dog."six, so she
Exchange.
Freddy-"Ma, carpets are curions things, ren't they?
Mother-"Why?
Freddy-"'Cos they are bought br the rard
She-"Ilow that woman we just passed
He-"She looked pleasant enongh."
She-"That's all done'for effect; but if rou noticed she nerer turned to take in my new
"It's a shame," said the summer boarder, pen when you might turu it into a beautiru
lawn."
"Naw," replicd the farmer, who knew his business: "the pen is mightier than the sward."-Philadelphia North Americau.
Goodness! We'll miss the opera!" she said,
Impatiently. "Weve heen waiting a goor many minntes for that mother of mine." "Hours. I should sisy;" he replical, somerwhat acrimoniously:
George, this is she, ripturously. "Oh, upou his neck.-Standard 'limes.
Not much good gold did slie disburse,
Yet well she spent cacll golders minute.
She had a precious little purse.
And there was precious little in it
That was before she started ont.
She meant to shop; her means
She meant to shop; her means wern ample
For it was stuffed with many a sample
Chicago Record.
"TVe use the expression, colloquially.
of his head.' " the instructor remarked, '
describe a man's eondition when he is not in his rlght mind,
"beside himself.
"Ah, res." said the foreigner, who had mastered the langnage in its plainer forms
and had adranced to the study of idiomatic English. "And when a man ees out of ees head and beside himself it ees at such a time he eau cllmb up ou hees ear."-Chlcago Tribune.

EYESIGHT RESTORED
Failing Eyesight, Cataracts or Blindness Cured without the use of the knife.

it. He will then tell you just what he can do. He
will also send you Free of charge his 80 page book,
"The New System of Treating Diseases of the
Eye." It is full of interesting and valuable in
Eye." It it ifll of interesting and valuable in.
formation. All cures are permanent. Write
to-day for yourself or friend to
W.O.COFFEE, H.D., 817 Good Block, Des Moines, Ia, THE BOXERS OF CHINA
are attempting to solve a gigantic problem, but they are going about it in the wrong in this country seem to think that they have as great a puzzle on their hands in selecting a location for a home. They will certainly go about it in the wrong way unless they inspect the beautiful farining country on the line of the Chicago, Milwaukee \& St Paul Railway in Marinette county, Wiscon$\sin$, where the crops are of the best, work plents; fine markets, excellent climate, pure soft water; land sold cheap and on long time. Why rent a farm when you can buy one for less than you pay for rent? Address C. E. Rollins, Land Agent, 161 Ia Salle St.,
Chicago, Ill.
$\$ 18$ to $\$ 35$ WEEKVI MEN and WMEVV,


SALARYM Manciow \$9OOO AMD COLLECTORS


WATCH AND CHAIN FOR ONE DAY'S WORK


Rheumalism

LADIES1 Make Big Wages Make Big Wages

$\underset{\text { A-CORN SALVE }}{\substack{\text { const noth. } \\ \text { Send name and address on } \\ \text { ing to tryy }}}$

[CONTINUED FROM PAGE 11] WOMEN AND WAR
by blea wheleler wilcox
We women teach our little sons how wrong And how lgnohle hlows are; school aud church
Support our precepts, and inocniate The growing mind
Let dogs delight to bark and blte," w But human helugs with lmmortai sonls and waik with reason and with self-control. and then-dear God!
Strong men,
Our self-annoutuced superiors in hraln, Yon leap at one another, inutilate And starve and kill your fcliow-men, and ask
The world's applause for such heroic deeds. Yon boast and stint; and if no solng is sulng, No laudatory eple writ lu biood. Tellng how many widows yon have made, Why, then, perforce, you say our hards are
dead, And inspiration sleeps to wake no uore. And we, the women, we whose llves vou
What cau we do hut sit lin sllent homes And mait and snffer? Not for us the blare Of trampets and the bugle's call to arms
For ns no waring banners, no supreme, Trlumphant honr of couqnest. Onrs the slow Dead torture of nucertainty, each day The bootless hattle with the same despair, ears,
There reaches with thein to our pityling hearts ointe,
and other women weepiug for thelr dead. o men, wise men, supcrior beings, say, Is there no substitnte for war in this Great age and era? If you answer "No," Then let ns rear our children to be wolves,
And teach them from the cradle how to krll. Why shonld we women waste onr tinie and words

- 1


## SOME DELICATE DESSERTS

HOT weather one naturally seems too bad to spoil the ine seems too bad to spoil the fine
and delicate flavoring of the and delicate flavoring of the
fruit and lose its beneficial efect by mixing it with larcl and flour into a pie. Much
licious, as well as healthful, are the stewed fruits whipped up with whites of eggs, which can be so easily
prepared from berries, apples, peachos or plums. If fresh fruits cannot be procured, take dried prunes, apricots or peaches, wash thoroughly, and let them stand several hours in cold water; then they were soaked, and let them simmer gently until tender. Atter straining pulp the a sieve add to one quart of the ful of sugar, a pinch of salt and the whites of three eggs beaten very stiff. Serve ice cold with whipped cream and sponge-cake if desired.
Raspberry Sherbet.--Two quarts of berries crushed with two cupfuls of sugar. When the sugar has dissolved
add two cupfuls of water, pass through a sieve, add the juice of one lemon, and pour into the freezer. A variety of
other fruit-juices may be prepared in a similar way.

Ice-criaar with Eruit or Nuts.-To fourths of of thin cream add three and one teaspoonful of flavoring extract; then add one half cuptul of almonds or preserved ginger,
may be chopped, but not too fine.
Lemon Jelly.-To one third of a box ful of gelatin add one cupful of cold water; soak an hour, add one cupful of juice, one teaspoonful of lemon extract juice, one teaspoonful of lemon extract Stir until the sugar is dissolved, then set on ice until jellied and ready to serve.
Rasprerry Jelly.-To one third of a boxful of gelatin prepared as before
directed add one cupful of raspberryjuice, the juice of a lemon and one and one half cupfuls of granulated sugar. Stir until the sugar is dissolved, strain, set on ice until jellied, then serve. Jel-
lies may be prepared from nectarines, lies may be prepared trom nectarines, fruits in the same manner.
Fruit Salain.-A pretty fruit, salad quantity of lemon and making half the
with the yellow of the lemon to contras shredded oranges, bananas and pre erved cherries
Bavalian a boxful of gelatin in one half ciupful of cold water for an hour; then add one half cupful of hot milk and one table spoonful of granulated sugar. Stir un two-quart dish surrounded with ice and two-quart dish surrounded with ice and water, and add one eupful of cold cream and one teaspoonful of lemon or rosc Havoring. When the liquid begins to jell beat rapidly with a rotary eggbeater until it is very light, then ad the whites of two eggs beaten light to which have been added a pinch of salt and two tablespoonfuls of gramulated sugar. Chopped candies, fruits, muts macaroons or dry eake may be mixed with Bavarian creams, and in this way a great variety of them prepared.
Junket.-Into one tablespoonful of cold water in a cup drop a junket tablet and crush with a spoon, to dissolve quickly. In one quart of new milk disquickiy. ho one quart of new milk disolve four tablespoonfuls of sugar, and set the quart cup containing the mill in a dish of hot watcr. Be caretu to remove at once when the milk is lukewarm, for junket cannot be made
of milk that is overheated, and for this eason it cannot be made of milk that has been boiled or sterilized. Flavo to taste-one teaspooriful to a quart is sufficient-then stir in quickly the dissolved tablet, and pour immediately into junket glasses or a glass serving dish. Let it stand undisturbed on the table in a warm room until firm, like jelly, then put in a cool place unti eady to serve. Moving or stirrin junket while jelling spoils it. A tea poonful of liquid pepsin may be used poonful of liquid pepsin may be used when the tablet cannot be procured Junket when served ice cold with crean and sugar is a dainty dish for tea, and particularly grateful to invalids with
weak stomachs.
F. B. C.

## HOW NOT TO DO IT

However much bric-a-brac we may have in our parlors, however many lovely pillows and handsome rugs, let us not drag them to the in•ont porch now that the season has come for the long evenings out of doors, with family and friends about us
A certain amount of porch furnishing is desirablc and attractive, but it is sometimes carried to excess. I have
seen pillows of delicate coloring and seen pillows of delicate coloring and texture and rugs so handsome and ex pensive out on the covered porch that the owner must have lived in constant ain and a long. list of casualties be sides.

## If our porches and yards are to be

 used as places of rest and recreation, then beauty and simplicity should combine. There are plenty of hardy vines and flowers that are more beautiful for porch climbers and decorators than any delicate hothouse products. There are chairs purposely made to withstand every sort of weather; there are rugs and pillows that are not harmed in the least by sumshine or dampness, and only these should find a permanent place on the porch.There are extra occasions when the parlor furniture may be brought out, to nobody's discomfort; but in homes of wealth it is not unusual to transform living ifíto a place of luxurious appoint ments, so that one is in constant danger of breaking this, spoiling that or misplacing some artistically adjusted piece of furniture.
Here, if anywhere, let us live simply and come near to nature. There are as many household cares in rich homes as in poor, and when we leave them all to spend a social evening with our fam ilies out on the front porch, let it be a
real and not a pretended leaving of inreal and not a pre
door cares behind
Life has become too complex to fur nish our homes in old-time simplicity A hundred things are necessities to us which to our fathers and mothers were unattainablc luxuries. This is but nat ural and right in an age of progress; but let us hold to absolutely plain living so far as our porches go. Let us get so entirely away from indoor furnishings that a whole evening may pass without straighten the rug!" to the children

For our own sakes, as well as for nature and not for art-so called. And if we are so unfortunate as to have no front porch or side porch, let us deny, ourselves other luxuries until we have one, and meantime use our do
for the summer-evening parlor. for the summer-evening parlor.
We live too much indloors, and when we get out of doors we carry with us I pity the woman who cannot enjoy an aftcrnoon pienic without her rock-ing-chair, her pillows, her book and a place free from dirt, mosquitoes and all known discomforts. Luxury is good,
but roughing it is better sometimes. And so I pity the inmates of a home where even the yard and the porch have become conventionalized beyond the point of being retreats for perfect ex

## TESTED RECEIPTS

Musirooms witu Brown Sauce.-Select the buttons of uniform size; wipe
them clean with a wet flannel, put them them clean with a wet fannel, put them stew gently for a quarter of an hour. Stir in the following brown sauce: Put in a saucepan a heaping tablespoonful each of butter and flour, and stir them together over the fire until they are
nicely browned. Gradually add part of the liquor in which the mushrooms were boiled, add salt, pepper and a litthe grated nutmeg, then carefully pour over the "rooms."

Mushrooms witif Toast.-Toast may be served under them, using either the brown or white cream sauce; or the
sauce and the mushrooms may be sauce and the mushrooms may be
poured on a dish with broiled beefsteak or broiled chicken, or with baked or roasted tenderloin or beef.
Celery with Tomato Sauce.-Use the upper half of the celery; wash, cut into pieces two inches long, and cook in a colander, and for three cupfuls of stewed celery prepare a sauce with a pint of strained stewed tomatoesheated to boiling and thickened with a tablespoonful of flour rubbed smooth in a little water. If desired add half a cupful of thick cream. Turn over the celery, and serve hot.
ery, and serve hot. cupfuls of cold potatoes chopped rather fine add one cuptul of cooked celery minced. Put into a shallow saucepan with cream enough to moisten well,
and salt to season. Heat to boiling and salt to season. Heat to boiling, tossing and stirring, so that the whole will be heated throughout. Serve hot. Salsify, or Venetable Oyster.-Afslice the salsity; dip the slices into a beaten egg, then into fine bread-crumbs, and fry in hot lard. It is very good boiled and then stewed a little in mill a batter of wheat-flour, milk and eggs, cut the salsify into thin slices (first boiling it tender), put them into the batter with a little salt, and drop the
mixture into hot fat by spoonfuls. Cook until a light brown.

Ella Bartlett Simmons.
CATTLE FOR EXHIBITION
how they are prepared so as to look At the great show and auction sale held at Kan-
sas City last year upward of five hundred head of
cattle from the finest herds in the world were cattle from the finest herds in the world were
entered for exhibition and for sale. A visitor
gives the following accountof the careful metsiods
used in preparing the cattle for the show "Aftct theiring thip on cattle for the show ring:
"Andre many having come
hundreds of miles, they are more or less soiled hy the accmnulation, of cust and dirt on the skin.
The stock-yard staples are provided with large
wash-rooms, well supplied with brushes, scrubbers sash-rooms, well supplied with brushes, scrubbels,
scrapers, rubbers, coths and soap, thoughmany of
the more prominet breeders will use nothing but
their own brushes, etc. The animals are fist their own brushes, etc. The animals are first well
curried, then anl the loose dust and hair is brushed
out with a fine bristle brush. They are then copiously lathered from head to foot withe then
water and soap. When carefully scrubbed they
are rinsed with clean water, scrapecl, and rubbed
dry with linen cloths. dry with linen cloths.
The horns are polished by first scraping the
ough, loose horn with glass; they are then sand Thie horns are polished by first scraping the
rough, loose horlin with ylass; they are then sand-
papered rand rubbed with emery-poweer nntil they
glisten fike bnrinished brass, ater which they are protected by flannel-1ined leather covers made
pexpessly for each individual. When the polished
horns need cleaning it is don horns need cleaning it is done with Ivory Soap on
a damp cloth; then' they are agaiu polislied with a
strip of almost dry flamnel on which Ivory Soap
has been rubbed.


Paint Without 0il
Remarkable Discovery That Cuts Down the Cost of Paint Seventy= Five Per Cent.



TME DIsooverer of Powinpaint
it Powdrpaint. It comes to the fariner a
iowder, and all that is required is cold wate dry powder, and all that is required is cold watel dwoable as oil paint. It adheres to any surface-
wood, stone, brick and irou-spreads and looks
like oil paint and costs about one fonrth what the like oil paint and costs about one fonrth what the farmer has heretofore had to pay for paint.
Write to Mr. A. Lice . Rice. . Arsenal St., Wat
ertown N. $Y$. and he will send you a free trial oi





ASTHMA CURED WITH DR. TAFT'S ASTHMALENE
Notice to Club-raisers
Valuable premiums are given FREE for
Address Farm and Fireside, Springfield, Ohio.

## Sterling Silver Thimble <br> Given for a <br> Club of Three <br> 

T


 count of these things it costs about
twice as much as many of the orditwice as much as many of the ordi-
nary sterling silver thimbles on the nary sterling silver thimbles on the
market.
The thimbles are engraved in different patterns, but this cut repre-
sents them all quite well. Guaransents them an quite well. Guaranteed to be as represented and to gi
satisfaction or money refunded.
Meximititimic 7 Cents

## Given as a Premium for a Club of THREE Ye scriptions to the Farm and Fireside. Order by premium No. 91, and be sure to give the size you want.

FARM AND FIRESIDE SPRINGFIELD, OHIO

# Hail to the Chief-Honor Your Choice 



A genuine Ten-Color French Process Picture of either McKinley or Bryan, and the Farm and Fireside the remainder of the year, For 20 Cents
 style of illuminated printing, and either of them will be an ornament to any library or drawing-room. The pictures are in the natural colors, and at a short distance give the effect of GENUINE OIL-PAINTINGS. We are furnishing them cheaply enough to be hung in a window, and yet they are good enough to be framed and preserved for time to come. The photographs from which the pictures are made having been taken for that purpose and approved by the respective candidates, are remarkably good likenesses of them as they appear at the present time. They are the most popular campaign art souvenirs. Every American, Republican or Democrat, should have in his home the picture of his party's chosen leader.

The pictures will be sent by mail, post-paid, securely wrapped on a tube, and are sure to carry in good condition. Send in your order to-day, as the demand for these pictures will be enormous.

We Will Send the Picture of Either McKinley or Bryan, and the Farm and Fireside the Remainder of the Year, for . . . .

## 20 Cents

> (NOTE-When this offer is accepted no commission is allored and the name does not count in a club)

ORDER THE McKINLEY PICTURE AS PREMIUM No. 639
ORDER THE BRYAN PICTURE AS PREMIUM No. 591

# Che Standard American Cook Book 

AND THE FARM AND FIRESIDE ONE YEAR, FOR 40 CENTS

This Cook Book contains thousands of the most valuable recipes and desirable formulas by noted experts and over two hundred practical housekeepers. It covers every branch of cookery, with special directions for serving at table; also preserving, pickling, candy-making, etc., and ten more chapters of helps.

Plain and Fancy Cooking in Great Variety A TTENTION is called to the unequaled variety A characterizing the recipes in this Cook Book. Practical housekeepers consider this one of the Practical housekeepers consider this one of the it to universal use, and suiting every occasion, from a simple and inexpensive home meal to an



The only Amply Illustrated work on the cuisine within reach of the women of America. Nearly 400 large pages. Premium No. 10

This is the Cook Book You Want B CCAUSE its plan includes the valuable and usetrox it has inestimable features of its own entirely new. For regular use it will give you the best of satisfaction as a clear, safe, reliable, economical kitchen guide, with an abundance of good things to choose from. It far surpasses all others.


## More

Than 250
Explanatory Illustrations
This Book Given FRE
 AKING clear at a glance important processes in plain and fancy cooking. To show HOW a thing should be done amounts to far more practically than any mere bidding do it. Once accustomed to the pictorial object-teaching methods of this thorough and comprehersive work, no lady will be willing to go back to the unsatisfactory directions of other cook books. This Cook Book has a complete index.

This Grand Book, and the Farm and Fireside One Year, for

## 40 Cents

(When this offer is accepted the club-raiser may hav either the regular
counted in a club.

Order Premium No. 10



FARM SELECTIONS some apple-growing in kansas deavor. The man who scores a success in his particular line of legitimate unof his community and is a working of the world.
$\qquad$ many wortlyy examples of surmounting ments, and of the final triumph of the
sturdy, persevering pioneer. Many are
the the experiences related, showing the
marvelous possibilities of the country den backed by level judgment and One man's requirements often happily cumstance effected the beginning of the the most extensive commercial orchardlinown as the "apple king" of Kansas, and the story of his eminently successinspiration to all who read it. Something of it is related here by Mr. F. D. The year 1575 found Mr. Wellhouse definite knowledge of tree-growing and oreharding in Kansas, açuired by years of tical experieuce, and full of faith in the possibilities of the state for fruitthree tracts of 437 acres of land which was not profitable. Mr. Wellhouse
closed a contract with Mr. Wheat to plant this- 160 acres near Fairmount, enworth county, and 160 acres in Miami county, near cardner-with apple-trees. 'these lauds had cost Mr. Wheat, with
improvements, about $\$ 10,000$, and could be rented for perhaps $\$ 1$ an acre. He that part of it uot previously in cultivation), erected buildings for tenants, dug wells, ete. Wellhouse \& Son (the
firm name) furnished the trees, planted cultivated and took care of them until they came into bearing, getting all grain ghe trees, and paid taxes for the first five years. After that Mr. Wheat paid taxes and each party was to bear ceive one half of the income until Wellhouse \& Son should receive fitteen bushels a tree, or so long as the trees
might bear. The Glenwood orchard was planted in the spring of 1876, the
Miami county tract in 1878, and the eties as follows:
Glenwood tract ( 117 acres)-Ben Da, 60 acres; Winesap, 16 acres; MissouMiami county tract ( 160 acres)-Ben Davis, s0 alcres; Missouri Pippin, 42 Fairmount tract (160 acres)-Ben Cooper's Early, s:acres; Maiden's Blush,
$\qquad$
$\square$

## SHEEP IN TOO LARGE FLOCKS

 Mr. Hi. E. Rice says: "On the stockanges and ranches of the West the flocks rum into thousands why not here?" He will no doubt find it practicable to keep a flock of several thouon the deserts of Australia, on the fertile pampas of South Americal, and, as he says, on the ranches of our great Western plains. Where land and pas-turage, cost nothing more than the labors of the shepherd the flock-master can afford to lose a large percentage of
his flock and still make the business his flock and still make the business profitable, but in Ohio and l'entusylva-
nia. where the conditions are entirely different, such losses would be ruinous. Daniel sterling, one of the largest sheep-raisers in northern Pennsylvania, found it necessary to leep his sheep in small flocks of not more than a hun-
dred, and each flock was pastured iu a dred, and each flock was pastured iu a sheltered and fed in different barns and sheds during the winter. The different flocks were never allowed to congregate together, to crowd the weak,
Lack of proper winter care and insufficient food will no doubt hasten the development of disease already brooding in the system. and the general debility produced by starvation and exposure will produce disease. As the rast amount of combustible materials col-
lected closely in the compactly built city furnishes the fuel for a great conflagration, so a multitude of animals in one flock furnishes a favorable field for
The Rev. G. D. Carrow, missionary in South America, said of the great herds of sheep on the pampas: "If flocks exceed one thousand or fifteen hundred the proportion of loss in lambs is largey increased. The very young and feeble lambs are much more likely to lose nourishment, or be trodden to death beneath the feet of the older and strouger sheep." Thus it appears that large flocks not only breed disease, but there is a creat increase in the loss of lambs. -J. IV. Ingham, in National Stockman.

DAIRY PROSPECTS IN CUBA
The most attractive industry in Cuba is dairying, and if some of your readers who are getting only one and three sell out, come quart for their misk were, and start a sell out, come down here, and start a
modern dairy near Harana, they will make fortunes, and confer a blessing on the Havanese. Milk now sells in Harana at twenty cents a wine-bottle (about one fifth of a gallon); it is sold principally to the cafes and in families where there are babies to rear. It is
an unknown article among the poor. in unknown article among the poor. As a substitute there is an enormous is retailed at thirteen cents a can. I
find lately that the market has been flooded with a welt-known brand made in the States, but on using it $t$ find it has been put up especially tor this trade; it is very thin, and not nearly so good as now, in the States. This has probably been brought about by competition here, the importer demanding a lowerpriced article, and the producer being and put up an adulterated article under well-known standard brand. The local milk is mostly produced in stables located all orer the eity; the corrs are
supposed to be driven into the country every night and brought back in the morning in time for milking. supply is brought from the thing like a wad of corn-husks for

## a stopper, and $f$ doubt mulnch whether

one shudders to think of the germ that may be hatched therein. Deration
thonght of. When received from the milknan it is immediately boiled, ani asually plentifully salted. In a country a million inhabitants, with milk selling at tiventy-five cents a guart, a practical dairyman who can't get rich has something the matter with him. With few hives of bees his would really be Rural New-Yorker.


HAT is the value of that a paint will last if at the end of the time it must be burned or scraped off before you can repaint.

The only paint that presents a perfect surface after long exposure, without special preparation, is Pure White Lead. Employ a practical painter to apply it and the result will please you.
P1 For colors use National Lead Company's Pure White Lead Tinting Colors. Any shade desired is readily ing samples of colors, also .pamphlet entitled "Uncle Sam's Ex-
peitience With Paints" forwarded upon application. a guarantee f paint will last if at the end $\underset{\text { ecishtens }}{\text { anchor }}\}$ Cincinaatl. atlantic

bradlet | BRADLET |
| :--- |
| BROORLYN | BROOKLI

JEWETT
ETEE ULSTER
UNION southern shipman $\}$ Chicago COLLIER $\left.\begin{array}{l}\text { MISSOURI } \\ \text { RED SEAL }\end{array}\right\}$ RED SEAL
southern JoHn T.LEWIS \& BROS CO MORLEY sALEM Cleveland. CORNELL Buffalo.
$\qquad$

National Lead Co., 100 William Street, New York.

## BUCKEYE Sisis buil dill


 SABUCREYYE*


 The Advantages afe the complete opplied toa drill of he
furrow for receiving the seed. The

P. P. MAST \& CO. 17 canal st,, spanco EIELD, ohlod


EVERY DAY IN THE YEAR.


The Kemp Manure Spreader day in the year. It will earn the interest on the money every day it is used. Spreads all kinds

Kemp \& Burpee Mfy, Co_, Box 17, Syracuse, $\mathrm{N}_{\mathbf{2}} Y_{0}$ Artistic monuments
 Marble is entirely out of date. Granite soon rets moss-grow Marble is entirely out of date. Granite so
discolored, requires constant expense and
crumbles back to Mother Earth. Besides,
$\qquad$ ZUbite Brollze is strictly everlasting. It calnot crimbl) impossibility. It is more artistic than any stone. Then why lut
investigate it? It has been adopted for nearly one hundred publi Che inonumental Bronze \&o. 347 HOWARD AVENUE
BRIDGEPORT, CONN.

## Ohoicest Fruit and Ornamental Trees.

## Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Oreenhouses

 THE STORRS \& HARRISON CO., Painesville, 0.

$\qquad$ LOW PRICE!
DURABLE! FIRE, WEATHER, and Lightning Proof

## Black, Ryintad or orgizinized metal POOFING

Metal Ceilings and Side Walls



Vol. XXIII. No. 24
EASTERN
SEPTEMBER 15, 1900

TERMS $\left\{\begin{array}{l}50 \text { CENTS } \\ 24 \\ \text { NUNBERS }\end{array}\right.$

## HOW CHINESE FARMER MARKETS CROPS

Lack of Transportation Facilities the Chief Difficulty

Br. WILLLAM N. BREWSTER

8ow noes a Chinese farmer dispose of his erop aiter harvest? In sevel al respects he does much as the Amer can tiller of the soil; he holds it for a better price if he can afford to, or sells it at once if he cannot help himself, or he feeds it to his pigs But he generally does what few American farmers would think of trying-he eats most of it. Most cultipators of the soil in China have small holdings, or rent only enough to pro ance food for themselves. nce food for thensels The family harrests its le crop, threshes it out by hand, carefully dries it in the sunshine upon the threshing-floor,
and stores it in bins in a bedroom of and stores it in bins in a bedroom of the house. The rice is cleaned by the women, a little at a time, as used. Even
the wheat is often ground and bolted daily by hand and eaten as a mush that is much like paste. They say it is more "filling" that way than when might be both filling and lasting! Such a family has little grain to sell, and their wants are few. The women spin and weave all the clothing worn, so the only cost is for the rary cost is for the raw
cotton. They have almost no variety of diet. If the of diet. If the
fields produce rice they eat rice; if sweet-potatoes, they eat tubers A small gardenpatch furnishes radishes, garlic onions and vari ous other vegeta bles. While their crops are growing the men get what work they can carrying burdens, and thus earn a little cash for current expenses. The family that owns family that orn fields enongh to food is considered well to do.
But there are many who have a small margin of their crops to spare. Like the Anierican farmer they often feed rather than sell it. But excepting a few fowls, pre paring live stock for market is con


Government Granary at Hinghua, China
cooking the food is econony for beast as well as or man
Though he raises pork, the village farmer eats very little of it. How can he afford to when one pound retails for a sum equal to a day's wages for skilled labor? Here is food for reflection for the Chior re union workman who cago union workman who strdes for shor How would nid more pay. How would he like toiling from claylight to dark and on his way home spend all he had earned buying one pound of raw pork? That was a wise man who defined civilization as the "multiplication of man's wants." It is well for the Chinese mechanic's peace of mind that his wants are few. And this high price for pork goes almost entirely to the producer. There is no Chinese Phil Armour to monopolize the market and take the pig's share of the profits. The difference in price between live hogs fined to fattening pigs. Cattle are not boiled sweet-potatoes, though rice and and raw pork is only about twenty-five raised for food in South China to any other cereals are used when the potato per cent. The butcher's bill is a light extent. A few are killed and eaten supply is exhausted. The pig has much one. The farmer here in Hinghua can when they get sick or become useless the same diet as his owner. Often the sell his fat hogs at his own door for for draft purposes. This is the faint only difference is that the pig never as much as he conld get for them in shadow cast upon the present religious grunts in vain for more, while the chil- Chicago. The time will come when sentiment of China by the ancient dren sometimes go hungry to bed. The. Western pork will be shipped to China Buddhist superstition regarding the Chinese pork-raiser knows he cannot along with American flour and cotton. sacred character of cows. One chief afford to let his pigs run down. He has But there are comparatively rich men advantage of feeding is that the soil learned by long experience exactly in China who collect large grain-rents, does not become exhausted so rapidly. what it will cost him to get each head A bedroonl of the honse is turned into pig-pell The most conmon ready for market. "He found out cenand hold them for high prices, and upon a small scale manipulate the market just as is done in the grain-pits of America This is rendered less difficult because of the impossibility the impossibility of transporting grain profitably except on the waterways. Only a small per cent of the farmers have any grain to sell; grain guilds in each locality have great power to push up the price n seasons of threatened scarcity.
To prevent this mischief the government has public granaries in many official centers, where the nandarin in charge stores rice, and when merchants and rich landed proprieors seek to raise the price the public granaries are opened and rice is sold in limited quantities to each purchaser at
[Concluned or
page 6]

FARM AND FIRESIDE The Crowell \& Kirkpatrick Co.


 TERMS OF SUBSCRIPTION
One Year $\quad$ (2 + Numbers) One Year
Six Months

## rates inulude envers) payment $\quad 50$ Cents eriptions connulience: win 



| Payment, when sent by mant, sliould be made in Fxpress or Post-ofice Money-oriers, Bank checks Dratts. WHEN NEITHER OF THESE CAN BE PRo. corkn, send the money in a registered leter. All postunasers are required to rebsiser leters when- ever retueted to do so. Do NoT SEND CHECKS OX <br>  wear a hole throusll the euvelop anu yet lost. <br> Postagestamps will be received in payment for sub- scriptious lin sums less than one dollar, if for every <br>  <br> The date $\square$ <br> 1990; Novil900 to suseription is paid up to Oct ober, <br> it means jour time is out and is in in invitation to you <br> When money is received, the date will be clianged Whthly four weeks, which will answer for a receipt. it is a renewal. If all our sulbseribers sill do this, a great deal of troulle will be wooidect. Also give your <br>  name, just as it it on thit labiel, to your letter of reneworl. Always name your post |
| :---: |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

The Advertisers in This Paper We belleve that all the advertisenents in this paper
are from reliable firms or business men, and do not
intentionally or kiowingly linsert advertisements from are from reliable firms or lusiness men, and do not
tntentionally or kuowingly ynsert advertisements from
any tnt reliable parties; if subscribers find any of them
to be otherwise we to be otherwise we shoulld le glad to know it. Always
mention this paper wbien answeriug advertisements, as advertisers often have differeut things advertised
in several papers.

## 

I AN article in the "Forum" for Sep-
tember ou "Cotton-seed" Mr. E. L. Johnson says:
"Time was when the cotton-seed was the least of all seeds in public estimation. It still holds a place far below its intrinsic worth. but it bids fair to
become in the future by its merit the become in the future by its merit the
greatest of all. Its romantic history is greatest of all. Its romantic history is now so well known that it is not neces-
sary to dwell upou it or to state how an agricultural product which farmers were once glad to dump into a river, if
one flowed conveniently near, has become worth thirty cents a busheltwenty dollars a ton-on the banks of the Mississippi itself

This remarkable progress has been gained only by a hard and constant struggle against iguorance and prej-
udice, andagainst the opposition of competing products, which were regarded as primary crops. The cotton-seed was
regarded as an impertinent by-product, interfering with the markets for cereals. At the same time it was admitted that all competition between the cereals should be free and unhampered. But now those who have been accustomed
to look upon the cotton-seed as a mere 'by-product of the cotton-field' urust alter their point of view. Let us com-
pare this so-called by-product with one ot the cereals:

|  | Proters\| |  | Fat |  |
| :---: | :---: | :---: | :---: | :---: |
| Wheat | 11.87 | ${ }^{73.69}$ | 2.09 | \$1.00 |
| Cotton-seed. | 17.57 | 10.82 | 20.19 | 139 |

"The above table gives the number of pounds of tood compoucnts and the
analytical value of one hundred pounds each of wheat and cotton-seed, according to the methods, in use by the agri-
cultural experiment stations. It shows the surprising fact that. pound for poond, cotton-seed has a greater in-
trinsic value than wheat. Neither is the bulk of the cotton-seed crop by any means insignificant as compared with
wheat. There are raised in the Southern states alone five sevenths as many
bushels of cotton-seed as there are
raised bushels of wheat in the whole of the United States.
"In spite of all the criticisms. just and unjust, of Southern agricultural methods, the yield an acre in bushels of cotton-seed, over and above the fiber, is greater than the yield of wheat an and it is increasing. The reports
the United States Agriculture for the season of 1897-98, the latest obtaiuable when these calculations were made, place the arerage yield an acre of cotton-seed at fourteen
and nine tenths bushels, as a gainst thirand nine tenths bushels, as against thirteen and forty-three hundredths bushels for wheat. They are given more in detail in the table below
acreage and yield of cotrox-seed

|  | Acres bushels | Yield $\operatorname{ANACrE}$ |
| :---: | :---: | :---: |
| Wheat | 39,465,000 $339,000,000$ | 13.43 bushels |
| Cottol-seed. | $24,319,500363,261,000$ | 1.9 Dushels | independently of the cottou fiber.

"Although the cotton-seed has been alinost obscured by the far more showy cottou crop, it has nevertheless been proved by recent investigations to cotton crop when fully aud properly put to sucle uses as are already known put to suche uses as are alreade value
for it. There is a kuown lateut value for it. There is a cruown lateut value
in the cotton-sced crop of $\$ 200,000,000$, cqual to four cents a pound on the entire cotton crop, which is still amually lost. Little real scientific study and little close economic thought have been given to this modest article as yet; but when they are given to it to the same degree as they are giveu, for instance, to petroleum or iron or sugar-beets products may be discovered which may make the cotton-seed crop a more valuable oue than the cotton crop.
"It is worthy of remark that the cot-ton-seed as an article of utility and value sprang into notice only after the Civil War. Unlike cotton, it had no historical connectiou or intimate association with slayery or the war. It has never made the boastful claims of King Cottou, yet it has contributed far more
to scieutific agriculture and to the to scieutific agriculture and to the
study of economics in the cotton states than cotton. In the four hundred or more mills engaged in "crushing' cotton-
seed the freed uegro has found ready seed the freed negro has found ready
employment; and he forms niue tentlis employment; and he forms nine tenths day. In its beneficent influence over the South the cotton-seed has indeed been marvelous."

I ar address before the National Ed1 ucational Association recently in
session at Charleston, S. C., Booker T. Washington said:
"Every white man in America should make an especial effort to deal justly and generously with the black race. In doing this you will not only help the negro, but you will help yourselves. It is easy to treat those who are our standing with instice generosity and standing with justice, generosity and
politeness, but the time to find the true politeness, but the time to find the true
worth of an individual is when he is in contact with au unfortunate individual contact win an unforate individual or race. Any one can stand for the
right when the world applauds, but real right when the world applauds. but real
courage is tested by standing for the courage is tested by standing for
right when the world conderuns.

No race can ever be redcemed through any form of oppression-by
withholding or withdrawing withholding or withdrawing opportuni-
ties. It should be our central idea to ties. It should be our central idea to
extend and broaden privileges as fast as the race shows itself capable of rightly exercising them.
"One of the hardest lessons for a race, like an individual, to learm is that the way to permanent success is the mas-
tering of the liftle every-day commontering of the little every-day commonplace opportunitics that are right about stepping to the using of these as a The race, like the individual. that learns this lesson may be retarded, but never defeated.
dividual is torth of a race, like an inor not it is able to make itself of sucl value to the community in the activities
of hand, head and heart that the pres hould be the race is indispensable. It negro to make himselt not a burdeu, but a helper; not a receiver, but a giver not a destroyer, but a producer
"With the prodigious industrial deelopmeut of the south the negro has a golden opportunity. In every corner the South let it be the aim to give highest intelligence in agriculture, the racles, the domestic arts, as a found ion tor citizenship. These will consti tute the groundwork for will consti more important occupations as the world judges.
"But we as black people, and you as white people, should remember tha mere material, visible possession, how-
ever important, will not alone solve our ever important, will not alone solve our
problem, and that education of both problem, and that education be a failure unless we keep constantly before us the fact that the final aim of all education, whether in dustrial or academic, is to produce goodness of heart, honesty of purpose and that generosity of soul which will make us seek the elevation and freedom of all men regardless of class or race.'

T
ine National Afro-American Council recently in session at Indianapolis as tollows:
"Let the Afro-Americau people stand nflinchingly by their suffrage rights unfinchingly by their suffrage rights.
It is a life and death struggle. We regard it as an immoral and unprec edented construction of the fourteenth amendment to covertly seek to rob a amendment to covertly seek to rob a
large uumber of the citizenship of this country by state nullification of the precious rights guaranteed to them by the fourteenth amendmeut.
"We are not opposed to restriction of. the suffirage rights by any state, by property or educational test which shall apply to all citizens alike, but we maintain that the state constitutions of Mississippi, South Carolina, North Carolina and Louisiana, enacted by a minority of the citizens of those states without submission for ratification to the people, confessing thereby that the the people, confessing thereby that the
action would not receive the approval of the people, are immoral in their purpose, in contravention to positive guar antees of the federal constitution, and in direct violation of the reconstruction acts by which those states were read mitted into the Union."
$\mathbf{A}_{\text {t ay official banquet in Santiago de }}^{\text {Cuben in honor of Governor }}$ General Wood, Senor Tor Governor tary of State, in the course of an eloquent address said
"This is a moment when political contentions should be set aside. The issue is national. Cuba is about to obtain what three generations bled for, and if the constitutional conrention is not what it should be the noble dead will rise to demand that their blood shall not have been shed in vain. The curse of the mothers, wives and daugh ters of those who fell would be upon us. We should bear in mind that the sea of the tears of Cuban women is far deeper than the sea which bathes our island shores. If we fail in this convention we shall be uuworthy of the blood that we shed at El Caney and at San Juan hill. General Wood is the true friend of Cuba, and I can certify to it. The United States government is ppeal to you all to send to the convention the best and most capable uen among us, and thus to show to the world that Cubans are worthy of the confidence placed in their capacity for self-government

In his reply General Wood said:
I am here as your friend, and in no other capacity. Everybody in the Cnited States was astonished at the satisfactory way in which the municipal elec tions passed off. President Mchinley personally asserted that he thought the time for the next step had come. Whatever the ultimate destiny of Cuba may be, her immediate future is independence. This is no political move on the part of the United States, but a sincere desire to do what is right. Therefore I beg you as a persoual favor to me
and to the United States govermment to ink your political differences and pastion who are renowued for honor and capacity, so that the convention may mean more than the Cubaus even now anticipate.

Again I say, send the best men. The Work betore your representatives is
largely legal work. I care not what your party politics are, but whatever they are, for the present party considcrations nust be suspended for the sake of the great end in riew, the end that will make history and effect the weltare of all Cuban people.

## A minam in

Ou November 22,1895 , I wrote to the Marquis of Salisbury, and pointed out that during the ten years of 1885-94 the country has spent $£ 320,000,000$ on imported wheat and flour, aud that the importation of flour instead of the equivalent in wheat had resulted in a loss to the couutry of $£ 18,000,000$. His lordship's secretary replied that the matter would receire consideration.

It appears the matter has received but inte consideration, because since office we hare lost over $£ 7,000,000$ by importing flour instead of the equivalent in wheat
"Were the importation of flour prohibited we should obtaiu much employment for our workers, better bread without any increase iu the price, as our flour would be more freshly ground, be reduced we should receive millions of hundredweights of wheat offal we now eave abroad, should raise meat at a cheaper rate, more stock would be kept, and there would be an increase in our home-made manure, which would cause a considerable increase iu the crops of the farm.
"If we had imported instead of any flour the equivalent in wheat we should hare saved over $£ 25,000,000$ during the losingen jears. But we are still imps about £ $1,500,000$ each year -hy alent ing flour instead of the equint offals abroad and have to buy substitutes for feeding our stocli. Thus we suffer a double loss; we leave abroad something we require, and buy something else to take its place.
"Although our present government has been in office five rears, and should have kuown the facts, they have done nothing to stop our annually losing an enormous sum of moner, when the nation would gain so many inclirect advantages were the importation of flour prohibited.'

The writer has clearly set forth some of the reasons why the United States should export flour instead of wheat. He has pointed out our adrantage in sending the finished product. Not ouly loes the export of flour instead of wheat furnish profitable employment to our own workers, but the by-products cau be turned into another finished product at lome, and we can export meats instead of crude waterials to be fed to animals abroad, and thereby lessen the transfer of soil fertility trom this country to Europe.

I An article on ingredients of oleo"It is not inoards "Dairyman" says tem which we have called hog-oil is given as 'neutral lard' in the official tables, aud that the euphoniously named 'oleo-oil' is of extremely uncertain origin. Then there is the iteun of butter-oil,' which is reported to be used quite freely. It is a new term and not a recognized product in the markets. It is probable that this butter-oil is extracted from a conglomerate ruass of what used to be termed store butterthe dirtiest, rankest, rancidest accumulation of fat and dirt that can be imagined. This product, known on the market as grease, is boiled and chemcally clarified, and comes out as socalled butter-oil. and is a fit companion for the product of the rendering departments of slaughter-houses, where offal is turned into commercial products of various kinds-notably oleo-oil"


Exaggerating for

## Advertising Purposes as favoring the

 surplus cockerels into usetul aud aluable capons, but 1 do not like to see a good-enough cause strengthened by exaggerated statements. The advo-cates of caponizing, and especially the makers and sellers of caponizing instru ments, in order to boom the business are in the habit of telling how much larger and heavier a capon will grow than a rooster. Some, of course, do this ignorantly. They may be experts in making tools, and able to make most excellent and serviceable ones, but they are not poultry experts, and possibly have never seen the operation of capontheir observation after it was operated mpon. Theoretically a capon should grow 'faster than an unaltered birc, and mauy of our dealers in caponizing
sets may believe this to be so. But it is not, just the same. Things are often is notically different in practice from what we reason them out to be. One published the results of some experiments in the comparative growth of capons and roosters, and states that the bird neither gams nor loses in
weight to any appreciable extent by being eaponized. This is no news to me, nor can it be news to anybody who has read what I have written on this subject for this paper during the past three or four years. 1 have never been size than a healthy rooster. But there is oue point in taror of the capon that is seldon mentioued; namely, that the capon produces his flesh and the great tor consur ter consumes and needs in order to hold
his weight. It is true that I know of no systematic experiments in this line put on record. But such experiments should be made, and I hope that one or
the other of our stations will take this the other of our stations will take this
up and show us how much we gain by operating on our surplus cockerels. Grain costs money. If we can save a portion of it by feeding it to capons rather than to roosters, besides making the flesh worth two or three times as much, why should we not do it?

Capon-making How easy a delicate job have lost your fear of it! When operating on cockerels I used to do so
with a good deal of apprehension, not with a good deal of apprehension, not
amounting to tear or dread, but certainly to lack of complete ease of mind. I was brought up to consider such operaI have lost all this in a measure crnel mental feeling. I would just as soon pertorm the operation as not, and har ing lost this unensiness I can do it first I would have a bird die under my hands now and then-maybe one in twenty. Now I can almost guarantee the satety of every bird, and yet I do
not take near the same precaution as formerly. I just open the bird, remove the testicles, then simply put it down again, and let it run with the rest of the fowls. Usually it will at once hunt for food pretty lively, and often make it quite hot for the grasshoppers.

The cyclopedia The second rolume of Horticulture of clopedia of American Horticulture has come to my table The range of this is from $E$ to $M$, and brings the number of pages of the cy-
clopedia to over one thousand. It is a grand work, no doubt. Each leading subject is treated by a number of
experts, each presenting his special experts, each presenting his special
branch or phase of culture, etc. Mr branch or phase of culture, etc. Mr.
W. W. Rawson, for instance, treats on lettuce-forcing, and I quote the following timely information: "For the first early erop to be grown in beds or
houses the seed is sown in the seed house about August 20th in the lat-
itude of Boston. By this means the lettuce will be brought into market the latter part of October or the first of November, after the frost has spoiled the outdoors crop, and thus it often is made in a bood in the house sowing for the purpose with sterilized soil, so for the purpose with sterilized soll, so
that there will be no fear of rusty root that there will be no fear of rusty root
or mildew on the plants. The soil or mildew on the plants. The soil eneul and beat up very fine, with no manure or fertilizer. For every ounce of seed prepare a space six feet square, raking off the bed as smooth as possible. Sow the seed and then sprinkle the bed with water. Then sift on one fourth of an inch of either sterilized or clean subsoil, preferably the latter. In about four days the plantlets will appear Three weeks from sowing the plantlets will be ready for transplanting. This should be clone at the proper time; that is, before the plants become too large. Prepare the soil the same as for the Prepare the soil the same as for the
seed-bed. If three inches of the ster ilized soil, or some new soil that no let tuce has been grown in, can be had, it-will be sufficient. Transplant the t-will be sufficient. Transplant th ettuce four inches apart in sufficien quantity to set out the prepared space In three or four weeks these plants wil be large enough again to transplant into the bed or house intended for them. Sterilizing is done in a box five by four feet and three feet deep, with everal punctured, steam-pipes in the bottom. The soil should be heated to two hundred degrees.
"In preparing the bed for the last transplanting the soil should be wel wet before working, and then let stand uutil the water has all drained off, which will be in about twenty-four hours. Now put in stable manure worked fine, with the first heat out of it, which is secured by piling and overhauling twice a week for two or three weeks before using. Apply this pre pared manurc about three inches deep and dig into the soil to a depth o twelve to fifteen inches. Rake off, and mark with the marker eight inches apart. If the soil is new no sterilization is needed; but if old, would prefer about two inches of the top sterilized This is done to prevent the mildew and disease that often comes from old, worn-out soil. If the bed is properly prepared it will need no watering. If the plants are large they may need to be sprinkled immediately after setting the last time. No more water is required until they begin to mature." Mr . Ravson recommends for this purpose the Boston lettuce (Boston Mar ket), and offers in his catalogue a good train of this uuder the name "Rawon's Hothouse," I believe. Altogethe he is as good an authority on fancy lettuce as we have in America

## The Fruit Outlook A pretty large crop

 ssured. I had a moderate crop of fin early apples, such as Oldenburg, Early Harvest, Red Astrachan, etc., but unfortunately I could ńot get an acceptable price for them, and was so discouraged about it that I gave orders to leave all the summer varieties that are not yet gathered on the trees until a change occurs in market conditions. I have other fine sorts now ripening on the other fine sorts now ripening on the rees, but hare no chea what to coo wh mand for Twenty Ounce, Gravensteins and other fall apples is yet an open question. Usually these sorts have sold well. In regard to the crop of winter reell. In regard to the crop of winter apples the reports are yet conflicting. thought that the crop all over was to be much larger than the phenomenalone of'1896, but my friend J. S. Woodone of 1896, but my friend J. S. Wood-
ward, of Lockort, who is himself a large grower of fruits, assures me that he finds less winter fruit in the orchards wherever he has traveled than was found four years ago. I hope he is right. Nothing is more discouraging than to have to gather a big crop of
fruit, and then receire less money for it than it costs to put it ou the market.
The great overstock of peaches and the great overstock of peaches amd improve the demand for apples. Barrels are now being offered to me at thirty cents apiece. I am not going to buy a barrel if I can help it, but I shall try to dispose of my fruit as I have
done for several years; namely, sell it in done or several years; namely, sell it in will probably not be very large this year, while Spys promise to be especial
ly fine.

## SALIENT FARM NOTES

Politics A few days ago I sat down beside a young farmer, a stranger to me, and after chatting about drifted into politics. He seemed so onesided and positive in his opinions that I asked him what sort of papers he read. ILe named two partisan papers of the extreme "yellow" type. "Are they the only ones you read?" I asked.
"Yes," he replied. "They are good papers, and belong to my side, and I like em first-rat paper if I was paid for it! They don't hare anything iu 'en but lies!
Then he launched forth into a tirade of abuse of the president of the United States, ascribing about all of the evils on earth to him and his party, even expressing a wish that somebody would before he made' himself emperor and all the people slaves!
I remarked that the empire, emperor and imperial stuff published was the silliest sort of nonsense, and that the editors of the papers he was readiug knew it, but they published it to please their patrons and catch "suckers." If he instead take a couple of good agricultural journals, he would get more infortural journals, he would get more infor
mation in six months that would be of mation in six months that would be of
value to him than he would get from value to him than he would get from further reminded him that he is part of this government, and a government like this cannot be better than its people. If he advocated good government and a proper respect for our officials his example would naturally lead others to do the same, and his influence would be beneficial instead of prejudic ial. If all our farmer friends would learn to investigate these things for themselves instead of being led hither and thither by partisan journals and well-paid "spell-binders"--determine to consider their interests and those of the whole people paramount to those of any set of professional politicians, and any set of professional politicians, and would find no abiding-place in the farmer's home.

Cooking One of the first farmers worked for when a boy would out notice" and up to a wagon "with with the work and look out for anea and the stock, take his wife and drive into an adjoining county to visit his rel atives, often remaining away a week at a tinue. I then knew very little about cookery, and consequently fared rather poorly, but I made up my mind that if ever the opportunity came I would learn how to cook a square meal, such
a one as I would like to eat. The opportunity soon came, and I improved it When it became known that I could do plain cooking I was called on quite fre quently to exercise my talent. Sometimes my employer would come to me in the field and say, "Would you mind going up to the house and getting dinknow anything about cooking." Once I was sent to help a neighbor thresh and just as the machine was ready to start the man came to me with a face said, "My girl has took sick and gone home. Would you care if I asked you to help my wife to-day?", As I had been appointed to a position on the straw-stack it didn't take me long to
set his mind at rest about the proposed change. Since that time I have "kep bach" many a time, once for two years, and I never failed to have a square meal at meal-time. My experience satisfied any farmer boy can learn is plain cooking. He may have no usc for the toow
dge for years, and then suddenty hat occasion to thank his stars that he can cook

A young friend of mine went into Southern state to seek employment. After looking about for a "sott job" umberman, and with several oth was sent to a win the forest $t$ chop. He knew next to nothing about utting timber, but by closely watching he experts he soon learned how to go bout it. He was not overstrong, and he work was severc, and it made every bone aud muscle in his body ache, but he stuck to the work, though he wass
able to earn only about fifteen dollars month. One day the mine int camp for dinner and found the cool ying in the tent drumk aud no sign o liuner. The boss turned to the men and sked, "Can any of you fellows cook?" When a boy at home on the farm my young friend had been obliged to hel his mother cook hundreds of meals for harvesters, threshers and "company," though he then detested the task. He stepped forward and said. "I can."

Go to work and get dinner for these men," said the boss. He did so, and 'I'll I'll give you forty dollars a month to cook for this gang." "I'll take it," him this work was as play compared with felling trees, while the men unanmously declared that he was the bes and neatest cook they ever knew. He cooked in the camp two years, his wages being raised to fifty dollars a month.

Specialists Thousands of farmer boys and institutious entering the college g. o broad that no young man can expect o thoroughly cover it. He can obtain general smattering of many things in he few terms he will be able to attend, but he can become thoroughly protic ent in none unless he gives to it his whole mind. The successful man of the present day is the specialist, and I would advise cvery young man to de rote his whole energies to becoming a specialist. Study to make yourself an authority-an expert in one thing. The Jack of all trades is master of none, and his services are not in demand, except at the lowest rates and when times are good; but the thorough master of almost any one thing can command the best wages at any time if he is reliable Get all the general information possi ble to fully develop your mind and give ou a broad view of the world, but make yourself a thorough expert in one thing. There is a vast field to choose from, and he has only himself to blame who chooses unwisely. The thing to do is to so prepare yourself that when you enter the ranks of the world's workers you can take a high place and efficiently

Cow-peas
When my corn reached a
and Corn height of twelve to fourtook my hand-planter and planted cow-peas close by the hills of two cow-peas close by the hills of two
ows. They soon came up and began o climb, and when the coin was ready to cut there was a mass of cowpea vincs wrapped about the stalks and several of the pods were ripe. The corm and pea-vines were easily third mook-knie, an the ground than where no peas were planted. I have corn and planted them between the corn and but they grew into such a tanegled mass that it was a difficult matter to move about when cutting the corn. Where the peas are planted close to the hill the vines are easily cut off with the hill the vines are easily cut off with the
stalks, but where they are planted bestalks, but where they are planted be-
tween the rows or sown broadcast sevtween the rows or soiwn broadcast sev-
eral vines from different directions twine about each hill and all must be severed before the hill can be lifted, and this makes slow, tiresome work. I shall try the plan of planting the peas close by the hill on a larger scale next stages of the corn's growth, and try to obtain the best results.

Fred Grundy.


The Fertilizer Trust.-There ineral interest among farmers the was formed in the begin ning of this year. Forty of the strong manufacturing firms have gone into th
combine, and many outside firms ha entered into an arrangement by which they are bound to maintain prices and
to act in the role of "triendly competto ars." The effect of this combination upon present and future prices con-
cerns all users of fertilizers. The trust is able to make forcible presentation
of its side in the following fashion: "The new organization was created to save useless expen goods with the
lighest, guaranteed
smallest margin of profit. For a numsmallest margin of profit. For a numso kecn that agents, traveling and local, multiplied to such an extent as to really mendous waste in transportation, by farmers in one state buying from a
distant state, manutacturers in the East getting material from the West, and vice rersa. There was great waste
also in mauufacture.. . The brands employed can be reduced to the actual number required by different crops and conditions. The tertilizers can be furnished from the nearest factory, reducing freight charges to the minimum point. The manutacture can be sys-labor-saving derices employed. Office and factory help ean be reduced very largely, and large rent and salary ex-
penses saved. And, finally, this strong, penses saved. And, finally, this strong, command, will be able to furnish goods of the highest quality at the lowest possible price.

Promise and Performance.-There is probably no claim in the foregoing that could not be made good. Competition is wasteful always, and intelligent cooperation cheapens cost. But any dedistributing commercial fertilizers does not interest farmers unless they receive some benefit therefrom. The question furnished us "at the lowest possible price?" Some of us have been led to ly , comparing the schedule of prices made by the trust to its traveling agents with the prices asked by out-
side concerns. The companies in the trustagreed upon the lowest prices they would permit thcir agents to accept
from local agents, and at the same time from local agents, and at the same time these traveling agents were instructed
to get higher prices from local agents whenever possible. These minimum prices are greater than some outside competitors are glad to accept, and mayy local agents of the combite a little more a ton than paying quite a littrest merices calls for This is a serious matter of business, and we could not afford to make such statements if we had not examined all
the papers, including the trust's instructions to its traveling agents. When the local agent pays too much for his
goods, the tarmer must pay too much, goods, the tarmer must pay too much,
and consumers of comnercial fertilizers cannot afford to have prices pushed up gradually every year, as now promises
to be the case unless outside competito be the case unless outside competi-
tion is encouraged. There should be no lostility between manufacturers
and farmers, but healthy competition should remain as a regulator of prices.

The "Complete" Fertilizer.-There is a prejudice against the use of a fer-
tilizer containing only one element of plant-food, although that element may which the fertilizer is applied. Many like that word "complete," which has
a safer sound to them. iuy fertilizer a safer sound to them. Auy fertilizer ements of plant-food is called a "complete" one, no matter how little of
onc or two ot the elcments it may carry. Before me is the analysis of such
a brand, the amount of nitrogen being one per cent, aud the amount of potash the same. That means twenty pounds of
nitrogen and twenty pounds of potash
in a ton, or two pounds of each to the
acre when the application is fwo hurdred pounds to the acre. Let us reason
together. Two pounds of potash, worth in the market five cents a pound, are distributed over an entire acre of land with the thought that it can materially unreasonable. Either the soil needs potash to make a crop, or it does not. If it does, the application should be from fifteen to forty pounds of actual potash; if it does not, then the two pounds of potash should not be used. The serious objection to such a "complete" fertilizer is that it misleads those who do not study the needs of the soil. More than this, the trifling amount of some one element adds unduly to the price at which the fertilizer is sold Phosphoric acid is the controlling el-
ement in the fertilizers that are being ement in the fertilizers that are being
used for wheat in this country. When obtained from bone some nitrogen usually called ammonia, is present. If the soil needs potash or nitrogen, get a fertilizer carrying more than one per pay only for phosphoric acid, as the lat tee is a complete fertilizer for a soil needing only that element.

Care of Horses' Shoulders.-City papers contain frequent accounts of the arrests of teamsters by agents of humane societies for working horses that have sore shoulders. It is hard that a shoulder against a collar, as is far too often the case upon some farms. Bruising and galling can often be prevented by a little care at the right time. The hard leather collar is one of the very best if it fits, and the fitting is best and then soaking it over night in water and then drawing it into proper shape on the ueck with hames of the right
shape. The collar should fit pretty close to the sides of the neck. Wher ever it is indented by the shoulder after being softened with water and used halt
day it should be pounded with the rounded end of a stick-a heavy auger-
handle is good tor this purpose-until no undue pressure can come upon the part of the shoulder that made the indentation. It the shoulder is already bruised, soaking and pounding the collar where it strikes the brnise will help very much. The collar should be made to conform to the shape of the shoulder. If there is any pole weight that drill or harrow, use a zinc pad on top drill or harrow, use a zinc pad on top right point on the shoulder, Bathe the with cold water noon aud night in hot weather, and oak-bark tea is excellent if there is the. least ten-
derness. Grain cannot keep fat on a horse that is at work with sore shoulders. For economy's sake, and especially for right's salie, keep the shoulders chated.
bruised or
David.

## THE CORN WEB-WORM

Eeceived of young coru being killed out by worms which attack the plants at the base of the stalk. The plants start and die. When the roots of such plants and die. When the roots of such plants small worms are found snugly housed in a web, which is attached to the roots or stalk about an inch below the sur face. The stalks ot the corn will be
found to be eaten, cavities being gouged found to be eaten, cavities being gouged
out or tumels made inward, or small stems being even entirely cut off. The lower leaves arc also attacked, usually before they have unfolded, so that when unrolled the holes made by the larrae are somewhat regularly placed and enPlants with the growth of the leaves. outright or they decay at the point injured and soon rot off. Replanting is thus often made necessary, involving considerable expense, making the crop planted corn to secure as good a start as planted corn to secure as good a start as of the soil; and sometimes even a second partial repianting is necessary Such injury is common throughou and is mostly done by the larva of a small moth. which is commonly known
rambus, though some other species of responsible reme are sometimes partly common on grass-lands during the sum mer, flying up on all sides as one walk through a field, but are not found withut some difficulty, owing to the fact that they cling closely to a blade of orass, with their wings tightly drawn in to the body, so that they are not readily distinguishable from the grass. The palpi, or feelers, project in front of the head very prominently, so that these insects are often known as "snoutance in the spring, from the middle of Say until early June, and lay their egrs in grass-lands about this time. About two hundred yellowish, oral eces are deposited by each temale moth either leosely attached to the stems or blades oosely attached to the stems or blades of grass or dropped carelessly on the surface. From these the larvae hatch in from six to ten days, and at once commence feeding upon the grass. Very soon they construct a loose web on the surface of the soil, or a little below it, adhering to which are numerous particles of gravel and earth, which more or less conceal the web. The larrae are of a dirty white or yellowish color, and are furnished with minute tubercles set with fine bristles. The larvae become full grown in from five to seven weeks, and then form a small cocoon, usually in the end of the tube or web already constructed. In this they transform to the pupal stage, from which the adult moths emerge in from twelve to fifteen days during the month of August Eggs are laid for another brood in September, the young larvae batching during that month and October, and becoming partly grown before winter sets in. They hibernate in their silken tubes just below the surface over winter, and commence feeding again in the spring, and transform to pupae and moths in May, as already described.

A number of these worms may cur in grass-land without doing noticeable injury, but when they attack corn, the number of plants being fewer, the injury is more serious. Indeed, corn is rarely injured except when planted on sod-land. For this reason it is always desirable to first put sod land in some crop which does not be ang to the prass family, such as clover, before putting it in corn, in order to before putting it in corn, in order to prevent injuries by this insect and many others whose usual food is grass, such as cutworms, white grubs, wire-
worms, etc. If this is not feasible, it worms, etc. If this is not feasible, it
will be desirable to plow the sod up in the fall, so as to prevent egg-laying or to starre out those larvae already hatched; or if plowed very late, the dormant larvac will be exposed to the weather or turned under so deep that they will be unable to get to the surface in the spring. Otherwise the land should be plowed early in the spring and left clear for at least two weeks, thus preventing the moths from deposting their eggs, for they never lay the eggs on bare ground, and if the field can be liept bare before the eggs are laid it will probably be left unmolested. Dr. J. B. Smith has observed that fields treated with mineral fertilizers are much freer from injury than those on rhich animal manures are used.
E. Dwight Sandersox.

SOME THINGS SOME FARMERS FORGET
One of these things is that no class of people has the farmer's privilege of eating fresh things from the earth. This may not seem at first thought such a blessing, but when we think of all the things which other men must suffer from in the way of wilted regetables, stale butter, milk and eggs, and adulteratious of almost every article of tood, the value of living close to Nature's heart begins to be more apparent.
Really to appreciate the blessedness of having everything fresh from the large city. There let him set out of morning to bny the furnishings for his table for the ensuing day. He risits the city tharket. Here is displayed all the city market. Here is displayed all how wilted the articles seem which are displayed upon the counters compared with what he used to have in the country! Perhaps these have been recently watered, to make them appear
a long way from field to kitchen with most of what he sees. Theu the butter! How he does long now for the sweet roll he used to see upon the table at turns away and roams from place to place, vainly hoping that somewhere he will find a bit of butter something like what lie had back at home! If he does succeed in finding it, the recollection of
home days in the country comes back home days in the country comes back here and more vividy ge takes into his mouth. And so it
goes all through the list. Why is it nothing tastes as it used to back honie? Then not many of us really apprehot the blessing of pure air. In the sitting under our shady porche or be neath the leafy trees. or at night sleeping sweetly with open windows and intrusion, our city neighbors are fairly panting for breath in the struggle to live. The very air is hot; offensive the b come up from the parements; day, buildings do not cool from one and nid to another; the day is a dread tasted the city during a beated period we thank God ever afterward that we

## have a home in the country

Again, I very much doubt whether all of us place a proper estimate upon the pure water we have in the country See it trickling from spring and fountil it. In is sweet as Nature can distil it. In every drop there is health and strength. We may drink to the full
and suffer no ill effects. Now think and suffer no ill effects. Now think
of the difference with our city neigh bors. Every drop of water used mus come through miles of pipe. When it reaches them it is hot. and tasteless. It almost sickens them instead of refresh ing them. Sick or well, this must be their portion. They may try hard to cool their bererages with ice, but the more of that they use the more fearfu they are of the effects. Blessed indeed is the pure, clear water of the country But most of all the farmer should be home. Think of the eternal, distracting thunder of the eternal, distracting and far into the night it sends up its and far into the night it sends up its most impossible. No time for peaceful reading or reflection. Rush, push, hur turn to the country home. How still the day! Night comes down like a benediction. We put away care and draw around our tables, to read and think of plan for the fus the country lies largely in its opportunities for careful meditation. If it has any better men than the city it is be cause in the country we are neare the fountains of rest and thought
But think of the scenes of beauty which greet the farmer upon every hand. Mountain, tree and flower every
where. The city man longs for them, bu where. The city man longs for them, bu ings peculiar to the country. It is no wonder that almost every man, no mat ter what his business in the city may its distraction and finish his lite amid the beauties of the country hopeful sign that this is so and that men are more and more turning back Steam-cars and electricity are helping them to do this. The country is to-day the Mecca toward which men universal ly turn.

I wish I might say something which would help erery one now on the farm
to think more and more about the to think more and more about the
blessings he has and less about the hard blessings he has and less about the hard
places. Erery business has its hard features. Not always do we know jus what these are, and the reason we long so for the town is because we dream only of its pleasures, thinking little of the discomforts or the positive trials which meet those who live there. Per haps I may be a better witness upon this point from the fact that I have thoroughly tested both city and country life. I know all about them both firmly assured that here is to be found the truest comfort, opportunity for doing the greatest good and more solid dweller can possibly be the lot of the dweller in the city. Friends, count you
blessings! Edaan L. Vircent.

(r9NOTES FROM

Soxie Novelties.-Novelties of real striking value lave been rather
scarce in recent years. Our seedsmen seem to have hunted the whole world over for years, and picked up everything that seemed of promise,
and much that was not, until there are few things left that are not yet explored or introduced at some time or
other. Japan and China have been found by our seedsmen and uurserymen discovery of new vegetables and fruits. A great many of these Oriental novelties have been introduced, but there are few among them that are of lasting Chinese regetable offered by one of the cheed-liouses making a specialty of them. There was not one among them that 1 cared to grow the second time. And so it is also with the Japanese regeta-
bles. The soy-bean is about the bles. The soy-bean is about the only
thing from that quarter that may possess lastiug value for us. I have grown it off and on for the last twenty-five years, , the first seed of it laving been
sent me by my father in Germany long before it was ever spoken of here, so far as I know. I again have a few rows of it in my garden, and it The bean
mostly as a coffee substitute. The is also well liked, even in the raw and unground state, by farm-animals.

The "Nerv York Farmer" tells of a "California gardeners are experimenting with the mougri (mongri), elty from Java. The plant attains the
height of about twenty inches. A peculiarity of this plant is that the pods are sometimes three feet in length. The
pods are quite solid, tender and crisp. pods are quite solid, tender and crisp.
Before they are full grown they may be eaten the same as radishes. They make excellent pickles and are good for salads. The plant might also be termed the bush-asparagus. If the pods are state they are most delicious, greatly resembling asparagus in flavor." This novelty was introduced a few years ago by a Western seed-house, and I am iuforined by a California garker that ras no more nor less than a common radish gone to seed, and the biggest swindle of the century. I have neve yet tried radish-pods as a culinary arti-
cle, but I think that they may be made cle, but I think that they may be made way while young and tender.

A New Cabbage.-I have repeatedly spoken of the Eureka cabbage as a new and very promising one for an early sort. It comes into the market with
the Jersey Wakefield, and being a flat sort and a remarkably reliable and close header it seems to find much favor with buyers. I know of no other sort that Wakefield as an earty market cabbage Last spring I was told of a new early cabbage named "Alpha." I planted a Eureka. I shall plant Wakefield and Eureka hereafter, "'alf and 'alf."

Tife Blue-husk गomato.-I have a number of plants of the "blue-husk treated them as a novelty and something very choice. I think that now I would be satisfied if I had only a single plant, and would not particularly grieve were I to lose that, too. My curiosity,
or thirst for knowledge-call it what you may-is fully satisfied. The plant itself is coarse and weedy-looking and perhaps as interesting as the yellowhusk tomato. The purplish or bluish than the jellow kind, and grows in a rather more tightly fitting husk. Like the other, it drops to the gronnd on reaching maturity. The yellow-husk, or cherry, tomato has decided value as sons are quite fond of its gooseberrylike flavor when cooked in sugar. It
does not suit my own inclividual taste so well. The blue-husk tomato does not
me somewhat sickish, taste, and as it
appears to be quite solid in flesh when
cut open I believe it will prove to be good material in the hands of a skilful ook. I will try it for pickles.

New Lima-beans,-Anong the pole-
Limas Henderson's new "Early Leviathan" seems to be valuable on account of its earliness. I have heretofore given the preference for my main crop to
Extra Early Jersey and King of the Garden. The new Leviathan seems to have just as many good points as eitlier of them, besides being some days ear-
lier. The New Wonder bush-Lima is just about as early, but the pods a close to the ground and liable to which seems to be the case with atl large bush-Limas with which I am acquainterl. I also have the new Willow Leaf bush-Lima, which is a bush form of Burpee's older Willow Leaf bush-Lima and with the exception of the foliage about the same thing as Henderson's
bush-Lima, or Sieva, a small bean in bush-Lima, or Siera, a small bean in abundant and closely filled pods. For my own table, as well as for market, I
prefer the large Limas to these Sievas, prefer the large Limas to these Sievas,
even if they are earlier. Strange to say, however, the Willow Leaf bush-Lima this year is not as early as the large bush or even the pole-Limas. And then what a lot of pods filled with great fat beans we can gather from our pole-
Limas all season long! The oftener I compare the two types of beans the more I take to the pole form, of which some years ago I thought so much.

The Pickling-onions.-I left my Barletta onions too long in the ground this year after they were fit for pullstar. The frequent rains at this time forced a most luxuriaut weed growth. The new factories that have been put up in the vicinity of Niagara Falls, close and many younger and older men who heretofore depended on work on the heretofore depended on work on the
farms around here are now working in the factories, so that it is almost impossible to find good farm heip. I have had to let the weeds have their own way to a greater extent thau ever be-
fore and more than I relish. I do all I fore and more than I relish. I do all I pickling-onions were neglected. Now they are taken up, and I will try to cure them on the greenhouse benches, with what results remains to be seen

Yellow Leaves.-S. S., of Shiner Texas, says that in one spot of his garden the leaves of whatever crops he plants grow curly and yellow. Even the trees show yellow leaves. What should be applied to make the land right for healthy growth? Perhaps some of our scientific friends can tell from the description. I cannot. But if it were my case I would first of all examine that particular spot, to see whether it is properly drained, and if not, remedy this defect. Also get a piece of blue place a little piece agaiust a fresh itplace a little piece agaiust a fresh sur-
face of the soil and see how it acts. If the paper turns to a pink or red color you have the proof that the soil is sour; and the way to remove the acidity is by applying a good dressing of lime. If the paper retains its blue color I would dip a strip of it in weak vinegar, which will give it a pinkish color. Then let it get dry and make auother soil
test. If the pink paper turns blue test. If the pink paper turns blue
again you have the proof that the soil of that particular spot has an excess of alkali. This may have to be neutralized. You may be able to do that by growing any green crop-clover, rye, peas, etc.-and plowing them under ing hot weather. You may also forward a sample of that soil to the experiment station of your state and give them a description of how that soil acts. In fact, you should do that. The experiment station will gladiy help you and for you. It is their place and duty to do so, and they like to have a chance to help you out. People all over the country have no reason to complain that the experiment stations are not of greater help to them so long as there is a gen-
eral disinclination to ask them for help. eral disinclination to ask them for help
T. Grener.


## conductied by samuel b. green

## INQUIRIES ANSWERED

Moving an Orehard.-T. G. G., Gibsou's, $t$-five prach-trees and serenty-five apple-trees planted in the spring of 1897, tbat he desires house, and inquires, first, what seasou would be hest for moving them; second, how mucl In the climate of North Carollna the trecs should be moved either in the fall after the season's growtb has ceased and the leaves
have fallen, or in early spring as sonu as the ground is in good condition for working. The trees should be taken up carefully, to
retain as large a portion of the roots a possible, and without allowing to be long ou of the grouud. Plant them in holes suffieientl. arge to receive the roots in natural position,
working good soil among them and making working good soil among them and making ver the sur here is very little danger of losing a single in smoothing off the bruised ends of the root with a sharp Knife, and cutting tbe season's aceording to the loss of roots. If the root are dipped into a puddle of thin mud at the
ime of planting soil adheres to them bette time of planting soil adheres
A Cherry-tree That Never Bloomed or Bove Fruit.-J. D., Lincoln, Ill., has a cherry-tree, supposed to be Black Tartarian, planted ont six years next spring, that
has never borne fruit nor blossomed, and asks has never borne fruit nor blossomed, and asks
for advice about how to treat it to bring for advice about how to treat it to bring
it into bearing. He says it is a beautiful it into bearing. He says it is a beautiful
tree, with limbs growing upright. First, trees with upright-growing brauches do not
usually commence bearing as young as those with spreading or horizontal branches. Se influenee upon the age at which a tree come into bearing. If this trec is growing in the orerrich soil which is found in many parts of Illinois, wberc the wood growth hecomes so gross that fruit-huds are not formed, much
the age of eight or ten years. In tbat case the hearing would he encouraged by root-
pruuing, and prohably all tbat would he uecessary would he to insert a sbarp spade fuil length of the blade in a circle eight fect in diameter around the tree next spring, to stair its bearing the next season. If that
failed I would advise budding it to some

## ther variety.

## A. Barren Plum-tree.-H. A. C., Glen

dale, Pa., has an Abundance plum-tree tba blossoms profusely, but does not hear fruit,
and desires a remedy for it. He also inquires if coal-tar put around tbe trunks of trees
jures them, and if so, if there is a remeds. ures them, and if so, if there is a remed.
Reply:-If tbere are no other plum-tre Reple:-If tbere are no other plum-trees
uear by that bloom at ahout the same time as his Abundance, the failure to fruit may rise from a failure of pollenization or fe cause, the remedy would he to plant some bud in a branch of this one a fallure fruit is often the result of unfavoroble weather conditions at the time of blossoming, or of a hard frost after circulation has lso from fungous diseases and lack of pigo of the trees from poverty of the soil or lack of cultivatiou, and uot infrequently from stingiug from curculio. Weather conditions are of
course beyoud coutrol; vigor may be restorcd course beyoud coutrol, vigor may be restorc by cultivation and the application of ma-
nures. For the curculio, spraying with Paris reen, one ounce to thirtcen gallons of water
as soon as the blossoms fall will prove eneficial. If the tree is troubled with fuu cous diseases, spray once with sulphate of twenty-five gallons of water, once just as the buds begin to swell, and again with a sixtygallon formula of Bordcaux mixture after the foliagc is out and the blossoms have fallen of trees is not adrisable. In some cases no
inmediate injurious effects are discovered, while in others it causes the premature
death to the trees. It is a dangerous material to use on living trees, and if it has been applied I would adrise scrapiug it off and
washing witl soap-suds and wrapping the runks with burlap cloth for a time.
Pear-blight.-A. B. O. requests a remed or, or prerentive of, pear-blight. Pear-blight century, and probably has been studied and experimented with for remedics more than made toward finding a reliable cure for it It is a bacterial disease that propagates with reat rapidity when weather or other condiwarm and moist weather of the early summe -and the germs are carrled from one tree find lodgment on the tender parts of growing
 and
 affected trees in better health, and therefore affected trees in better health, and therefore terial germs. After it shows in the foliage we : tain about its doing more good thau injury, because of the danger of trausferring the saw or knife unless they are disinfected beuext one. Much can be done iu the autumn disease in the following sprlag. After the growth of the season has ended, every diseased twig or branch should he cut out and growth hegins agalin, there will be few places in which insects may come in coutact with the germs and trausport them to other places.
If this is thoroughly done and continued by that the disense ould finally he stamped out
Soils for and Time to Set Strawber-
vies.-R. C. C., Edelstinc, Ill. While very good strawberries can be raised upon any soil that will produce corn or potatoes, it is and the one adapted to the successful and the one adapted to the successful grow-
ing of the greatest uumber of varietles is a deep, sandy loam that is moist, but not wet,
in its natural state. On such a soll properly prepa natural state. On such a soil properly quired to insure good crops of fruit. New
land-that is, land that has not been used for strawberries within four or five years-and old pasture-hinds and elover meadows not recently disturbed by plowing are better for long fint than long cultivated in plant and hoed crops, even
if the fertility has heen naintained by if the feral manuriug. New ground or any by liberal manuriug. New ground or any grassby raising on it a hoed crop of some kind by raising on it a hoed crop of some kind ries, and it would be better if plowed again late in the fall, after being manured according to its needs, and left in a rough coudition tbrough the wluter. If the soil is inclined to be a stiff clay, fall plowing and the action Hcdge-rows and newly cleared groves make cxcellent locations for strawherry-beds, and if the soil is deep and ricb will bring good The witbout any, or but little, manuring. The best time for setting strawherry-plants is in spriug, aud usually during the first half of May; at this scason growtb hegins at once endure the beat aud drought of later in the again in the spriug immediately hefore planting depends largely upon how compact it has become duriug the winter. Ordinarily working the surface-up fine with a spring-
tooth harrow is hetter than spring plowlng. Blipht Bright.-J. W. C., Hillshoro, N. C., is
anxious to find a remedy for blight and iusects on fruit-trees, and addresses tbe following inquiry to a few professional hor-
ticulturists: "If the washiug or soaking of seed-wheat iu bluestone-water just before sowing will keep smut out of wheat, why
not put a pound each of bluestone, copperas not put a pound each of bluestone, copperas and sulphur under a fruit-tree that will bear ten dollars' worth of good fruit in one year?'
Thousands of our pomologists anuually Thousands of our pomologists anuually
suffer great losses through the depredations suffer great losses through the depredations
of insects and the ravages of blight, and all of insects and the ravages of blight, and all
would be glad to find a safe and sure remedy. It is my opinion that the hurying of bluetree would do no good whatever, and might result in considerable injury. Blight, like smut, is a fungous organism, and propagated bs living spores. The immersion of the seedspores, which if uot killed would when conditions are favorable find lodgment upon the smut. None of the virtues of the wash euter into the roots or composition of the growing grain, and if the wash was strong enough or destroy the couthned long enough il would destroy the germ of the wheat as well as the
smut. My owu experience and observation smut. My owu experience and observation
is that not any of these ingredieuts will be taken up by the roots and enter into tbe
supercircmlation or structure of the tree to an extent that will cxert any influeuce toward preventing hlight or the ravages of deaux mixture, which is a solution of bluestoue, lime and water, kills the spores of fungous diseases by direct contact when ap-
plied at the proper time as a spray; also plied at the proper time as a spray; also
that a solution or wash of copperas is often heneficial, and that flower of sulphur is an
autidote for mildew. I believc that they do, in a degree, check the spread of blight,
aud if they were universally applied would in aud if they were universally applied would in believe that their application to the soll
or under the roots or by inoculation into the wood or circulation would prove of any
benefit whatever. Spraying with Paris green is the hest remedy for hiting inseets, and oil soap-suds for sucking insects, such as
aphis, seales, etc.; but ouly those are destroyed by direct contact.

HOW CHINESE FARMER MARKETS CROPS [COATINEED from first page]
reasonable rate, thus compelling the dealers to sell cheaper. This is the the-
ory, and it looks well on paper. It is in accordance with the Confucian idea and people, which the wily mandarin talks of so smootlily, but practises so
seldom. However, the difticulty of seldom. Howerer, the difficulty of
securing honest management and the smallness of the quantities stored compared with the remarkable density of populatiou make these public granthe price of graiu in times of scarcity


Chinese gid in Temple on Bubbling-well
The controlling factor here, as every here, is the law of supply and demand But here again the absence of cheap trausportatiou facilities, except upon watercourses, interferes with the supsible to this generation of Americans. Only a few weeks ago rice was selling in the adjoining county of Daih-luu for four dollars a man-load of one liundred and thirty three pounds, while here in Hinohua, fitty miles war, a in Hinghua, firy miles awas, a load son is not far to seek. The sole power of transportation between these two places is human strength, the only road a mountain foot-path. It might tend
to reconcile the Kausas farmer to the merciless oppressions of the soulless railroad corporation that divides with him the profits of his toil if he had to
reasou for this is lack of transportation
toand from markets. When China builds railways and wagon-roads in every direction these interior waste places will Densely populated as China is, the country can bear a much larger population with modern facilities for transport.
inOCULATION OF THE SOIL
It is only within the last twenty cons improve the soil was leguruinous and proved. The enriching effect is due mainly to the presence of bacteria (singular, bacterium), that cause the wart-like lmops on the roots of the plants, and which change the nitrogen gas of the air into a form that the plauts can utilize. In soil where none of these tiny creatures exist, and in which but little nitrogenous plant-10o is very small. but in of legumes is very small; but in soil
where they are plentiful, even if it contains little or no nitrogenous matter, the growth is many times In all agricultural soils where leguminous plants have been grown for any length of time these creatures abound, but eacli kind of legume demands a different variety of ment. For instance, the bacterium working on erimson clover might be fouud on other clovers. but not or peas or beans. Some soils, therefore, peas may fail utterly to procluce lentils legerely beruse the pror bacterium is not in the soil propes After thorough investigation of the subject, including countless experiments, German scientists hare produced, by scientific methods, a subcontains millions of the bacteria. This nitragin is mised with the seed, and planted, an operation that inoculates the soil with the bacteria. When treated and untreated seed are sown in mer grow luxuriantly, while the latter do not, and this has been proved not only in the laboratory, but in whole fields. in mauy cases there being a gain of one thousand per cent or even mare due to inoculation.
So wonderful is the invention, if such it may be called, that it seems possible unscrupulous men may make use of it that will probably be the easier sint the discovery is of very recent date.

licing and Drying Sweet-potatoes
> arry one crop to the nearest market is this difficulty of reachiug the mar set that makes the fariners in the indifferent about cultivating more land ndin is necessary to provia fool their own families. Even in a region so densely populated as these Hinghua ral leys and coast. back twenty-five miles into the mountains there is much un-
used ground, and further inland the population is still more sparse, while large areas are uncultivated. The chief

The New York agents of the German company now manufacturing the substance are, of course, not included in this remark. The farmer, in order to protect himself, should bear in mind that if he or his neighbor grows clover, peas, vetches. or any other legume, he need not inoculate his soil unless he finds that it will not produce good crops of the particular legume he wishes to grow upon it. If it fails to produce a crop, inoculation may remmake haste slowly. The cost of applyhat if he or his neighbor grows
-
of
twn
the

## $\qquad$

## ${ }_{\text {Unit }}$

ing ( t wo to four dollars an acre) would
be but a slight and a justifiable expense were there no risk. But since, in comng from Germany; the stuff may heat and fermeut, since it may be too old unknown cause, work from some other farmer seldom has time to take the care hecessary in mánipulating it, he had better purchase only a little and apply better purchase only a little and apply it to a small area. If his experiment
proves a failure, little will have been proves a failure, little will have been
lost; if a success, then the soil of the lost; if a success, then the soil of the plot may be used to inoculate wider areas. When failure meets every effort o grow some legrume that has never been grown in a locality, the best plan -better than purchasing nitragin-is to find some place where it has succeeded, and to obtain a bushel or so of the soil upon which it has grown, and if this contains roots of the particular plant, so much the better. This earth should be spread with his seed in a small plot, the soil of which may be used the following season-if it has produced a fairly good crop-to inoe blate a fild: one ton should be sulfic int for an : ove. Ance ind be sumicnurther inalation should be ulated no frover inoculation shoula be uecessary provided the crop be grown upon the ield occasionally. Of course, planting ther crops exclusively may stare out he bacteria. since they are as dependent upon the legume as the legume is dependent upon them.
Inoculation of other fields will be unnecessary. since mud and dust carried by animals and even by insects will soon spread the bacteria all over a farm, and wind and water will carry them all over the neigliborhood. so that in a short time the legume that at first ailed because of the lack of bacteri will then yield profitable crops.
These bacteria are in nowise harmful under any conditions of the fields. The do not menace health of man or beast.
M. G. Kains.

CORRESPONDENCE
From Califonata.-A large number of Farm and Fireside subseribets have asked ing to ant chicken-farms in Califormia, wantng to know how many chickems conld be kept tc. One thonsand hens the price of land, as can well bend hens are about as many be kept on alfalfa-n care of, and they must is the ouly lind of feed that roill, asom sear round. It is fully one third of the feed for chickens. Good alfalfa-land that needs no irrigating can be had in fie and ten acre lots at from $\$ 100$ to $\$ 125$ an acre, with-
out improvements. This price is very low for this kind of land, as it is almost all ont of the market. Irrigated land is not good for chickens, as it is too wet and'canses siclness among the chickens. Wheat-land is no good, as there is green feed onls for a short time in the spring. Some tarker-raisers hare as many as three thonsand tnrkeys each
season. Eggs and chickens are a good price season. Eggs and chickens are a good price
the rear round. Car-loads of both are imported. G. T. J.

From Moxtasa,-Some time ago $I$ had a short article in the Fam and Firesine in
regard to the swift Current Montana, and since then have receired letthe new copper-camp, and the futne pros pects. Let me say that the prospects for a We have two restanrants, two lodging honses, about eighty log cabins, as many
tents, a sarmill, a concentrator and abont three hundred people. A store 1 s being
erected at this writing; three more concentrators will be in operation by fall, and melter will be hullt in the spring. Two tical miners are getting $\$ 1$ a das, and $\$ 3$ a
tall day is paid for common labor. A miners' hospital is being erected, and a residen phasician is expected soon, making conient for all concerned of work for sober quartz-miners and car to be one of the greatest copper-camps in leads here are all well defined, and can he raced for a distance of from fifteen to forty ailes. We have fon mines running full hast, all turning out high-grade copper-ore ntana, on the G. X. railroad, a distance fifty miles from the camp. There are c station. The fare from the station to the mp is $\$ 6$. The priucipal drawback here is the camp is on a forest reserre, and the aited States government will not issue percket has cansed a great deal of Browning, Mont

## McCORMICK <br> WINS <br> AT PARIS.

The McCormick Harvesting Machine Company of Chicago, has been awarded the Paris Exposition. This is the highest

The McCormick Company also received the highest award, a gold medal, on binder twine, for the superior quality of its product. Special twine machinery from the celebrated jury and awarded a medal. ury and awarded a medal.
The McCormicks have
largest number of awards, as well as the highest awards made to any American exhibitor. In addition to the Grand Prize on machines and Gold Medal on twine they have received two medals in the department of metallurgy for superiority in forming metals into special parts for machines; in the department of machinery a medal for factory machinery, and also silver and in all, besides the Grand Prize.
The International juries of the Exposition have recognized the great revolution wrought by McCormick machines and this large num. ber of awards is a great triumph for America. In addition to winning these awards, the Gold Medal and 200 francs, the single high. est award for binders, was won easily by the McCormick Binder at the field trial at Coulommiers on July 19, against all comers. held in France during the Exposition year


Ues san't rot swell or dry out. Angice seel hoond. USE.
ELEOTRIO WHEEL CO., Box 96 Onincs, Ills.


Poritand Mfg, Co, Box 27, Portland, Mich.


NEW NO. 1 PINE DOORS
Bought at \$17.00 eachis
Bought at Sherim's Sale of sash Door
Factory. $10,00 \mathrm{NEW}$ DOORS ranging in
price from $\$ 1.00$ np. ALL SIZES.


CHICAGO HOUSE WRECKING CO.
West 35 th and Iron Sts., CHICAGO.

# * THE POULTRY-YARD 

Conducted by P.H.JACOBS

## NITROGENOUS FOOD

THe principal ingredient in blood is nitrogen, which is also the
nost essential substance in alhumen, or the white of an egg: Dried blood contains abont fourteen may contain but one or two per cent, as the bone is mostly phosphate of ing meat it will contain more nitrogen than if cleaned. Blood cannot entirely take the place of bone, as the bone contains phosphate. The dried blood wood, but no kind of dry food, whether anmal or regetable, is equal to that been made show very conclusively that the cheapest and best toods are those that induce the hens to lay, and that reduced bone and animat-meal are more from, than has been supposed, although such foods have ranked high as eggproducing materials. As less than one
third the quantity of animal-meal is required compared with corn, the cost is even less than for corn, with the dif-animal-meal is more complete. Bone can be had for a very small sum if one should be procured wheuever possible, the bone, however, to be cut fine with also, but the point which is to be impressed is the fact that the animal foods have given more eggs in the tests made less in proportion to results obtained. It is the results which cheapen or enhance the value of a tood. No food is costly if it repays one for its use.

## DIFFICULTIES WITH LARGE FLOCKS

In a moderate way and properly managed poultry can be made to pay a good profit on the cost of keeping, and contribute its share to the income of
the little farm, but managed as a business poultry is somewhat uncertain; one person in a hundred, possibly not more than one in a thousand, may succeed, as the risks seem to increase in begin at the bottom and gradually increase the flocks. No matter how much room may be allowed, how good the quarters or how much feed is required, and in the struggle for existence disease steps in and sweeps away the surplus to a smaller number. Large numbers cannot be counted, the eggs cannot all bee cannot be prevented from committing depredations, and the wants of each
individual of the flock cannot be supindividual of the flock cannot be sup-
plied, for it is lost in the whole, and cannot be selected for proper attention and care. Confusion reigns in the and system being indispensable, the foivls fail to prove profitable, being a feathered mob of miserable, struggling the strong and active secure more than they desire, being stimulated to appropriate above their share through the while the less favored ones will barely survive in the midst of a liberal allowance for all.

## EXPOSURE AND DISEASE

The action of severe cold on the system produces many disorders. Our latitude is subject to sudden and sharp
changes, erery one of which tells in a changes, erery one of which tells in a
more or less degree on farm stock and poultry. For these chauges we must of the body, and are the foundation of roup, canker, catarrh, leg-weakness and and healthy they will withstand many

## of these changes, and if well fed aud

 guarded trom the elements will pass over the critical period with small loss. No one possessed of valuable fowls would risk their safety by exposure to weakness comes directly from exposure to severe cold or continued dampness There is seldom any remedy that touches this weakness when once thoroughly established. It more frequently occurs with fowls that have not come to maturity before the cold weather ets in. The growth is at once retarded, he fowl dwarfed, and the muscles and sure victim for roup. Sometimes, if the sure victim for roup. Sometimes, is dry and warm, or the fowls are allowed a dry, sunny cover under glass during the day, it may be con quered. They must, be fed on strong food, such as wheat, rvith animal and regetable materials, and such tonics as drinkiug-water.
## CONSTRUCTING THE POULTRY•HOUSE

## All work in the construction of

 poultry-house should be done before fortable quart to have the fowls in comis gone. In building the house, how ever, make it of the square form, as then the largest area of space can be secured for the least cost. The house should not contain too many fowls, as it will be an advantage to allow plenty of room for scratching in winter when it is stormy. If the fowls are crowded there will not be as many eggs obtained that a large number as from a flock that is more comfortably kept. The arrangement of the house should be to have nests, roosts, platforms,movable, in order to take them outside to be cleaned. Have plenty of light, as fowls do not like to be in a dark house, and will stand outside in the storm rather than remain in a house in which but little sunlight enters. If tarred paper is used, first fasten the paper down well-the two-ply paper is generally used-then give it a good coating of paint, well put on and sanded. In six months put on another coat of the paint (which comes with the paper). At the end of twelve months apply one more coat. In five years give apply one more coat. In five years give
another, and the next in ten years, for the roof will then last you as long as you live or longer. . The paint costs but little. In other words, give the roof little attention the first six months and the rest is easy

4

## A CORN-STALK SHELTER

Erery farmer has a lot of corn-stalks that can be put to no use but tor tramp ling in the barn-yard. The hens are very fond of a low, open shed facing the southeast. The cheapest thing of
the kind can be made of corn-stalks the kind can be made of corn-stalks by simply standing them up against a few rails and laying some of them on the top for a roof. If laid thickly and the roof made steep they will turn water, especially if covered with a few on the straw to hold it in place. A on the straw to hold it in place. A and comfortable, but plenty of room and comfortable, but plenty of room can be given the hens, so as to really
have a covered yard instead of a shed; and if they are liberally fed and other wise provided for they will lay in cold weather enough eggs to not only pay for the stalks and labor, but give a profit as well. Early in the spring, when the shed will not be of further use, it. can be knocked down and added to the material of the barn-yard, which will enable the farmer to utilize the stalks betore converting them into inauure. The erecting of a corn-stalk shed requires but a few hours, the material really costs nothing, and the convenience to the hens will be such as to make them profitable during the cold-

CHARACTERISTICS OF FOOD
If the habits and characteristics of the several breeds are carefully obscrved
the poultryman winl soon be able to the poultrymana will soon be able to the per the best result eat, experiments made he breeds showed that the food vy a from tour to seren ounces a
was composed of grain, grass, potatoes, etc. One hundred pounds of wheat contain about one ounce of lime, but clover (in one hundred pounds of hay) contains nearly three pounds of hime, while lucerne contains three fourths pounds of lime. Turnip contain nearly thirty times as much line as wheat-grains, though contain ing more water while its leaves contai even a larger quantity. Here we can at once learn the canse of hens being in
poorlaying condition when fed on wheat poor laying condition when fed
instead of ou a liberal supply ood, and poultrymen can at onc hat the recommendation to feed clo plentifully and they will get eggs
borne out by the results of scientific borne out by the results of scientific investigation.

- OLD HENS AND MOLTING

There are objections to the keeping of hens that are orer two or three years them, which is that each year a hen will
the hen the later in the season will she molt. When winter comes it many times catches her betore she is fully covered with feathcrs; as a result she
will be set back and suffer from the cold, and perhaps not commence laying before spring. A little judicious treatment with nitrogenous food not only benefits the fowls, but shortens the period of molting, and in addition to that the growth of plumage is stronger and heavier, the fow hen Detter able to stand the cold winer. The appearance of the fowls is also
improved. The feathers look better improved. The feathers' look better and the fowls take on fat and meet the constitution and in good health, which otherwise might not be the case.

SITTERS AND NON-SITTERS Where the main object in keeping hens is to furnish a supply of eggs, the Cochins, Plymouth Rocks and Lang shans, should be made to work for nearly all they receive. If eggs only are wanted, it is well to have the non-sitting varieties, which saves a great deal of labor. Far more people prefer the nonsitters at the present time than former 1y. Leghorns, Minoreas, Hamburgs and
Houdans are kept very largely, as they Houdans are kept very largely, as they
are non-sitters. There is one difficulty are non-sitters. There is one difficulty
or drawback with the non-sitters, which is that they lay white eggs, which are not preferred in some mar-
kets; but in other places the white egrs are accepted as readily as are those that are dark.
large egGs
LARGE EGGS Black Spanish claim a place among the first. They are non-sitters, and while equaling in the number of eggs those
of the Leghorns and Hamburgs, they excel them in weight, as two of their large white eggs sometimes turn the scale with three Leghorn or Hamburg eggs. The chickens are healthy and fast growers. Both old and young fowls vor, very meaty, tender and fine
valuable as table-fowls.


THAT Tobacol couch

Smoke and chew, hawk and spit! Throat's always irritated, consumption easily started. Then comes pale, ess eye and ever nervous movement of hands and feet. NO-TO-BAC is a specitic for lobacco throat even if you ablet now and then. What a relief in
NO-TO-BAC Builds up the nervous sys
tem, makes new, rich blood BAC -just the thing for the weak, nervous man to use now and then. Get our ecovery. You mun no risk, for you ecovery. You run no DRUGGIST'S GUARANTEE. Novery drugglst is authorized to sell to cure every form of tobacco using
Our written guarantee, pree sample
No-To-Bac and booklet called "bont
Tobacco Spit and Smoke Your Lite Away,' mailed for the asking Ad-
dress THE SKERLING REMEDY゙ CO.
Chicago. Montreal.Can., New York, oi
CASCARETS candy cathartio corro

and summer when tod Green cut Bone,

chioag
iet cattle





Time to Cut Timber for Fence-posts. ing agricultural papers to the effect that timfrom actual experience in cutting in August last twice as long as if cut in Fehruary. Cnt
down the trees and tet theu lie till the leaves are dry before cutting aud splitting into losts.
Tbat cau be done just as well iu late fall or one swamp white oak bar-post still left in
usc of a lot that were on my farm when I the benefit of roung farmers who want to pose to last should be cut in August."
Millet Has.-C. A. P., Caldwell, N. J
In his excellent worl, "Grasses aud For age Crops." Prof. Shaw says: "Millet makes
excellent winter fodder for horses, milkand fed at the right stage and when at woody aud consequently unpalatable, and When dried too much iu the sun while being
cured its feedug value is greatly impaired. The seed furnishes good food for all kiuds be crop is allowed to ripen the feeding much lesscued. The idea has gained cur may arrise in consequeuce, and that there is adrerselr. But these results are not likely harrested, and when at the same time it
$\qquad$

## VETERINARY

 To regular subscribers of the FARMAND FIRESIDEanswers will be giveu through these columns free of charge. Where an limmediate reply hy mail is desired the applicant should inclose a fee of one dollar, other-
wise no attention will be paid to such a request. Inwise no attention will be paid to such a request. In-
quiries should alwass contaln the writer's full adress. quiries should always contaln the writer's full address.
Quertes nust be recelved at least Two wemes before the date of the lssue in which the answer is expected
veterinary Veterinary queries should be sent directly to Dr. H
J. DETMERS, 1315 Neil Avenue, Columbus, Ohio. J. DETMERS, 315 Neil Avenue, Colunnbus, Ohio.
Notre.-Parties who desire au answer to their in.
quiries in this column must give their name and good reasons. Anons mous hinquiries are not auswere

## Lung Discase.-P. H., Miller, S. D. The lung disease of which your cow died was most likely pulmonary tubcreulowis, a discase Which is not ouls lnfeetlous and easily traus- mitted to other cattle and to human beings, but little cffect, if any. Poll-evil- S . F . Schroser, Kan. What cril, or, in other words, a fistula of the poll. Since the case is already of five years' stand- ng, aud siuce a surgleal operation will have he fistula brought to a permanent healing, A Scar On the Hin of a Calf.-W. H., Brandon, Vt. Be satisfied that the big sore ou the hip of your calf has healld nicely, and leare the scar alone. The latter will not grow, and wheu the calf has obtained full growth it will look much smaller than it does now. A scar, it is true, can be excised, but after that has been done and the minutest care is not bestowed upon the proeess of healing the seeond scar may prove to be worse than the first. Lost slin will nerer he reprodueed, and a scar can only be made smaller hy ca- cision if the skin can be drawn over the same and the margin can be lept close ellough together to cover the same, whieh is hardly



## Ind. Your mare undoubtedly is sufieriug from some chronic morbid changes, but whether they hare thelr seat in the lings or in some other important intermal organs ean- not he learned frow your communication

Oiepearsis Freeflial

## Cornish Pianos and American Organs



Pianos from \$155
Organs from \$25
asy op basy pavments
 PLEASE ALL WHO USE THEM




RHEUMATISM


# THE GRANGE <br> Conducted by Mrs. Mary E. Lee, New 

declaration or rincipes or the NATIONAL EDUCATIONAL ASSOCIATION

ICharleston, S. C., July 13, 1900. accordance with established cus om, and in order better to entorce hose beliefs and practices which
end most powerfully to adrance the cause of popular education and a civilithe National Educational Association, assembled in its thirty-ninth annual meeting, malkes this
declaration of principles
The common school is the highest hope of the nation. In developing
character, in training intelligence, in diffusing information, its influence is incaleulable. In last resort the com-
mon school rests not upon statutory support; but upon the convictions and affections of the American people. It seeks not to cast the youth of the country in a common mold, but rather for local needs and aims, while keeping steadily in view the common purpose of all education. In this respect it conforms to our political ideals and to our political organization, which bind tion, wherein each locality must bear tion, wherein each locality must bear
the responsibility, for those things which most concern its welfare comfort. A safe motto for the school,
as for the state, is: In essentials, unity; as for the state, is: In essentials, uuity;
in non-essentials, liberty; in all things, in non-es
A democracy provides for the educa-
tion of all its children. To regard the commion schools as schools for the unfortunate and the less well to do, and fatal blow at their efficiency and at democratic institutions; it is to build up class distinctions, which have no
proper place on American soil. The purpose of the American common school is to attract and to instruct the rich as well as to provide for and to
educate the poor. Within its walls Ameatican citizens are made, and no person can safely be excluded from its benefits.
What has served the people of the United States so well should be promptly placed at the seivice of those who,
by the fortunes of war, have become our wards. The extension of the American common-school system, to Cuba, Puerto Rico and the Philippine Islands is an imperative necessity, in order that knowledge may be generally diffused
therein and that the foundations of social order and effective local self-government may be laid in popular intelligence and morality.
The provisions of law for the civil government of Puerto Rico indicate that it is the intention of the Congress
of the United States to increase the responsibilities of the Bureau of Education. We earnestly urge upon Congress the wisdon and advisability of reor-
ganizing the Bureau of Education upon broader lines; of erecting it into an independent department on a plane with the Department of Labor; of proCommissioner of Education; and of so constituting the Department of Edncaof collat while its invaluable function be in nowise impaired, it may be equipped to exercise effective oversight of the educational systems of Alask and of the several islands now depenprovision for the education of the children of the tens of thousands of white people domiciled in the Indian Terri-
tory, but who are without any educatory, but who are without any educa reorganization of the Bureau of Education and such extension of its functions we beliere to be demanded by the highStates, and we respectfully but earnest ly ask Congress to make provision for such reorganization and extension at its next session. The action so strongcontravene the principle that it is one of the recognized functions of the na

## instrumentalities of the country

We note with satisfaction the rapid extension of provision for adequate
secondary and higher education, as well secondary and higher education, as well
as for technical, industrial and commercial training. National prosperity and our economic welfare in the
to come will depend in no small measure upon the trained skill of our people, as well as upon their inveutiveness, their persistence and their gencral in formation.
Every safcguard thrown about the ision for its proper connpensation, ha our cordial approval. Proper standards -botl general and professional-for nitrance upon the work of instruction security of teuure, decent salaries, and a systematic pension system, are indispensable it the schools are to attract and to hold the service of the best men and women of the United States; and the nation can afford to place its children in the care of none but the best.
We welcome the tendency on the part of colleges and scientific schools to
operate in formulating and administ operate in formulating and administering the requirements for admission to
their several courses of instruction, and their several courses of instruction, and we rejoice that this association has consistently thrown its influences in favor of this policy, and has indicated how, in our judgment, it may best be carried on. We see in this movement a most important step toward lightening the burdens which now rest upon so many secondary schools, and are confident that only good results will follow its success.

The efficiency of a school system is to be judged by the character and the intellectual power of its pupils, and no by their ability to meet a series of tech nical tests. The place of the formal examination in education is distinctly subordinate to that of teaching, and its use as the sole test of teaching is unjustifiable.
We renew our pledge to carry on the work of education intrusted to us in a spirit which shall be not only nonsectarian and non-political, but which shall accord with the highest ideals of our national life and character. With the continued and effective support of public opinion and of the press for the work of the schools, higher and lower alike, we shall enter upon the new century with the high hope born of success ful experience and of perfect confidence in American policies and institutions.

Nicholas Murray butler, New
York, Chairman
Edwin A. Alderman, Louisiana,
Charles D. McIver, North Carolina War.-B. Powell, District of Columbia,
Alfred Bayliss, Illinois,
Janes A. Foshay, California Jamies h. Van Sickle, Maryland, William R. Harper, Illiuois,
Charles F. Tiuwing, Ohio
Committee on Resolutions.

## THE GRANGE IN OHIO

The twenty-seventh (last) annual session of the Ohio State Grange closed November 16, 1899. Since that time the deputy masters, who are the organizers, have not all been indifferent to the this order.
We have organized nineteen granges, and reorganized and reinstated eleven, a total of thirty. Besides these there are several others that had gone to the extreme limit of grange law and official forbearance in the matter of unpaid forbearance in the matter of unpaid
dues; these have paid up to date and dues; these have paid up
are now in working order.
of the work done, Worthy Deputy Hattie E. Weymouth, of Logan county, has reorganized one grange, and Worthy Deputy Charlotte G. Norton has organized one. Sister Norton now has two new granges and one reorganization to her credit, and so far as we know holds the record for this line of work, Mrs. S. O. Eggert, of Stark county, being next, with two new ones.
As a rule the reports from the subgranges come more promptly than they did, although it is a little singular that the number of delinquents at the close of each quarter does not vary more than six or cight. The receipts from fees and dues and sales for the month ending February 12, 1900, were larger
nine years. There is no reason why Ohio Patrons should be discouraged. Gladstone once said, "There isn't a healthy, vigorous, energetic, self-reliant, successful man whose example does not breed the same qualities in
others; he winds us up and sets us a-going.
The same remark will apply to any grange. It will be a force for good or
a factor for evil: for cood if its members put its claims in their rightful place, and give it its share of their losing faith in luck as an element of they are ouly capable and energetic.
"The helghts by great men reached and kept Were not attained by sudden fight;
But they, while their companious slep
But thes, while their companions slept
Were toiling upward in the night,"
is a statement that is literally true nore often than we thinl
Our Michigan triends are giving us a splendid example of what can be done by systematic and thorough work. There is but little luck about a canrass
of every county in a state. It mean miles of travel, days of work in cold and storm and mud,' indifference overcome, prejudice removed, effort and time and money given, and success at last! We admire their ability spect their faithfulness, and without a tinge of eny
The history of the last twenty years mply proves that farmers can get amply proves that farmers can get
what they want if they will organize and ask for it, and persist in having it, and ask for it, and persist in having it, aud stay there until they get it. And they are able to take it, or to make some man or some party see defeat if t is not given.
We ought to have one thousand granges and seventy-five thousand members in Ohio. They can be had if we will; it is simply a question of work We ought to have men in office who will remember that they have sworn to enforce the laws, not to permit their open and flagrant violation. We ought to be politicians in the best and highest sense of the word. We ought to judge men in office by what they do, and not by what they say. We ought to insist that when they are elected to office by our votes, and paid by our taxes, that our interests be not neglected nor ou just demands disregarded. We ought to be better business men than twe are, business terms and methods. In striving to attain to all these we will find farm-life interesting enough to satisf the most restless, and its problems difficult enough for the most ambitious. The grange has passed the point nd is just entering excuse or apology, and is just entering upon a period of factor in all the problems that affect the interests of the farmer. That it
will be a permanent factor is shown by will be a permanent factor is shown by now own the halls in which they mect As shown by the last quarterly reports, thirty-three per cent meet in their own een and one third per cent meet at the homes of members

## A. Akins, Secretary.

## EDITORIALS

We are glad to present to our readers the declaration of principles of the National Educational Association. This association represents the highest edt is slowly but surely solving the problems that confront educators to day. It is to the educational
iberations and declarations should be followed closely

The best work of the grange must ever be along educational lines. In haping the destiny of the farming foundations for a sound education for body and soul, in making it possible for every child in the rural communities to ecure such an education as will fit him uting to the welfare of his country and mankind, on these must the grange bas

EYESIGHT RESTORED

Failing Eyesight, Gataracis or Blindmess Gured without the use of the knife,


FOR THE ENLARGED 1900 PEER- LESS ATLAS AND PICTORIAL

Now ready. Over soo Colored Maps and Beautiful
ustrations from Plotographs. Sells at siglit, the unperb Mustrations from Photographs, Sells at siglt, the superb


THE CENSUS OF 1900

THE CROWEL ANDRSS KIRPATRICK CO

 catalogue; choose your premium; then take orders.
No money required if reference is given. Furni: Express Paid. G. BAKR, Dep't 87, Springileld, Mass.
ARE YOU AN AGENT?
Agent or not, are you interested in the very latest
and lyest-paying agency out? Our agents, besides lib
anal terup others. Write us, and we will seld full particulars.
Alh whio work our agencies in good faith, on any of our
tree




You Gan Make a ${ }^{\text {Goong }}$


TELEGRAPHY
OPIUM


弯he problem has long been how
to secure the leisure, and atoo secure the leisure, and al
though in various ways during the last few years it has been remains for the large majority of housekcepers upon the list of things long coreted yet uot attained. To set aside a certain hour in the day
to be used solely for herself has been prored by the houservite an impossiency may be crowded into it, and though she never quite abandons the hope of securing it, the phantom hour vith all its attractire possibilities of the distance as she seems to approach it. Yet the necessity of leisure for the American woman was nerer so appar porers, both mental and physical, so powers, both mental and
The requirements of $\Lambda$ merican living have grown more numerous and complicated year by year, until, like the he material with which it began, and much more besides, a standard is finally developed, that if it were not for some fisetting circumstances would be far to reach.
It is by these offsets that the partial solving of the leisure problem has been the right understanding and further use of them that the supply of time for est and recreation in the American household will in the end be found qual to the demand.
One of them, and a rery important one, is the provision made outside the home for home needs. In the cities this provision is almost without limfation, while eren in small torrns the eady-made clothing for women and children found at all dry-goods houses, the cooked meats, pastry and cakes to be had fresh daily at bakeries, gro ceries and restaurants, go a long way toward lightening home labor if one chooses to take adrantage of them. It may be objected that these necessaries are not upon a par in quality with those of home manufacture; but even allowing this to be sometimes true, the gain in using them must always orerbalance the loss when time and strength on the part of the houscwife are considered.
Another point is reached in the solution of the leisure problem by "let ting go." The tendency of ordinary houscwork, if pursued without needful rest or change, is narrowing to the in tellect, tor the brain, when given noth ing to do on its own account, falls idly into the rut of thiuking about the work in hand, while its higher powers are either dulled from lack of use or remain always undiscorercd. Fet the same work, if not pursued to the exclusion with ood brain-work, and can be made an aid to it by furuishing that experience for the body which stimulates The secret lies in letting go work before one is actually forced to do so from utter weariness and exhaustion. By force is laid aside. which. if it receire a daily addition, will increase after the manner of a savings-bank fund: and like that be ready for the proverbial "rainy day"-sure to come-when reserre
strength more often than any other resource is likely to be called out.

## For the orerambitious but not or

 strong housekeeper it is well to adopt the lettiug-go system and resolutelylive by it as by a rulc. Let go altogether the work that consumes time without resulting in a proportionate
increase of comfort. Let go, also, those increase of comfort. Let go, also, those ties, even though they are desirable, if
there is not strength sufficient for the effort required in accomplishing them. destroying work that falls to the lot of many women the social functions
may be held responsible. A constant ound of gaiety is as fatal to the leisure hour as one of labor, unless the votary
of so-called pleasure knows how and when to let go. Society breakfasts, dinners, teas, rcceptions, the opera and theater in their season, with endless calling ond visiting-count these in cess as among the things that do not pay for the sacrifice made to obtain them. Take from them at least the time to rest, to thiuk, to remember.
Abore all things, let go hurry and worry; they will prevent the feeling of leisure, even though time for it be afforded. They constitute the wear and tear of life that undermine health, making of some women total wrecks, and sending others either to insane asylums or to premature graves.
A few among the number of hurried, worried and tired housekeepers learned long ago how to let go, and upon such blessed hour of leisure. With its peace and quiet and opportunity for thought come a gradual increase of vitàlity, a recuperation of nerre-force, a wideued perspective in the outlook upon life, and a broadening and deepening of the sources of life within the soul. They
who climb let go the rope only to grasp who climb let go the

The adrent of the woman's club furnishes still anothci factor in the solution of the leisure problem, and proves conclusively how much can be accomplished under pressure.
The club at Queryrille was, at the time of its inception and in its own locality, a new thiug uuder the sun, and decidedly an aggressive one. Even the afternoon of traditional "blue Monday" had been wrenched out of the timeworn rut of its occupations and made to serre the purposes of this club. In fact, the latter had actually been named in honor of the inauspicious day, and was known far and near among the surrounding vil-
lages as the
"Oueryville
Monday Club."
A visitor from a set the ball rolling, and the momentum im parted at the outset had in creaseduntil the membership-list of the Monciay Club numbered nearly all the ryville. The name of little Mrs. Hyde appeared among
the last. She had said all along that for club was impossible; she had
 not an hour in

## the week to call

er own, and to get away on Monday ut of the all others would be simply not quite bring herself to the point of flatly declining; there was a sort of pleasant little excitcment about doing, lid, and as her protests had not the force of originality-haring been of fercd individually by each member in turn, as a lind of initiatory formulathey passed for nothing, and Mrs Hyde's name was placed upon the lis Upon consulting the club's program or the season she finds that certain lwoys sure out for her, and as one is hecessary time is abstracted sonehow from each busr week: ret the househow from each busy week: yet the household machinery runs on as of old, even Mrs. Hrde herself being conscious of no
break. She is, horrever, soon conscious that something new has entered her
life, but the winter is half gone before of change-that capricious worker of miracles-has been busy here, and with the aid of the leisure hour has trans formed the patient, plodding, practical Mrs. Hyde into the ambitious, wideawake and interested worker. No matter what the work was, thought goes with it and beyond it. Whether journering with the club in distant lands, and following the Old-World heroes and follo study study of our own republic-that theme derful derful growth, with the great issues past and present engendered by its life-Mrs. Hyde's interest never once flags, while she often finds herself ques tioning her children as to what they have learned at school upon the same subjects. She discovers that there is much she can teach tliem of what she is herself learning, and that their interest in study is increased by her help and sympathy.
The time cannot be far off when, as the product of all the givell factors and of others that might be given, the leisure hour will emerge from its obscurity a problem fully solved-the sure and permanent possession of every woman in ou land. Let ler but stretc forth her hand and resolutely take it, then drop the cooking and cleaning, the mending and making, and use it for thought and study-yes, and for wholesome, restful idleness, too-and not only must a great increase of intellectual power be soon felt throughout our country, but also that spiritual uplift ing which is the fouudation of a deepe and more significant life.

## WHEEL-EDGING <br> mions-Ch, ch

Abbrevtations-Ch, chain; st, stitch; tr, treble; s c single crochet; sl st, slip stitch; p, picot
Ch 8 for a ring
First round-16 s c under ring; join

Second round-Ch 9 , sl st in fourth st of ch for a p, ch 2 , miss 1 st, 1 tr in next, $\%$ ch 5 , sl st in second st of ch for from * until there are $s p$; join
Third round-Ch 24, * tr in sixth st from hook, ch 1 , miss 1 st, $\operatorname{tr}$ in next, make two more ch 1 spaces, then ch 4 , miss 4 st, sl st in next, ch 3 , miss a $p$,
tr on tr, ch 21; repeat from tr on tr , cli 21; repeat from . seren
times, join with a sl st in the third st of the first long ch: the first 2 st of this ch are for a $t 1$ :
Fourth round-* 3 s c under ch 3 , then 1 tr in each of the next $12 \mathrm{st}, 2 \mathrm{tr}$ the next 12 st., 3 s cunde: ch 3 ; repeat from * seven times.
Fifth round-Sl st to the fifth tr, ch 2 for $t r$. miss 1 tr. work a tr in each of fir, 1 tr on each of the next $s$ tr. cross ir on each of the next $\&$ tr, cross orer to the next point. putting first tr
on the fifth tr of point aud the last $t r$ in each of the next 3 st, 1 tr in each of next 12 st., 3 s c.unde: ch 3 , repeat
$*$ seren times.
she realizes that it is indeed the welcome hour of leisure. She has waited no longer for its uncertain coming, but has uuwittingly snatched it while on the wing and laken it into her own keeping. From it she has carried to her daily work new thoughts and aspirations. To the common home duties it has imparted a zest and interest that have long been lackiug. The goddess

How many lovely and tender fancies gairden for bets, mourning-brides, bachelor's-buttons, love-in-a-mist and spinning-jennys. It must have been a prim youth who first lent his name, sweet-william, to the flower that blooms so stiffly by the garden walk, and escaping among the wild flowers what laughing girl could hare been a namesake of the merry black-eyed-susans that set the field ablaze in the long sunshiny days of July?
Even the commonest roadside flowers each have their own bit of legend or history, or perchance have mirrored their bright faces in the crystal of a great man's verse. Such a one is the leuron-yellow celandine, said to be so named because it comes with the swallows. In these pretty lines by Wordsworth it is claimed as his own flower:
> , winsies, kingcups, daisies Let them live upon their praises, Primiroses will have their glory
> Long as there are riolets
> Thes will have a place in story; 'Tis the pretty celandine.

The daisy has always been loved by poets, who called it "day's-eye." The dandelion, with jagged, lance-shaped leaves and jocund, yellow head, bears proudly its name, dent-de-lion, from the golden teeth of the heraldic lion. The loosestrife, a slender yellow flower with four-leared petals, growing along the roadsides in June, is said to have been named after Lysimachus, the king of Italy; but the old superstition that the placing of these flowers upon the yokes of oxen rendered them gentle and sub missive may have given them the name Another flower named for a king is the blue flag, or fleur-cle-lis, which does not mean flowering lily, as is commonly supposed, but flower of gal flower being chosen as the especial emblem of Louis rif. of France. Another flower with a splendid name is the cardinal-flower, which was sent to France by the early French-Canadians as a specimen of what the New World could produce, and at that time wa probably named after the gorgeously attired dignitaries of the Roman church

The mullen, known as the American relret-plant in England, used to be heir custom of dipping the long dried stalk in suet and using it as a funeral torch, while the Greeks utilized the leares for lamp-wicks

The butterfly-weed belonging to the millweed family is another flower which has attained distinctions abroad and at the Centennial much attention was attracted by a bed of these beauti finl plants brought from Holland, prized
opposite the first one; repeat around nd join to ch 2 , sl st to fifth tr , ch 5 st of ch for a p, ch 2 , miss 2 st, tr in ross over to the nent poit 1 sace, and the rest in like manner. Join the wheels $s$ seen in the illustration
The first and. second rounds of the ittle half wheels are made like the cen ound make ch 10 , sl st on fr of last ound; repeat three times, then cove each ch 10 with 15 s c and join to large heels while working them, or with

The first row of border is a ch made work back with ch 1 spaces, at the end of row ch 8 , tr in third st of ch, ch 2 , tr in first ch 1 space, ch 2, miss 1 space, next; turn work, and make $3 t r$ in second 2 ch , ch 2 and 4 tr under next ch $4,4 \mathrm{tr}$ under ch 2 between the tr clusters, ch 2,4 tr under the tr next to next ch 2 , miss a space, tr in next, turn, 3 tr in $\mathrm{ch} 2,4 \mathrm{tr}$ in next $\mathrm{ch} 2,1 \mathrm{tr}$ in ch , turn, and repeat from * to end of This lace makes a handsome trimming for bed-spreads, ends of burea
scarfs, etc. Mrs. J. R. Mackintosh.

## FLOWER LORE



## oms. Milkweed is of commercial value

 winged sceds are so useful in making the fairy-like pompons, which are col ored in delicate sliades and used for try had an order to the amount of one thousand dollars, which liept himself and family busy for some time.The name of our innocent little clover came from the Latin Clava, or clubs, in eference to the fancied resemblance between the three-prong
Tlie dainty little pimpernel, found in sandy fields and along roadsides, is so sensitive to the weather that it fold its petals at the approach of rain and fails to open them at all on a wet or cloudy day. - In fine weather it closes in the afternoon and sleeps until the next, morning, when its tiny petals, usually of a bright red, but sometimes white or blue, are opened. This mod st little plant, called the poor mans weather-glass, should be cherished in

Our familiar roadside blossom, chic ory, with its "dear blue eyes," is extensively cultivated in France, where its leaves are blanched and used as a salad The roots, as we know, are roasted and mixed with coffee both there and in England. Horace mentions its leares ells us that the Egyptians used it in tells us that the
The sunflower is the flower of Clytie he goddess who turned her face al day to the sun. So Tom Moore writes:

I will not have the mad Clytie,
Whose head is turned by the sun;
The tulip is a courtly queen,
Whom, therefore, I will shun;
The corslip is a count
The violet is a nuu,
But I will woo the dainty rose,
he St.-John's-wort, whose bright yellow flowers on profusely branched stems are noticeable in the fields and along roadsides all summer, has been onsidered a good remedy for melanholia. For this reason it is called "fuga daemonum," and this may have given rise to the idea that it was useful in dispelling evil spirits.
"Perhaps more superstitions," says Mrs. Dana, "have clustered about the St.-John's-wort than about any other plant on record. It was formerly gathplant on recor on St. John's eve, and was hung at the doors and windows as a safeguard against thunder and evil spirits. A belief prevailed that on this night the soul had porver to leave the body and risit the spot whele it would be finally summoned from its earthly habitation hence the all-night vigils which were observed at that time.
"The wonderful herb whose leaf will deci
is the St.-John's-wort, and the maidn's fate is favorably forecast by the healthy growth and successful blossom ing of the plant which she has accepted as typical of her future.
The jack-in-the-pulpits, with their purple-green hoods, are called lords and ladies in England. There is the sweetest story about the stains on their hoods, which legend claims were re ceived at the crucifixion:

Beneath the eross it grew
And in the rase-like hollow of the leaf, A few mysterious drops, trausmitted thus Unto the groves aud hills their healing stains,
A heritage, for storm or vernal shower
These stories and many more may be found in that delightful book of Mrs. William Starr Dana, "How to Know the Wild Flowers." Other books for young, people are "The Fairy-land of Flowers," "Little Flowe
A new set of nature-books by F. Schuyler Matthews gives "Familiar Flowers of the Field and Garden." With some such help the flowers will not only and we shall thus come to feel acquainted with them.

Frances Bennett Callaway.

## THE SERMON OF LOVE

## devoted hrother!

Twas just that slumple one and sweet-"Love oue another!"
He must hare kuown my heart made moan in all this life so dreary
seemed to preach at Mary!
She turned her eyes-blue as God's skies lud wheu that dear text came ringing, to my grieviug soul's s
uot iu the singing;
ght I heard her llps repeat the text of that dear hrother
And that her heart was saying,
love-love one another!'

## tion over, <br> fied with of clover <br> Aud then I told her, all the lo <br> And now, throngh life, - Atlanta Constitution. <br> <br> SEPTEMBER HINTS

 <br> <br> SEPTEMBER HINTS}September is pre-eminently the month for canning, preserving and pickling, and yet just now is the time to chauge the old proverb and "never do to-day what can be put off till to-morrow," Of course, fruits must be attended to in their season, but tomatoes, cucumbers and other vegetables used for pickles, catchups, etc., by a little planning can be had at their best the last of September instead of the first. The weather will then be cooler, and it is the experience of housewives that the later this work is done the better the success.
One of the most important things to be observed in canning is to be sure that your fruit is just at its most perfect state-not too ripe, but freshly gathered. Some housekeepers can fruit without sugar, but I do not think it is as good as when the sugar is added at the time of canuing; but it is better to add the sugar only a few minutes before the fruit is cooked sufficiently before the fruit is cooked sufficiently. Set the sugar over a kettle of hot water or in the open ovell, where it will heat, then it will not stop the boiling of the frait when it is added. It is always better to cook a smail portion of the
fruit at once, just enough to fill one or two quart jars.
Never can grapes without removing the seeds. To do this, slip the pulp out of the skins and boil the pulp until you can rub it through a colander, which will remove the seeds; then put the pulp and skins together, let come to a boil, add the sugar, and as soon as it boils up enough to dissolve the sugar fill the jars, and seal.
SpICED GRAPES.-These are nice to serve with meats. Prepare the grapes as for canning, then to five pints of the grapes add five pints of sugar and a grapes add five pints of sugar and of ginger-root and three teaspoonfuls each of cinnamon, cloves and allspice. Let it boil slowly until it will almost jell or is quite thick, then seal in glass jars.
Sivert Piciles.-Peaches, pears or
sweet apples may be pickled by the folsweet apples may be pickled by the fol-
lowing receipt: Take seven pounds of lowing receipt: Take seven pounds of come to a boil, then put in the fruit, which lias been previously pared and two cloves stuck into each. Put two ounces of ground cinnamon and allspice and one ounce of mace into a thin muslin bag, and let it boil in the vinegar Boil the fruit in the vinegar until a broom-splint will pierce it, then seal in glass jars.

Cucumber Pickles.-The following receipt for cucumber pickles nerer fails to give satisfaction. Be sure that your cucumbers are fresh little ones, about three inches long. Put them in an earthen bowl or crock, and for three mornings pour hot salt-water over
them-one cupful of salt to six quarts them-one cupful of salt to six quarts The fourth morning heat some weak vinegar with half an ounce of alum in it, pour over the cucumbers, and let them stand until the next morning. Put them in stone jars or glass cans, put half an ounce of white inustard-seed to each gallon of pickles, and a small lump of alum-about half an ounce. Fill the jars with cold rinegar, lay horse-radish leaves over the top of the pickles, cover closely, and set in the cellar Sweet and spiced cucumbers may be
nade by adding sugar and spices, boil- lieved, will be an improvement on the ing the rinegar, and pouring it over one shown, and it is thought these these pickles at any time.

Chopped Pickle.-One dozen large, perfectly green tomatoes, one dozen green cucumbers, three heads of celery, three large red peppers and three white ouions. Chop these together, scald in weak brine, drain, and scald again in one quart of vinegar and water, half and half. Drain from this, and pour on lot one gallon of vinegar in which you have put one and one half pounds of sugar, three ounces of white mustardseed, a teacupful of grated horse-radish, one teaspoonful each of ground black pepper, mustard, cloves and allspice, lialf teaspoonful of red pepper and a tablespoonful of ground cinnamon. Pu into pickle-bottles or glass jars, and
seal. Maida McL.

## NOTHING NEW

We were at the old farm, under the We were at the old farm, under the us-and grandfather was the center of interest.
"They say this is the age for young people, but seems to me I have the seat of honor among you, and do all the talking," said grandfather, as one and another kept him answering questions.
We had just been paying tribute to the venerable elm in front of the house, when oue of the company said, "Grand father, did you read the notice of the falling of the old elm at Fort Meigg not long ago? You used to be there did you not?"
"Yes, I was up on the Maumee a long time. It was up there I got my nickname, 'Sun-a-go' (spry as a squirrel), from the Indians. If they saw me with my canes they
"It was that tree that Paul Navarre, the scout, climbed and warned the fort of the approach of the Indians. That tree as a signal-station had a good place in history.
"Fort Meigg was built under the direction of General William Henry Harrison, at Tippecanoe, the home of the treacherous Indian prophet." Grandfather then broke into a song

## The tenth of September <br> Let us all remember

As long as the world on its axis goes round.'
Grandfather talked on: "That elmtree at Fort Meigg again became famous during the time General Harrison ran for President of the United States. That was the last time I was under the tree, but I climbed the tree many a time before. That was a great mass meet ing under the elm, and to this day I remember some of the things that General Harrison said. 'I have been asked,' said he, 'since my nomination to asked,' said he, 'since my nomination to declined, as my political experience has declined, as my political experience has
been that the more pledges a candidate been that the more pledges a candidate makes the more trouble he gets into,
and really the more untruths he is in and really the mo

Grandfather, you know most every thing, and have seeu a great deal," said Henry, "but there is one thiug you will have to acknowledge is new."
"What is it, my boy?"
"Automobile, or the horseless carriage," was Henry's answer.
"You just wait a minute and I will show you something," was grandfather's reply; and he hobbled off to his IIe
He soon returned, bringing his famous note-book with him, which was partly partly of scraps pasted in.
nd partly of scraps pasted in.
"You know I have told you
You know I have told you that I went on a whaling voyage-yes, more
than one voyage-with my uncle seventhan one voyage - with my uncle seven-
ty-five years ago. We were in Dublin, and while there I saw and heard much that was at least strange to me.
Grandfather put on his glasses, and read: "'A Dublin coach-maker attracted much aftention by showing a handsome arriage ingeniously made, having three wheels. The carriage was propelled by a gentleman sitting therein. It moved at the rate of not less than eight or ten miles an hour. The force applied is four levers, which are alternately acted foot. The carriage can make an or vith much carriage can make an angle oach drawn by horses. The than a building another one, which, it is be-
horseless carriages will supersede the preseut system of mail and other oaches drawn by horses.", It seems to are taken a good while to perfect hem, added grandfather, "but you se "I guess," said Bessic, "that you agree with the 'preacher,' that 'there is no "And I guess it is sun.
"And I guess it is true that things are not new, only there are a great orces and material on the earth. There s no nced of further creation; that person is a genius who is able to use the hings at hand."
As the housc-parly broke up one of the young people said, "Grandfather can preach a nice sermon, no matter whether he takes a tree or a chariot for his text, and he was not a minister at all, was he?"

Mary Joslyn Smith.

## SOME SEASONABLE RECEIPTS

Peacil Shortcake.-Butter a bakingdish and fill to the depth of one inch with rich, soft peaches; then make rich biscuit-crust rather soft to han dle, and drop on the peaches with spoon, about three fourths of an inch thick, and bake for three quarters of an hour in a moderate oven. Serve warm with or without
whipped cream, as preferred.
Baked Apples.-Peel and core ten uedium-sized apples; place in a bak-ing-dish and fill the holes with sugar. Then make a sauce of three tablespoonfuls of butter and three tablespoonfuls of flour creamed, and add boiling water to thicken; pour over the apples, dust over with nutmeg, and bake until a broom-straw will pierce them easily, basting them with the sauce in the pan once or twice while baking. These are delicious served cold with or without cream, and can be made of sweet or sour apples.
Old-fasmioned Apple-slump.-Butter a dripping-pan and fill one inch deep with apples; then spread over a rich biscuit-crust and bake until the apples are soft; then turn upside down on a platter and spread butter, nutmeg and sugar over, or serve with foamy sauce.
Foamy Sauce.-Cream one half cupful of butter and one cupful of sugar, add nutmeg and the yolk of one egg, then add one cupful of boiling water, and add one cupful of boiling water, and
serve. M. H. Baldwin.

## MAKE THE TEST AND SEE IF-

A dish-cloth made of two thicknesses of cheese-cloth is not preferable to one of crash for washing glass and china.
-Store-cloths half a yard square, made of denim, ticking or cotton crash, are not better in every way than padded holders for use about the kitchen range
-Keeping on hand a generous supply of dish-towels, jelly-bags, iron-holders and similar homely necessities is not "a spending that spares.
-Dust-sheets of indigo-blue print, well made and of different sizes, according to the proportions of your furniture, are not a boon on sweeping-day.


築Was a young lady from Boston
who was overheard to remark, as who was overheard to remark, as
she strolled out from the theater, "Realls, you know, we hare a sereral years ago; hut in spite of Intercsting? Indeed it is, erer instant of it, from the moment that the
tourist steps foot on the charmed but fliuty soil of Oberammergau until the last of the spectators has takeu his departure. Iutercst
ing? It is the experience of a lifetime Former pilgrims to Oberammergau shrug
their shoulders and saly, "Oh, dear, it is nothing as it used to hc! To think of coming directly to the 'Passion Play' br train. It
robs the whole thing of its quaintuess and charm." And so it may, hut it puts the would not otherwise he able to witness the perforuance, and instead of riding dustily
or tramping laboriously from Oherau to Oberammergau one is ahle to start fron
Muuich in comfortable carriages of first, secoud, ses, and third class, the latter be ing a trifle hard for the last hour and a
half, but still not the worst thing in the world for a tourist. The ride from Municl
is not especially iuteresting. Imagine trolley-ride through an especialy
noont pasture, with the white moutains at May-time in the distance, and one gets an but from tiat time on there is nothing with of porters storms the cars and carries away rour lakel-adorned belongings and trophies, which make the platform so deafening. Either you "follow the man from Cook's" siege one of the other agents. The one important question is, Where are son to find
sour lodgiugs? Bahel itself could not hare been more confusiug. "Two rooms for bed for Mrs. Perkins?" "I telegraphed from London for a room." "What name?" "Robiuson." "Nothing here." "Two beds for
Mr. Perkins." "Irudolf, Herr Mayer." "
have two young ladies-" "What name?"
"arrs "Hilliams." "Hans." "I
 so it goes on for an hour, until one ronders
if order can ever he restored out of this ehaos. fied rerr readily thens things are all simplimodations have been tabnlated, and while bedlam has been reigning the agents hare been selecting the right names, sending
the ner-comers off to north, east, sonth and west with the most interesting of guides. cination, for their long hair and flowing cination, for their long hair and flowing that mauner from tradition or for the exigencies of the "Passion Play." I found out in the afternoon and perched myself in a chair where the only thing that I could see
was a beer sign adorned with a lithograph from "The Belle of New York." With the fifth stroke the barber had my face muti-
iated in a manuer that will he risihle for weeks. Any one wonld let their hair and heard assnme a patriarchal aspect rather than
risk such a sharing. These men at the starisk such a shaving. These men at the sta-
tion were in peasant attire-slouch hat with green collars, green rests, short gray tops of the thick green aud gray stockings, One of these men grasped mus solitary bag and trudged off with it hefore I requickly followed. "What a tiny hamlet!" of the hills, the covered theater and the
quaint roofs. "Winl it never end?" I groaned, as I staggered aloug after mr
guide. The sun was heating down with
terrlfic intensity; there were sidew terrlfic intensity; there were no sidewalks,
the streets were dusty, filthy and woefully hard, and my leader took a pace that was
natnal for him, but was not at all suited to natural limits of a foreign compartment-car. It looked like a stage city as we hurried
along, for the dwellings did not look hab-
itable with their quaint, low roofs and their plastered walls, upon which in many cases in others fantastic filigrees ahore and be-
low the windows. I found the substantial reality rery soon, when I was ushered into a room up beueath the rafters, where two
beds with the most nightmare-inspiring
feather-beds for coverings were the chief feather-beds for coverings were the chief
ohjects of interest. Still everything was
wonderfully neat, aud the most fastidious could not object. The food, ton. was sur-
prislngly good and in large quatutities. The
epicure will ask what was served. I could uot answer, for it was all good; but if it
had heen broiled cats and crow saute it
would have heen deroured with avidity ln the hracing air.
Hith the afternoon one went about the cxcelleut whod-carvings aud glaring post-
ards. This halit is cards. This halit is a growing one with
tourists, and one hegins to wonder where $1 t$ tourists, and one hegins to wonder where $1 t$
will end. Do the dear ones at home really yearn to know from Bingen "We bad griddleakes for hreakfast; did you, Turtle Dove?, that "Father's corms are trouhling him more than ever, but mother's teeth do not sent as a message from Munich, with an allegorical representatiou of Bavarla and Howerer, the multitude rushed for the pie tures, and only a few noticed with regret that the players in the sacred tragedy did not hesitate to impose upou a crednlous
puhlic pictures that had done service iu 1890 . After dusk the place assumed its gayest spect. The protecting mountains seemed twilight, but the t winkling lights of the litthe village assumed an air of general festivity.
All day long the visitors had been comAll day long the risitors had beell comand now all were out for a stroll The tho predomiuant were out for a stroll. The $t$ rio dar-school teachers. The former did not hesitate to take their ease at the little tables in front of the iuns and quaff the exccleut heers served in monstrous steins, ion of saiety or fromned at erers indicapriests with rohes and priests withont,
priests with beards and priests cleanly shaven, but they were all the honored uests of the rillage, and every passer-hy had a kiudls greeting for them.
Toot, toot, up the street came the blare of what sounded like a street-band, and in an instant the symphony orchestra of Oherbearded porters were all masicians, and they played gay airs as thes marched in the hamlet, bare-footed, long-haired, but as happy as kings.
Gradnally quiet came on, as the tourists ramhled homeward to hed, and only the two giant mountains stood silent guard over the
village, which was sleeping in preparation for the morrow. Sleeping? Temporarily only, for it seemed as if oue had only reg-
ulated the monster feather-beds whicb serr as corerlets when the church-bells set up prodigious clanging and the whole rillage was astir. It was the call to the suurise mass, which was held in the little churcb for and which every tourist in Oberammergal ried to attend; as a result the quaint little churchyard outside the bnilding was filled filled with what closely resembled a foot-hall rush at an American college. Some got stranded in the doorway, but others got inralls and ceiling the attractively frescoed carriugs painted aud gilded, and the wortion the service, which lasted for more than an hour. The organ had the assistance of
sereral hrass instruments, and the almost sereral hrass instruments, and the almost
constant music had au additionally attractire Then
Then came the skirmish for breakfast, after portant event of the das, the sale of tickets for the "Passion Play." At the opening of
the season the hedrooms in Oberammergau and the seats in the theater were given a ensus, and tickets were distribnted accordingly. It would hardly do for a man to of the perforuance, for unquestionahly all
had gone long ago. For example, at the performance of which I am writing more than a thousand more wauted to see the play, and
so the authorities arranged for another performanc
Clonds of dust all over Oberammergat accompanied the pilgrims to the theater, jnsi
as pillars of fire guided the followers of Moses. Smoke was not permissible within a unconscions puffer of a cigar or cigarette met belmeted policeruan
Inside the great theater eversthing was life and activity. All countries of the world had sent their thousald or more represen-
tatires, Germany maturally having the most, but America conting ahead of England so far a new institution of the prescnt seasou, so that tourists no longer have to sit exposed
to the glare of the Oherammergau smin for the risk of a drenching from a suddensed Alpine shower. The seats rise in a gradual incline,
stage, which has the same background that
has caused so much delight in vears hack. one seemed in imagination to he glancing
upon a street scene in ancient Jernsalem. At the right and left respectively were the
houses of Annas aud Pilate, and heside them stretched atway streets, with houses on either
side. Iu the center was what looked like the course of the day as the Garden of Eden the Temple, the meeting-place of the San. short, this was the stage for all the episodes minltitude. It was now shut off from hy a screen, with paintings of Moses. Isaiab the air, and behind the mimic buildiugs one conld sce the real walls of the Bavariau glomntains rising high in the air and with The fresll Alpiue hreezes hlew freelr chness The fresh Alpiue hreezes her freels througl aud large windows iu the sides, and gave an effect of freedom that is nerer and gare an ordinary theater.
Guns boomed aud echoed from the hillside giving. the signal that it was tiue to begin, mysterious strains of mysterious music, for the orchestra had a sunkeu well much tbe same as at the Wagner operas at Berreuth. left a quainched from the extreme right aud dressed in gorgeous hues. They were the guardian augels, who, like the old Greek clowns, are the interpreters of all that takes Whace upon the stage. Their robes were of
white, tied with White, tied with gold cord, hat each had a whole being surmounted with a cromn of gold. The leader was a man of patriarchal aspect, with a long, fowing heard of silvery
white. His robe and mantle were different from the others, for ther mere all white although embroidered with gold thread. His crown was of unusual size, and in his hand he carried a great staff with a golden glohe for a tip. His very stride was that of a verpersonage. So he was. for this leader is the hest-known and most-talked-of man of all
Oherammergau, Jesef Mayer, the famous Christ of the performances of $18 \mathbf{1 0 - 7 1}$, when the special series was giren to complete that
iuterrupted br the Franco-Prnssiau war, 1880 and 1590 by the rranco-Prassiau war, 1880 and 1890. No other man had erer played the part so many times or so impressively, and mau must have heen wben the allotment was made and he saw the part, his part, giren to a younger mau. Still it was inevout of the question in these performances Still an actor would sas that he ought not to complaill, for now he has the center of sional player, more than half every profes evidently appreciated that fact, for he posed in such a "look-at-me-I-alu-the-only-person-on-the-stage" manner that the new-comer won-
dered at the stories of wonderful effect that dered at the stories of wonderful effect that lad been handed do
After a few minutes of song and recitatire the chorus drew backward and the ceutral sion of Adim aud Eve from the Garden of Eden. Before their departure they had taken the time to secure an elaborate outfit of sheepskins: but that was a marmer garb The sig-leares in the keen Barartan ater. from the old Testament precede its fulfillment in the New, and so when the curtains retired the war hegan with the eutrs of Christ into Jerusalem aud the expulsion of the moner-changers from the temple. It showed the standard of this proâuction. Up women and children, waring palms and shouting hosannas. There wats none of the everything occurred as it might in life. It was a striking multitude iu appearance, for the rohes were of every variety of hue comconstants varying. The flowing thards wad bair which had secmed incongruous while waiting for a train in July, 19\%0, now seemed perfectly larmonious with the dress and hack of au ass came Auton Lang, the central fignre of the play aud a wonderfully handsome soung man, with flowing hair and given to Jesus. He adranced to the temple, trattic and few quick words de onnced the raftic and overturned the stalls. That action in the basket. Out they flew into the anditorium, over the heads of the spectators, and darted through one of the oper windows, to fly away lomeward. The strife of the priests against clurist was fanned into tlane hy the their demand for justlce.
Back trooped the chorus again. to Intronuce a tahleau showing Jacolb's children conspiring the Sanhedrin. Where Caiaphas, Anmas and the Sanhedrin. Where Caiaphas, Annas and ou by the traders. The tablean was like all
the others, an exemplification of the perfeet

Was natural and wonderful tor peasants.
Their articulation was perfect, and the constics of the auditorium were so well aranged that not a syllable was los
Aud now the guardian angels returned, aud
$r$ this time it had hegnn to he somewnt hore as compared with the rest of the per-
ormance. Their selections mere loug, their droning was monotonons, and, if the truth Thile they held the stage. Now ther introduced double tahleaux-the departure of Tohias, sceue from the Apocrspha, aud the hride master. These prefaced the departure of
Christ froun Bethany and the leare-taking reparation for tbat last journey to Jerusaem. Mary Magdaleue appeared in that scene and in her I recognized the pretty girl wbom I had seen the night hefore in the kitchen
of my little inn, checking off the dishes Wich were cooked and served to the moun on the street or in the cating-room, which har quaint tiled store iu one corner an Surely here was a good actress masted, for she bad a pretty and expressive face, and the pathos of her roice would bring her mind from Oberammergau, father's inn with the young men of the vl lage, is extremely improhable.
. Ahasuerus representing Vashti's repulse journey to Jerusalem, where Judas man the first promise to hetray Christ; and then antire piece-the most moring scenes of the in actuality the painting by Da rinci. introduce it and to show the coutrast with it simplicity were masses of multitudes at the athering of the manna and the at the he spies with the great buuches of grapes, which seemed large enough to furnish wine to satisfy the thirst of all the excursionists her was shown, and the bibliclle chamere repeated almost word for mord. There was little talking; ererything was in action, and the thousands waited almost breathless, watching the sceue. So. close was the at that the some of the momeats of pantomime like a loud noise. Here Antou Lang proved his gevius as an actor, but be did proved the power for pathos that followed later in the night in Gethsemane.
Back strode Josef Mayer, leading his ehor him in pantomime Judas did the same thitu for his Master before the Sanhedrin, and the little party started forth for the hetrayal tures, one showing the toil of Adam after the curse, and the other the treachery of Amasa. Then the curtaius were drawn, and the dark depths of the Garden of Gethseman ere revealed. Christ eutered with his dis ciples, aud left a part at the gate, to watel
while the chosen ones came nearer. Thes oo, fell asleep, and Christ had express the be ris feeling at the bund of his trial Whe words were few, hut by his look and walk Anton Lang succeeded in producing on that must ever linger in the memorr those who saw it. It was great actiug, and wben one considers that it is given by a tains of Bararsil it is all from the moun ahle. Outsiders approach. The betraser is at hand. The fatal kiss is given. The Master is dragged in custods. As the cur
taius close together there is a sthr among the audience, and one realizes that the first halt of the "Passion Play" is at an eud. The
spectators had been sitting there without iutermission for nearly four hours, for ther was no going out between the acts, since the
instant one episode was orer the omnipreseut chorus was ready to troop ou to introduc opportnnity that one had of stretching tired legs aud straighteniug cramped hacks. I chance to go to their lodging-places for din. when the hody was late at quarrer past one, catered upon. Tableau and action followed each other in quick succession, as they did in the play which was so vivid that it dwarfed ererything else in the cutlre play, and made the remainder of the afternoon seem in-
significaut to the spectator by comparison. It was the march to the cross, which was, Without question, the most impressive dra doubtful if any one could watch it with dry the simplicity and pathos of these plared of Oberammergau. If so, what can be said of these simple peasant men and women who see the play, of the uohle fathers whose vers faces told the story of respect and admira-
tion of their congregations, and of these humdreds of church-goers from Eugland and Ameria, who have helped to make up this
Oheranmergau throng? A sad procession made its way op the little Heading it was the Man of Sorrows, stagger
iug, faintiug beueath the weight of the great
eross. We had heen touched wheu we had
seen hims scourged, when the crown of thorns
nad heen pressed down with brutal fore had heen pressed down with hrutal force
npon his hrow, hut this was the culmination. npon his hrow, hut this was the culmination. their crosses, the soldlers and the jeeriug nother and the sorrowlug friends of Chist but not a word was spoken
essary. The smhstitute
Into serviee, Verouiea of tradition wiped the
face of the Lord, and the sad procession
Gloomy mantles of black replaced the gay and their interlude was onc of lutensest sorrow. In the pauses one conld hear the within; they were nalling the men tot jnst cross. When the curtain was drawn two crosses had heen raised, aud the third was all in readiness. How Anton Lang was ever mas
tened upon that cross must remain a mys tery; apparently he was mailed there, and no other support than the nails, which seemed to pierce his lands and feet. And there he died, with in rattling of thunder and the the body from the cross aud laid it upon the ground; hut even then the mystery of the stage cflect was not solved. It was some ingenlous stage trick-and rmmor bas it that one of the leadlng stage uanagers of Germany was for hut it was perfectly done.
The crnclixion practleally ends the play, follow, they are hrief episodes, and cannot arouse much emotion after the pathos that has gone before. When the last words were sung there
Applause!
It would be as muci' in place as kid gloves on the monkeys in Ccntral park, or hydraulic the Park-street station of the subwhy
It was a well-meaning hut imprudent part of the great audience that eheered, and the spontaneous outhurst of hisses that followed taught the necessary lesson. It was mucb better to go out in sllence and carry the
lesson as far as possible nutll the ambitious penders of Oherammergau iutrude inpon you venders of Ohernious. There is no Snuday losing here, and the shops are all open, aud the hardest-worked people in the entire village are the vivacious venders. Who go bustling ahout with great steins of Munich beer
lranging on their fingers. After. the "Passion Play" heer and timc-tables! The rush from began at once. Whe the dusty ronds we filled with men and women on foot and in tion was the widest that Olerammergau bas ever known; and along the tables of the inns many of the players found liqnid refreshment after their long day of arduous work.-Bos-

## HOW LETTY FEATHERED HER NEST

Marsur hid heeu called and it was commonly said of her that she didu't have red hair tor
nothing. Her clear compleaion, delicate featmres imd large blue
eyes that tiashed with funt or twenty, hat at thirty the features
> were a little pincbed, and a line or two in acquaintance with that griur old lady Dame chool-house was the reacher at the brick puplls were few and its sessions short-and after her mother's death (which occurred in the spring) sbe rented part of her cotlage to an honest old couple named Bush, retainiug hedroom. Here she had lived aud "house kept," taking her ineals all alone, for six eight months before this story hegins. ing, and a sleety northeast storiu was just own fire and fill Letty, having lighted b usuall to make a fire in the sehool-bouse. She had not far to go, and being a model of a roarlng blaze, and was drawing ou her old hood preparatory to a return when sbe
caugbt sight of a well-known tearu at tbe waterlng-trough opposite. I say the team was well known, but for a moment she was
in doubt as to the identity of the fignre which sat llke a statue of reslgnatlon hesid the colored fellow on the front seat. and then without further hesitatlon she flung exclaiming, impetuoustr, "Mr Grandme Di mond, wherever are tbey taking you sucb a day as this? You're blue with the colt already! You're not going away, are you?
old woman who sat looking down at her, and the heautiful dark eyes, as full and hright
as a girl's, sbowed tbat sbe was no cowardly or passive spectator at the drama of life.
she said, in a decp, quiet roice.
The sclooluistress' quick eves now glanced he woden chest, the carpet-hag and paper undle.
"It can't he they're sendiug you over
here?", she ericd, sharply." just where I'm
"'Yes, buy dear, that's, just hound for: Dou't hlame 'Louzo-he's got joh, and he can't stand up against his wite I didu't oppose cmany. I'd hate to rilc up Diauthy.'
Letty, "with your pride and independence, and after hringing up il family! Well, I neve heard of allything so slameful! It's all that
selfish, scolding, scheming danghter-in-law of yours, I know that! The poorhnase!" she repented, with growing reheneace.
the poorlouse is a disgrace to this town; it's crazmed out to the lowest hidder, and there's
crazy there, hahy, and old Dutch Pete, and they say they
ecp in one
"The Lord always las taken care of me-he
ways will takc care of me," said the old womau, steadily,
"I'erhaps he has-I don't doubt it. He's going to
heal me?"
'Yes, uiss, I hears you," responded Sam Who was crackiug his whlp suggestively Dimond to my house! She isn't going a step further-not one sten! Poor-farm indeed! Not while Letty Marsh bas two hands and a

Mother Dimond tried in rain to protest
Letty's spirit was roused, and she refused to listen.
'Righty I don't care whether it's right or not!" she cried, hotly. "You sha'n't go to the poorbouse if I have to take in washing and
do it Sundays! I'll manage somehow-I don't know how-but at least you shall sit in peace in a decent room with no crazy men or scolding Diauthus to frighten you makes my blood hoil to think of that woman Now don't say another word, but let me lock the door here and jump in and ride hack with you. It's no use to argue, for I alway,
have my own way in the end, and it only ruftles me-you know I haven't got red hair for nothing!
When the news was circulated that "Leety IIarsh had adopted old Grandma Dimmen" people shook their head. and pronounced it a piece of duub foolishuess.
said one. "She'll have to step one hedronn," tlat's what she'll have to do, and garrets are cold aud lonesome this time o' year."

What'll they live on?", asked another. Letty can't but just manage to make out when her ma died, aud the red brick scboolhouse ain't a honanzy, not hy a good deal. "Letty don't know whieh side her hread's huttered ou," declared a third. "Cliere's John White-she refused him ten years ago
for the sake of Harvey Dimond, and now for the sake of Harvey Dimond, and now
he's a widower and she's an old maid, or he's a widower and she's an old maid, or
next thing to tt, au, Harver gone nobody to give her another chance; but he'll be terrible soured to see
IIarver's relations
So said the neigbhorhood gosslps, and in all three instances they spoke perilously near the trinth. Letty mcanwhile made a
trip to the village, and there perfocted plan which she proceeded to unfold to Moth er Diuond as they sat cutting rags Fridhy "It's. all settled, and we can hegln to morrow," she said. "You know there's a
Womau's Exchange in town, and I've been Womau's Exchange in town, and I've been
there and found out all ahout it. It seems they have aralanches of cake, frosted and plain, and pies lyy the cart-load, hut tbere's alwars a demand for salads, clicken brotb, jellied chicken and little cold rclishes that people can have on Saturday and Sunday nights, when their glrls are enjoying their 'afteruoons oat.' I like to cook, and rou
can help plek the chickens, chop the celery, and do ever so many things. And you
know Alonzo always goes to towu Saturdays, know Alonzo always goes to towu Saturdays,
so he cau leave our hasket at the Exchange. I shall get up before dayligbt to-morrow, hoil one of my home-cured bams, and make veal-loaf and a hatcb of Gerinan kaffee-
hrod"-she thought that would take "Now, don't say a word! I sball do my own baking hetweentimes, and grow younger and younger, like one of Swedemborg's augels. A
schoolma'am must have somehody to tall schooma'am must have somehody to talk
nonsense to. at least ou holidars." And Miss Letty, to prove the point, kept up a fire of suall jokes until Mother Dimond bad time to reeover herself. As soon as she could steady her volce, the elder woman said, fervently:
"I can't thank you and it's no use trying "I can't thank you, and it's no use trying; up to yo
The hlond rushed to Letty's cheeks with that, and her hlue eyes flashed in a way tbat explained the term "spirity," as she re-
sponded, wlth euergy, tbat "rhere was nothing she wanted less, and that Harver, in fact was a subject that would not hear discusSeven years had passed since Harvey
Dimond, the tall, brown-faced for wbom New England "wasn't hig enough

West, He wis in, hald left home for the hors, heing as ilttle fuclined to "settle dowu" as a bateh of half-risen dough; hut his moth in splte of her owu uarrow life, and sent him letters eume fressing. For an chthuslastle over the chatms of Montana, any oue of these adises.and wheu he came home it would he in a style to make the townspeople stare. The nto years, and not mather line, not a syllahle Good or had, was reccived from the wander er. His last letter, writteu from Ollahoma In some dirt out here;" hut the tardy home inquirles proved frultess, aud as reports
bloodshed and lawlessuess in that distant erritory found thelr way East, some said that Harvey was dead, others that he had n her hoy never wavered. Even Letty satirieally "hoped he was eufoying his cowboys
and bronchoes," and concealed her alteruatious of lore and resentment, hope aud de-
spair, telling no one that hls parting whisper She did renmember that wlater, as sli she the forenoous and saw his old mother sitting at roolen dress and knitted cape, the string of gilt beads that she had rrorn from a girl hout her ueck, :nd her stroug, wrinkled fac
right with interest and contentment. Alonz topped in every week, always hringing some homely offering -a picce of spare-rih, bagful a extra hit of wages; and he came down of veniugs and sawed and split all their wood His shrill-tongued wife also ran in occaslon-
ally to gossip, eriticize and ask questlonsally to gossip, eriticize and ask questlons-
that was one of Letty's trials. As for John White, instead of howiug and smiling formerly, with an air of hopeful interest looked at her first disapprovingly, then wit ill-disguised resertment, finally he holdy manded what. she meant hy this ridiculous honseuse, demeaning herself and spoiling her chauces hy saddling ber hack with a helples old woman who was hetter off in the poor hlazed on thls occasion, and how she releved her mind in au auswer full of spir and eloquence, and afterward huried her fac on Mother Dhnond's hosom and had a goo cry. So the long cold months crept past, and
April came, and with April the Easter holApril
Idays.
Letty will weve forget that Laster s long as she lives. Orders poured in $h$ the dozen, for there were many festivities in
tor skill as a cook had gaiued her o small local repntation. Early and lat he was in the kitchen, choppling and crumb ag, beating eggs aud componnding sauce cession of fowls, nest was well feathered in one sense, at least.
"Drudge, drudge, drudge, that's always t he my fate!" she nuttered, rehelliously, after scorching her apron, teariug her aress and upsetting the pepper-box into the flour-bar
rel; and only tbe sight of Nother Dimond's rel; and only tbe sight of Hother Dimond's
happy, unconscious face could make the happy, unconscious face could make the
prospect of such a future endurahte. On prospect of such a future endurahle. On
Friday night an imperative call for two ozen chicken croquettes, to be ready the long list of engagenents aud effectually de stroyed all hopes of getting a hat trimme for Easter. She was up the next morning at four o'clock, and by seren had her work well ander way. It was a warm, almost sultr. icions scents of fresh earth and lifac-lear and showing a bit of the green sard studded with dandelious. As she hurticed from one task to another, seasoning, tasting and con-
sutting the oven, the clock and the cook-hook, rap was heard, and she looked up iul standing framed in the doorwas.
Does Mrs, Dimond live here?" he asked peering iu curiously. "I want to sce her on
little iuatter of business."
"She lives here, but she isu't well, and she hasn't
"Never mind, I'll wait." And the stranger conly seated bimself on the bench by the
Letty was conseious that he was furtively watching her, and the knowledge that she
"looked like a fright," with disheveled hair looked Cike a fright," with disheveled hair, to her composure. Finally, when she began said, pleasant?, ""Won't you let me do that ou seem to have yonr hands pretty full."
"He looks very clean!" thought Letty,
"He looks very clean!" thought Letty, and
accepted his offer. "You don't live in
Yes; all the way from Oklahoma
Oh, Oklahouna!" cried Letty, dropping a
know anything about-ahout Mrs. Dimond
I should say I did. Tbat's what I'm her -to tell her ahout him.
Is lie alive?" faltered Letty, turning ashy

In prison! Her old playmate-the restless, sangulue, hot-hcaded Harvey-iu prison for
five years! The floor scemed to beave up five years! The floor scemed to beave up
tuder her. She dropped into a chair, and "He and his partucr aud auother man got
into tronhle over a claim. 'Twas hefore the into tronhle over a claim. Twas herore the reservatiou was opened, hut they were hang-
ing round and staking off sections. It's a
long story, hut the upshot is the other got a knife in him, aud that knife was Harvey Dimond's. His own partner testified and sentenced for twelve years."
y didu't he write?", asked Letty, witb a dry tongue.
"He was desprit with misery, and couldn't hear to let his folks know; he said he'd never
come out alive, and wouldn't give his real uaue even for fear they shonld hear of it." don't heliere he did it at all!" cried Letty with a flash of criat Letty, self. Aud just then the door swung open,
and there was the old, hent figure, inarked with toil and exposure and rhenmatism, and the old, wrinkled face; aud after a moment's pause a cry of joy echoed and re-echoed
through the room, "Harvey! Harrey! My son! My son!" I
were the keenest. fled precipitately at the somnd of that cryfirmed, and she listened to the sequel of Harrey's story. Five years after sentence was passed the wicked partner, finding himself dyiug, had sent for a dotary, confessed make such reparation as was possible he left him the property that had caussd the tragedy, now a part of a thriving town in
the terrltory. It "came high," Harvey said, thinking of those five terrille prisou years, but at least. it brought him a round sum, and comfort: and having sold it the in ease and comfort; and having sold it, the exile, as land, forever cured of his passiou for anything west of the Mississippi.
"You must be getting home, motber, Diantha said, comfortahly seating berself
solidy in the best rocking-chair one day solidty in the best rocking-chair one day some wceks later. "'Lonzo and I have been
'lotting on it ever since spring opened, and now Harvey's eome it aiu't quite the thing now Harvey's eome it aiu't quite the thing
for him to he down here so constant. You've had a good visit witlı Letty, but I guess change.'
A slight smile puckered Mother Dimond's lips as she añswered, mildly, "No, no, Dianthy; they wou't hear to
it's the Lord's will."
"They! Who's they?" demanded Diantba, In a higher key, her round face looking lndignation and alarm.
"Why, Letty and Harvey. They was talking last night out on the side porcb, and I guess they're ahont concluded to go round to
the parson's together, soon as school closes."

## HOW BEADS ARE MADE

Bead-making has always heeu an important hranch of the iudustry. From the earliest ages glass beads have had a wide circulation throughout the world, the Phoenician merehauts prohahly heiug tbe first to use them as a medium of harter with the barharous
iuhahitauts of the countries with which tbey traded.
Many of the heads maufactured at Venice to-day are exact copies of those used by the ancien
furnac
tion o furnaces in Murano employed in the produc workmen were enge, and over oue thousand by the help of the blowpipe. In the year 1800 there were inade 56.2 kinds,
her of varieties of each kind
The Spaniards used heads for trading with the natives of South America when first they established theuselves ou that contillent, re-
ceiving gold $\ln$ exchange. Euormous quantities are to-day sent to Zanzibar and other parts of Africa, four hundred varieties heing used for the trade in this locality. India, islands take a large proportion of the ex islands tal
The Ashantees and other uatives of tbat part of Afrlea which lies near the gold coast are cont ratue bethe great varlety of coloring and designs.
eparate faracture of beads is carried on in In every instance the roorkman palkes a gatheriug of the heated mass on the end of his howpipe and hlows into it uutil it assumes an elougated shape. An assistant then comes with a pontil and sets it fast to the end opposite that attached to the blowpipe. Tbis
done, the two men wall backward from each other at a lively pace, almost a ruu. This spins out the glohe iuto a thin, attenuated tube thirty or forty yards iu length. The
tubes are so small they cool quickly, and do
 They are spun out over long ladders, upon

engraved foliage.
When a sulticnt quantity of tuhes are
made they are broken into short pieces, about made they are broken into short pieces, about
a Jard iu length, and carired into a room
where there are laze ar where there are dozens of girls sitting at
tables or benches, each one with a small machine hefore her. A burech of the tubes is
put iuto a slide, which is moved hy hand
under the knife, edged with teeth set far
the required lengsth.
Sumall heads are uade in the same way. In yatting a quitantite into a sack with fine sand
and shaking thens back and forth geatly, and shaking them back and forth geutly,
which clears the tuhe of dirt nud polishes the
outside at the same tiwe outside at the same time. After this they
are sorted by running them through colanders with graduated holes. This operation fin-
Isted, they are tied up in great bags and
sent sent out to girls aud women, who thread
then on coorse cotton and tie then in
huucles. There is scareely a house among not more or less "threading of pearls." as it
is called. Women who wait in small shops inrariahly have a wooden tray filled with
heads, which ther string and hunch betweeu Twenty or thirty long, fiue needies ahout tbe ength of knitling-needies are threaded
and held in the haud, like the sticks of an
anen fan mass of heads and hrought up more or less filled with the bright particles of color; again
and again they go down iuto the depths until the needles are full. The heads are then slipped off onto the thread, and the procomplete.
Other beads are made of rods or canes of
glass, of the color and quality desired, which are dra wn out, eitlier pierced or unpierced, of opaque, colored or enameled glass. Some
transparent ones hare complex patterns produced by the twisting of threads of colored
glass through a transparent boly. Tbis is particularly cbaracteristic of Venetian glass,
cups, Dootles, vases and other articles made of these rods. When ther are used for heads,
pieces the right size are pinched off or cut with the machiue and decorated hy haud. glass industry. They are coated with a polish made from the scales of a fish, and
filled with wax, to make them beary.-New MANILA WOMEN LAPIDARIES
The lapidaries of our new Oriental posses-
sious are the dark-skiuned romen of the Tagal tribe, who have acquired their skill
and ingenuity in gem-setting from the arand ingenuits in gem-setting from the ar-
tificers of Span and Moroco. In delicace of
design and executiou their work far surpasses design and executiou their work far surpasses
that of their masters. Nucl has been writ. ten about the coral jewelry of Manila (pink
coral necklaces, white coral pendauts, aud red coral rosaries, 1 ike drops of blood), but
rhe impression should not be gained that the lhe impressianstor of the Manila women jewelers
lapidarfaer to coral products. Pretty and
is confued characteristic as these objects of adornment
are thes do not compare in ralue and heauts
are with the chains of woven gold, filigrees of
silver and pendants of pearls and garnets made by these women. Diamonds, amethysts
and similar stones are not ofteu met with and similar stones are not ofteu met with
In the native jereelry of Manila; but their rarity is not known, even though they are
alluost entirely lacking in the trinkets of the natives and foreigners in Manila.
Onls native gems and minerals, such as gar-
nets, black, ellow and white pearls, coral, mets, link, yellow and whit pearls, coral,
nother-of-pearl and gold and silver, are ati-
lized by the women jervelers. All of these islaud gems are found in the small shops
of the native jewelers, and the manner in which they are worked up into ornaments of
striking heauty ard value attracts the atten-
tion of an Americin. A recent importation of many of these most popular Manila orna-
ments gives promise of their wide introdue ments gives promise of their wide introduc
tion into the Tinited States. The specimens hrought to this country all the work of


## WEALTH OF THE WORLD

In 1896 tbe aggregated wealth of the world was $\$ 337,877,000,000$.
The United States was the wealthiest, $\$ 78$, Great Britaïn was second, $\$ 56,669,000,000$. France was third, $\$ 46,512,000,000$. Germany, $\$ 38,650,000,000$ Russia, $\$ 30,840,000,000$.
Anstria,
se11,658,000, 000
Anstria, $821,688,000,000$
Italy, $\$ 15,168,000,000$
In proportion to the inha
ed ed, with $\$ 1,450$ an individual ond, $\$ 1,229$; France third, $\$ 1,210$; United
State States fourth, $\$ 1,123 ;$ Denmark, $\$ 1,104 ;$ Hol-
and, $\$ 878 ;$ Germany, $\$ 749$. Ital5. $\$ 185$ Comparison of wealth and deht in 1598 was as follows:
United States-Wealth, $\$ 81,750,000,000$; debt, $\$ 1,890,000,000 ;$ debt, two per cent of wealth.
Great Britain-Wealth, $\$ \overline{\$ 0,000,000,000 ; \text { debt }}$. $\$ 3,190,000,000$; debt, five per cent of wealth
 Germauy-Wealth, $\$ 40,260,000,000$; debt,
$\$ 575,000,000 ;$ debt, one per ceut of wealth.
Ren Russia-Wealth, $\$ 32,125,000,000$; deht, $\$ 1$,
$630,000,000$, deth. . fre per cent of wealth. Italr - Tealth, $\$ 15,800,000,000$; deht, $\$ 1,930$,
000,000 ; debt, twelle per celt of wealth. 000,000 ; debt, twelve per cent of wealth.
France and laly hare debts six times great, relatitely, as the tritsed States, and
Great Britain twice as great. Geruany is be only natiou that is financially hetter off. In 1800 less than a fourtli of the money of he world was gold, less than a fifth silver.
In $18+8$ ahout a fifth was gold aud two In $18 t 8$ ahout a
fifths silver:
In 1860 nearly a third was gold and third silver.
In 1897 considerably more than a third was gold, less than a third silver.
In 1848 about a third of the gold of the In 1888 about a third of the gold of the
world was coined aud two thirds of the sil-
ver; in 1895 anout two thirds of the gold and ver; in 1895 ahout two thirds of the gold and one third of the silver.
In 1897 nearls one fifth of the coined gold of the world was in the United States. Great
Britain had a tritle more, and France and Britain had a tritte more, and France and
Germany a trifle less, than a fifth each.
In 1897 . In 1897 ahout a fifth of the coined silver
of the world was in the United States. France had about an and

[^3] during the growth of its present heavy Corn crop, Harvest August 21st, Septer one fare plus $\$ 2.00$. Final limit, 21 days.

The Burlington has 2,500 miles of road in Nebraska, on which are located 321 cities and towns, the whole connected with the east by main line service of the highest grade Write the General Passenger Agent of the Burlington Route, St. Louis, Missouri, for-details of these excursions.


## Arristic monuments



Zanhite Bronze
为
 Cbe monumental Bronze Co.,



## AGENTS HAVE YOU SEEN IT?

Here are a few specimen extracts from agents' letters: "I hand you order for 44 copies of Our
Philippine Wonderland. The book takes splendidly," (Ohio.) "Am more than pleased with Onr Philippine Wonderland, and find it easy to sell. Have taken as high as ten orders in a single afternoon." (Ninn.) "I ama girl of seventeen, and never sold a book before, but with Our Phillppine
Wonderland I have never made below $\$ 3.00$ a day, and on sereral days made $\$ 4.00$ to $\$ 5.00$." (Maine.) "Am busy delivering nay 42 books, and will soon order again. I say again Our Puilippline Tonderland is the most attractive and eutertaining book I ever secured possession of." (Indiana.) "When I
began work with Our Philippine Wonderland I never thought of such succes. Have T0 orders

## OUR PHILIPPINE WONDERLAND

## trated with the finest of balf-tones. As the Pbilippine questiou is the leading question this jear,

 nothing conld be more timely. It is the most interesting and reliable work yet pnblisbed on the Plilippine lands and Phllippine peoples. PRICE VERY LOW. Sold through canvassing agentsexclnsively. For terms, territory, specimen illustrations and full partlcnlars address

## PROSPEROUS <br> Bulington Route NEBRASKA That home-seekers may see this great agricultural Stat



[^4]

## nobleness

That a this thing to be grandly true, Lifting the soul from the common clod To a purer air and a hroader view.
We rise by the things that are under our
feet;
By what we have mastered of good or gain; 13y the pride deposed and the passion slain,
and the vanquished ills that we hourly meet.

## SELF-CONFIDENCE

S ance is as uscless as a cooking receipt without food. Self-conthe individual; self-reliance realizes them. Self-confidence sees the angel in ance carres it out.
Life is an individual problem that man must solve for himself. ccepts no vicarious sacrifice ious service. Nature nercr recoguize with the middleman-she deals only with the individual.
stantly seeking to show man that he is
 of which he will be to himself.
All the athletic exercises in the world QI no value to the individual unles compel those bars and dumb-bells to he to him, in strength and muscle in time and effort. He cannot develop his muscles by sending his valet to a gymnasium.
The medicine-chests of the world are owerless in all their united efforts to and takes for himself what is needed for his individual weakness. $\qquad$ eculations in morals, mere theories of salvation, until the individual re alizes that he must save himselt by rely
ing on the law of truth, as he sees it and living his life in harmony with it as fully as he can. But religion is no Pullman-car, with soft-cushioned seats, where he has but to pay for his est. In religion, as in all other great things, he is ever thrown back on his self-reliance. He should accept all helps, but-he must live his owu life. He should not feel that he is a mere passenger; he is the engineer, and the selves or we merely drift through ex istence-losing all that is best, all that is greatest, all that is dirine.
The man who is not selt-reliant is weak, hesitating and doubting in all h does. Ile fears to take a decisive step, because he dreads failure, because he is waiting for some one to advise him, or
because he dare not act in accordance with his own best judgment. In his
cowardice and his conceit he sees all his non-success due to others. He is "not "ppreciated," "not recognized;" he is "kept down." He feels that "society is most rain as he thinks uo one has had such poverty, such sorrow, such affliction, such failure as have come to him. The man who is self-reliant seeks ever to discover and conquer the weaknes tainment of what he holds dearest; he tainment of what he holds dearest; he tle against all outside influences. He never stupefies his energies by the nal realizes that all the greatest men in history, in every phase of human effort against the odds of sickness, suffering sorrow. To him defeat is no more than passing through a tunnel is to a trav-eler-he knows he must emerge again into the sunlight
Though to be great must be self-reliant. all things, he must be self-reliant in the one thing in which he would be great. This self-reliance is not the selfsufficiency of conceit. It is daring to
stand alone. Be an oak, not a vine

Be ready to give support, but do not crave it; do not be dcpendent upon it. To develop your self-reliance you must sce from the very beginning that life is a battle you must fight for yourselfcannot buy a substitute, you cannot win a reprieve, you can never be placed on the retired list. The retired list of life is-death. The world is busy with its own cares, sorrows and joys, and one great password to success-sel reliance
The man who is self-reliant does not live in the shadow of some one else's greatness; he thinks' for himself, depends on himself and acts for himselt. ln throwing the individual thus back
upon himself it is not shutting his eyes to the stimulus and light and new life that come with the warm pressure the hand, the lindly word and the shucere expressions of true friendship.
True friendship is rare. Its great value is in a crisis-like a life-boat. Many a boasted friend has proved a leaking, of adversity might make him useful. In these great crises of life man is strong only as he is strong from within, and the more he depends on himself the stronger will he become and the more able will he be to help others in the hour of their need. His very life will be a help and a strength to others, as the dignity of self-reliance.-Saturday the dignity o
Evening Post.

## TRUE HOSPITALITY

Some of us are so situated that we cannot be hospitable in the common acceptation of the term. We have no
homes where we may welcome friends and acquaintances. We look about us and see beautiful homes into which a guest rarely enters-large houses, perfectly adapted for entertaining, which remain closed to all but the home circle the whole year round; and we wonder why the large heart and the large house do not always go together. We grieve because we are denied the opportunity of being hospitable. But there is a sense in which the hospitable heart can manifest itself even without a house. TVe can be lind and generous to the opinions of those we meet, yes, even to their peculiarities and their weaknesses. - We may not agree with their views, we may ish, but nevertheless we can listen to that which deeply interests them, w can open our hearts to the confidences which it is a relief to them to give us. see Mr. Brown. He knows so much that I should be content just to listen to him; but somehow he always g.ets me to talkiug, and, what is more, he makes me feel as if he really eujoyed talking with me. Could she have better described a truly hospitably-miuded per-

## LOYAL TO HIS MOTHER

The late Dr. John Hall told of a poor woman who had sent her boy to school and college. When he was to graduate he wrote to his mother to come, but she sent back word that she could not, because her only skirt had already been turned once. She was so shabby she was afraid he would be ashamed of her.
He wrote back that he didn't care anything a bout how she went. He met her at the station and took her to a nice place to stay. The day arrived for his graduation, and he came down the broad aisle with that 'poor mother, dressed very shabbily, and put her into one of the best seats in the hous
To her great surprise he'was the valedictorian of his class, and carried everything before him; le won a prize, and when it was given him he went kissed his mother, and said, "Here, mother, is the prize. It is yours; I would not have had it if it had not

No premiums-no schemes-all your money's worth of soap-quality.

## B. T. Babbitts Best Soap

For nearly half a century the standard, reliable, perfect laundry soap soap so economical at any price. Sells and satisfies by merit only.
money's worth of soap. No need of premiums and catch-penny schemes money's worth of soap. No need of premiums and catch-penny sch soap-buyer pays for. No premium is free-the soap-buyer pays twice its cost, and, your money's worth of soap, and when you want knick-knacks and jewelry. Buy them-you'll save money,-work,-and clothes.

You're sure of Babbitt's Soap B. T. Babbitt, New York

> BEST FORTHE BOWELS

mine

KEEP YOUR BLOOD CLEAN NO MONEY NEEDED




Black Whiskers Buckingham's Dye

BOYS - GIRLSQ


Opportunities in Northern Wisconsin peenty of opportunities in partially developed North-
eru Wisconsin. The section is rth and capable of
developnent, as is mauitest by the funely cultivated arms and the large manufacturiug plants in tha
beality. There is plenty of mineral nard-wod tin.
ber and land for all who desire to settle. Descrintlv

[^5]
## THE BOXERS OF CHINA

 are attempting to solve a gigantic problem, but they are going about it in the wrongway and will never succeed way and will never succeed. Some people
in this country seem to think that they have as orreat a puzzle on their hands in selecting as breat a puzzle on their hands in selecting a location for a home. They will certainly go about it in the wrong way unless they inspect the beautiful farming country on
the line of the Chicago, Milwaukee \& St. Paul Railway in Marinette county, Wisconsin, where the crops are of the best, wor plenty, fine markets, excellent climate, pure soft water; land sold cheap and on long
time. Why rent a farm when you one for less than you pay for rent? can buy C. E. Rollins, Land Agent, 161 La Salle St, Chicago, Ill.


DO YOU KNOW person in your
neighbor'hood
who would like an opportunity to earin some money either by working all or part of the time? If so, please send us the name and aduress, or ask the THE CROWELL \& KIPKPATPICK CO Springfield, Ohio

## S3a DaySure

家


## BEST CALIC0 $3 / 8$ c. Yard

## $=\mathrm{m}=-2=2$

10 Weeks $==106$

 ECZMA Fimative imi

 $=2=$





BED-WETTING



PEGGY
When Peggy takes her basket up And off to market goes,
I'm stupefied to wonder at How rery much she knows. She makes lier way between the stalls, And with judicial air Decides this is "so and so And that is "prettr fair.

She knows if fish are fresh or not, And, wise as any owl,
A chicken and a form.
she thumhs the hreast-bone of the one Aud pulls the other's legs; he squiuts her pretty eses To test uew-haid eggs
The reg'tahle must be just right, the scans them, not iucli he scans apem, not iuclined to pass he calls the market-follis by name Ah, what a lot she kuows When reggy takes her basket up And off to market goes.
When I'eggy does the marketing My heart with pride she fills: go along, a useless thin Except to pay the hills

TO MY DOCTOR IN BED With much regret I hear it said That you, dear doctor, are in hed, Quite invalided.
For you the uuinriting fare-
The broth, the gruel made with care The milk-is ueeded. I mourn, yet grimly chuckle, too,
Wheu I thiuk that not I, but you, Should he a fixture; Not I, but yon, must sadly sip With utterly unwilling lip Not I, but you, nust now obey What dictatorial doctors say,

So interfering! -Loudon Punch

AREFORMING A PARROT Pitrsburger who spent a part of last summer in England tells an religious peace of a parish in Pen zance. A maiden lady of that town owned a parrot, which somehow acquired the disagreeable habit of observing at freguent iuterrals, "I wish the old lady would die." This annoged the bird's owner, who spok rectify the matter," it. "I think we cau rectify the matter," replied the good man. "I also have a parrot, and he is a
righteous bird, haring been brought up in the way he should go. I will lend you my the way he should go. I will lend you my
parrot, and I trust his influence will reform that depraved bird of yours." The curate's parmot was placed in the same room with the wicked one, aud as soou as the two had hecome accustomed to each other the bad bird remarked, "I wish the old lady would die." Whereupon the clergymau's bird rolled up his eyes, and in solemn accents added, "We beseech thee to hear us, good Lord!" The story got out in the parish, and for sereral Sundays it was necessary to omit the litany
the church services.-Current Literature.

## THE GREATER FOOL

In olden times, you know, every kiug had a jester, whose business it was to keep his great deal of fauriliarity was allowed to these meu, and princes sometimes were very fond of their jesters.
A story is told of a kiug who in a plarful moment hauded a wand to his favorite, saying, "There, keep that until you find a greater fool than rourself." One day the among the attendants in his sick-room he among the attendants in his sick-roon
snumoned him to his hedside and said:
"I am going to leare rou,"
"I am roing to leare you."
"Indeed, Your Majesty, how is that?"
"I am goiug on a journes"
No; I au going a long way off"
But Your Majesty will returu?
I shall never return. lonht, and everything all preparations, no for you then rou reach will he iu readiness for you when you reach that distant land?'
"I hare made no preparations; I am not "'Ty."
"What! going on a journey from whieh there is no return, and nothing sent hefore you. nothing readr! Allow me to give back
to rou the wind I had from Your Majestrys to sou the wand I had from Sour Majestrys band; I hare found a
self."-Detroit Tribune.

STARTING RIGHT
"We are wedded now, my darling," said the husband to his hide, "and henceforth we" go together ou life's jonrucy side by side The must bear each other's hurdens, hel 1 each other when we can, and to make lif happier. brighter, each must for the othe start right is my desire-just ron got no now start right is my desire-just you got np now
my precious, and construct the kitchen fire. Sad, ah, sad his disappointment, courage oozed from every pore, when his street roung wife responded, "Sar, what do you take me for?" -Boston Post.

## FAR•SIGHTEDNESS

 In a certaiu diminntive city fiat the wallpaper had grown rery ding, hut the land lord had persistentlr refused to replace itAt last the tenant said to his wife: "lt's no use, Julia; we shall have to some new paper at our owiu expense." "Aud take all the trouhle to scrape off the ."Certaiuly not. We'll put it on right over the other."
"John! And make the rooms sumaller still!' Christian Endeavor World.

## ITS USE

Two Irish reserve men, who grent iuto a hatter's to bus a hat, were delighted with the sample shown them, inside the
which was inserted a looking-glass. "hich was inserted a looking-glass.
"What is this glass for?" said rat.
Mike, iupatient at the display of such ignorauce, exclaimed:
"What for?" said Mike. "Why, for the man Who buys it to see how it fits him."-Clevelaud Plain Dealer.

## FROM FORCE OF HABIT

 An absent-minded professor was sitting a his desk writing one evening. When one of his "What do you"I only want to say good-night." "Never mind now; to-morrow morning will do as mell."- Spectator

HAD READ ABOUT IT BEFORE Mrs. Rakestraw-"So you've finished readin' the biography of that statesman. Well, what did he finally die of?
Rakestraw-"Why, of this here new disease that we read about so much lately. I see by the heading of the chapter that the
last thirty pages in the book is about the appendix."

STILL MORE SO
Oh: now in the car, at the sermon or play We think of Moore's lines, in a paraphrased You may air, you may fumigate furs if rou But the odor of moth-balls will hang round them still.
-L. A. W. Bulletiu.
THE FLOWER OF THE FAMILY He thought it safer to write to the girl's father for her hand. He was an ardent lorer,
but a poor speller, and his note ran: "I want your danghter-the fiour of your family. "The flour of my family is good," replied the old man; "are you sure it isn't my dough you're after?'-Yonkers Statesmau.

## RETROSPECTION

## Friend-"I suppose you grieve

orer the death of your husband?
Mrs. Snooks-"Indeed I do. If I had utilized hefore he died the tears I've shed dresses than I're got now." -Spare Moments.

THE SOURCE OF A GREAT ANNOYANCE First cook (readiug)-"Wauted, to go to Connecticut. a first-class cook. Good wages."
Second cook-"Niver ou sour life! Sure isn't that where they make alarum-clocks:" -Jewelers' Weekly.

SWALLOWING YARNS
Mother-"Dear me! The bahy has swal lowed that piece of worsted." have to swallow if she lives to groms up."Spare Moments.

## ENCOURAGEMENT

## He-"No I can't aford to wirt

She-"Why? I'ni sure the tailor wonld trust yon for a dress-snit if you mentioned paphe uame."-Detroit News.




HENRY WADSWORTH LONGFELLOW
of the portraits from "Gems From the Poets"
Gems From the Poets

## The Cream of Poetical <br> Literature <br> A Delightful Book Containing <br> 400

Poems and Pictures

IT IS FULLY ILLUSTRATED

IIHIS work contains a discriminating collection of what may be considered the Gems from all the poets. Only representative productions are used, and as a result we have the very highest class of literature. It contains choice poems for all moods, all occasions, and will surely please every one. It is the only low-priced collection of poems fully illustrated. In fact, it is more completely illustrated than any similar work ever issued, either high-priced or low-priced; each page has one or more illustrations. The designing and engraving of the illustrations alone cost at least $\$ 20,000$. The pages are large- $73 / 4$ by 10 inches-and the book is large in proportion. In addition to the large list of poems by the masters of literature and their superb illustrations the work contains a very interesting collection of portraits and biographies of popular poets.

## PARTIAL LIST OF AUTHORS REPRESENTED

| WHITTIER | SCHILLER | MILTON | HOOD |
| :--- | :--- | :--- | :--- |
| BRYANT | SHAKSPERE | ANGEL | SHELLE |
| RILEY | LONGFELROW | POPE | PORDEWORTH |
| SWINBURE | POE | SCOTT | HOWE |
| DANTE | BURNS | SOWELL | BYRON |
| TENNYSON | MOORE | HOLLAND | EMERSON |
|  |  |  |  |
|  |  |  |  |

We feel free in saying that no better value has ever been offered by any We Will Send the Farm and Fireside One Year and Gems From the Poets for

40 Cents

Given as a premium for a club of TWO yearly subscriptions to the Farm and•Fireside. Postage paid by us. Order by Premium No. 26. Address FARM AND FIRESIDE, Springfield, Ohio


## INDEX TO FARM AND FIRESIDE

VOLUME XXIII.-October 1, 1899, to September 15, 1900


Stink-bugs ............... ${ }^{21}$
striped bugs,.......... 19
Tanning hides........... 6
Time to cut timber for
 Wilterash

Thetermetalic queries
 Chest-plague. .
Chromic inseas
Coigulating ail
Cols. Collai-Boil

## -3030




| Beans <br> Belgian-hare skius.......... 20 <br> Bitter cucumbers |  |
| :---: | :---: |
|  |  |
|  | ckherry, earliest. |
| ue-husk tomato. |  |
|  | Sulletins |
| Cunchiug as |  |
|  | plats damp |
| Canuiug industry ......., |  |
|  |  |
| Celery |  |
|  | Cofie-b |
| Coru and fertiliz |  |
|  | Cncumber bligbt |
|  |  |
| Dent cor |  |
|  |  |
| Garden-spot nakiug a... |  |
|  |  |
| Hog-pas |  |
| Koblirabi |  |
|  |  |
|  |  |
|  | Market-gardeners pap |
| Norels ${ }_{\text {Vitrogen }}$ aud amimöia |  |
|  |  |
| ${ }_{\text {Oniou }}^{\text {winter }}$ sets.......... |  |
|  |  |
|  |  |
| 12Lubarb froni seedplauts |  |
|  |  |
|  |  |
| Squash borer.............. |  |
|  |  |
|  | artiel |
| Tonatoes,forciugTor |  |
|  |  |
|  |  |
| Value of |  |
| legetading |  |
| orms on blue-husk to-mato-plants ........... OIRCHARD OUERIES |  |
|  |  |
| Anjou pears rotting...... $1!$Ants, killing............ 18 |  |
|  |  |
|  |  |
| hest |  |
|  |  |
|  |  |
| ${ }_{\text {trees not }}^{\text {det }}$ f |  |
|  |  |
|  |  |
| Apricots dropping. |  |
| Ashes and sce |  |
|  |  |
| Rark splitting............ ${ }^{\text {dut }}$ |  |
|  |  |
|  |  |
|  |  |
| ciitiure |  |
|  |  |
|  |  |
| on pear culture $13,1 \overline{1}, 1$ |  |
|  |  |
| Budding the orauge.... |  |


-






## 佰

인

otd fruit-trees
peacti-rtees
soft maples.
trees
Quiue





$\underset{\substack{\text { rines } \\ \text { fruit-trees } \\ \text { plun-trees }}}{ }$

 Sugar-map
Sulplur
trees
and
iard ou formit



Water-ored apples.......
Whiteanhing fruit-trees:
Wooly =alphis..........

## polletiy queries



Black (ysys
Slizoricis
Spanisb.


Brass
Breed for timber-............
Bulky foods
Capons
Clate
Capons
Cockreai
Cockels

Cross
non-s
nurk
Cut
Dark
Dise


## thewls se. Drop ofit


Earst lanian ing die. E :
Eggs for hatcling



Parapegia
laresis in the inind cuniris
ters
 is.........
in Mied....
in heat...


 | Hit |
| :---: |
| $\substack{\text { Fits } \\ \text { Flaxse } \\ \text { Flieas } \\ \text { Flies } \\ \text { Floa } \\ \text { Fhan }}$ |

 | Frozen |
| :---: |
| Garget. |
| Gastro- |
| Gast |

Harness-oiil
Heaves.
$\cdots$
Hemogiohinuri
Heuno rribage

 | Herria |
| :--- |
| Hide-bou |

Hol- in co
Hydrocele
Hypetigo
Impen
Impotent
Incontinenc
Infectious abortion.:......
Infaumuation of hrain
Influenza ..............
Iujured com...........2.
Insutule
Insuient perspiratiou.


 Lice............ $9, \ldots$, ion

 Hilik comes in a spray:....

 Mimphomauia
Oilsh smell.
Old age and defcetive
teetu




## Fastest, Cleanest, Easiest-Working Husking-Pins 羅

## WE ARE always on the lookout for such things as can be of use

 on the farm and which we think will render satisfaction. W feel sure that in this Husking-pin we have something which will fill this demand. The pins are of steel, fitted with leather guards, which fully protect the fands. These here offered are of the best quality.

We will send Farm and Fireside one year and either of these Husking-pins for

## 50 Cents



Either of the Pins given as a premium for a club of TWO yearly subscriptions to the Farm and Fireside
The Pins are perfectly adjustable and will fit any hand. They may be worn over gloves or Canton-flannel mittens, and when so worn are the handiest Pin made. All have a large, well-shaped shield, which protects the hand and prevents sore, cracked fingers. By lacing the point of the shield a finger-cot is formed. It is claimed for No. 282 that the side point renders possible a side-grip motion in husking, which keeps the arm in the natural position, prevents sore and strained muscles and saves labor. No. 179 is made the same as No. 282 except that it has the straight point. They will not scald the hand, as they are perfectly ventilated. The steel part of the Pins is $51 / 4$ inches long, and $3 / 4$ of an inch wide across the bowl. All the Pins are nickel-plated and thoroughly well finished. Satisfaction guaranteed or money refunded.

Address FARIM AND FIRESIDE, Springfield, Ohio

## "Helena" <br> \$) THE CHARIVING <br> ROMANCE

## By CAPTAIN H. S. IRWIN

$\mathrm{H}^{\mathrm{H}}$LENA is a strong story entwined about a thrilling life's romance It promises to be one of the remarkable books of the day. The plot is well conceived and skilfully carried out, and the reader is led from chapter to chapter with growing interest till the culmination is reached at the very end of the book. The strange career of Captain Presley Brannan, his disappearance, the dual life, and the sensational disclosure under startling circumstances, is not fiction, but facts. The author has adhered to truth with all the art of a finished story-writer.


This is one of the most readable as well as the most suggestive of recent novels. It is a story of American life, and most effectively illustrates the saying that truth is often stranger than fiction, for many of its most strilits ivcilents and frost interesting ciaracters are drawn from real life

## THE STORY

The story had its counterpart in real incidents which occurred in Memphis, Corinth, Louisville and southern Ohio not many years

> We will send the Farm and Fireside one year and This Book for

60 Cents

## ser. mum have the regular ca commission or the nome may be counted in a club)

Grven ax a pretrisin for b of TWO yearly sub scriptions to the Farm and Fireside
ORDER BY PREMIUM No. go. The characters combine to create sere scenes of Southern life that are true to experience. Made up of cordiality and despicable enmity, subserviency and chivalry, pathos and pleasantry, all in an ingenious manner

## The Book Contains 278 Pages

Well printed on good paper and attractively bound. It is published in the reg ular edition at $\$ 1.25$, but we have made up a special edition for the readers of the Farm and Fireside which we are able to offer at a great bargain.

Address FARM AND FIRESIDE, Springfield, Ohio

the introduction of hungarian and MACARONI WHEATS

MFrederick V. Coville, Chie f the Division of Botany, has
urnished the "Crop Reporter" this subject:
In its work of introducing raluable seeds and plants from foreign countries
the Department of Agriculture is now engaged, among other things, in securEuropean and African macaroni-wheats
and Hungarian bread-wheats. in the United States was imported from ufactories have been establislied in this country. The manufacturers hare
found, howerer, that consumers prefer the imported product, and it has derelnade from a peculiarly lard-grained tofore produced in the United States, of course, the wheats that they could market most a deen the whats suitable these manufacture of bread and pastry flours. The macaroni-wheats which are now
being imported by the department in experimental quantities will, it. is ex-
pected, turnish the basis for a great extension of the macaroni-manufacturing
industry in the United States, and will create a demand for the production of
the macaroni-wheats in those parts of the country to which the experiments adapted.
Hungary, it is well known, is the wheat, which, has now been adopted in States. Hungary is also the country in Which is manufactured a flour of such
shipping and bread-making shipping and bread-making qualites as
to give it in some of the markets of the world the highest reputation and price of all export flours. The wheats from
which this flour is manufactured are not grown in the United States commercially, but the experiments thus far maintain their high bread-making qualities here. Now, a point of special inthey are winter varieties, while the best spring varieties, the area of whose sucwhose yield is comparatively light. The indications now are that the Hungarian grown over a many times larger area hat ourgh-grade spring wheats, ordinary winter wheats, is superior to the spring varieties, and that the pecu-
liar qualities possessed by these foreign wheats in Hungary are maintained in of this country in export flour, the the high quality of Hungarian wheats extension of the area of profitable culconrey an idea of the importance and igninificance of a successful outcome of SEED-Sowing
It should not be forgotten in sowing
vegetable-seeds, and, for the matter of
that, all seeds, that they must have air,
inoisture and darkness in order to
sprout properly. If sown deeper than
they desire they rot; it too shallow the
light is too intense or they do not get
moisture enough. As a rule they should
he as near the surface as possible. with
the rather dry earth packed around
them as firmly as possible. The surface
earth should be rather dry or it will
not powder well-and this is important
in connection with air. There is no, air
in a soil pressed when wet-but the
inore dry earth is pressed and pounded
the finer and more porous it becomes.
There is a great art in getting seed to
grow properly-and set the art is ery
simple when the principles are under-
stood. Wheehan's Monthly.

## GOAT-BREEDING

We recently referred to a pamphle on ""ieeping Goats for Profit." This pamphlet is book of the department for 1s9s, and gives the facts favorable to the feeding and breeding of goats. The author,
Mr. Almont Barnes, states that in the year ending Jume $30,1898, \$ 15, \tau 66,601$
worth of goatskins were brought int
this country. He says that practicall all the goatskins used here are in-
ported. He says there are about 500,000 goats now in this country, mostly in the dry lands west of the Rocky mountains and in Texas. He gives a state tained from the goat, and it inust be He also says that there is hardly state in the Union where the Angora ally of one herd in Connecticut that is iving good returns, and it has proved ery useful in keeping, pasture-lan tainly the arguments advanced in thi pamphlet are plausible and forcible, anc country where the Angora goat would prove profitable, perhaps more so than sheep. It must be said, however, that Americans have not taken kindly to goat-breeding, and it will probably be all the goat products it consumes.-

SWEETEST SPOT ON EARTH The farm was not quite paid for toiled, living sparingly, growing daily more silent and stern. The two sons, as steadily almost as the parents, bu the silence and the repression wore upthey became diseouraged, then dissat it wis a terribleme.

##  ancror ecrstein atLantic BRADLEY Brookizn JEwETR ulSTER UnTon onion sottrer sotimern shipman shipman colilier Mrssotri $\}^{\text {St. Lout. }}$ JORN T. LEmIS $£$ BROS Co 30RLEY Cleveland. salem Salem, Mass. Corneli Bufflo.

ALF the trouble people have with paint, nowadays, is because they hurry the painter. If you want the National Lead Co., roo William Street, Nere York.
eocupied father when by chance he leave home; and it did not take him long to shape plans whereby the whole atmosphere of the place was changed. than all the farms in the world. From a silent, apparentry unsympabecome once more a boy, interested in pranks and jokes, brimming over with fun, a treasure-house of tales of the longed-for books of adventure.
The mother brightened up the dreary home. bought some books and sub-
scribed for more papers. She smiled iest, and drew near to her sons in
a way she had never had time for before. And the bors promptly adjusted themselres to the new conditions of the
home, and roted it the sweetest spot on earth.-Farm Journal.

LIME AND INSECTS
Lime, which is useful as a contact
insecticide against soft-bootied insects
like slugs or caterpillars, should be
used, dry, and may be either air or
water slaked. Air-slaked lime should
be sifted and dusted on as finely and
thoroughly as possible. In this condibe sifted and dusted on as finely and
thoroughly as possible. In this condi-
tion it will kill cabbage-worms. the



## Ohoicest Fruit and Ornamental Trees:

 Shrubs, Plants, Bulbs, Seeds. 40 Acres Hardy Roses. 44 Greenhouses ToTHE STORRS \& HARRISON CO., Painesville, 0 : Ohio Normal University


SA VE $1 / 2$ your
FUEL
THE ROCHESTER RADIATOR.
COST \$2.00 AND UP.

| Money refundedif not satisfactory. |
| :--- |
| $\begin{array}{l}\text { Write tor tor hookliet on economy }\end{array}$ |

ROCHESTER RADIATOR CO.,


POWER SPECLALTY CO., 126 Libertv Street, NEW YORK

## SAVE WW CASH


201035 Cents per Rod.




## Black, painted, or galvanized metal Roofing and siding (birck, rock or ocrrugated Metal Ceilings and Side Walls



GEM Baler
$\square$ (
(
(
(
(
-



[^0]:    "What is
    the hostess. the hostess. swered Mr. Blrbll Not Ring To-night,' " anwas almost definut.
    "Why, nohody recites that any more!"
    "That's why I like it."-Washlngton Star

[^1]:    INQUIRIES ANSWERED
    Animal-meal.-S. G., Memphis, Tenn.,
    Writes: "What is the proportion of animal-
    Reply:--Usually about one to thece; that

    ## ground grain.

    Picking Dncks.-J. MI. E., Hancock, Md. ny ducks in the large establishments where ducks are hatched artificially
    $\qquad$ to the number to be picked. Where there are

    Dark Eggs.-J. R. B., Lisbon, Ohio, writes: "Which of the breeds lay dark eggs niformir, and which breeds lay white eggs?
    Rerm:-No brecd contains individuals that fail to vary the color of the shells. For in-
    stance, Brahmas, Cochins and Langshans lay dark eggs, but some hens of those breeds pro duce lighter-colored eggs than others. T non-sittcrs all lay white eggs.

[^2]:    The Crup Re in southern California.

[^3]:    ABSOLUTE IN HER HOUSEHOLD The position of the Chinese woman in be
    own household is that which onght to , concerus and is given far more to sar in is generally the case among our lower classes,
    It is true she owes ohedience to

[^4]:    

[^5]:    $\int$ EARN MORE MONEY REE SCHOLARSHIP

