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ASHCROFT'S PATENT LOW-WATER DETECTOR.

The importance of a reliable instrument for the de tection of low-water in steam boilers is too evident for comment. The accompanying illustration represents a "Detector," which, if we may judge from the numerous letters presented to us for inspection, vouching for its efficiency, may safely be recommended to those in need of such an instrument. To show the favor with which it has been received, Messrs. Wood, Morrill & Co., of Philadelphia, have fifty in operation in their establishment, and the Pacific Mills, Lawrence Massachusetts, sixty. It is stated that it requires no care or attention on the part of the engineer, or person in charge of the boiler. The object is not to relieve the engineer from eare and responsibility, but to act as a vigilant watchman. If the attendant performs his duties faithfully, the "Detector" remains at rest; but if the water is allowed to fall below the alarm water-line (see cut) an alarm is immediately given. By reference to the cut it will be seen that E is an air chamber; C, a chamber, furnished with a union joint in which D, a disc of fusible alloy, is se cured and made to close the opening F; B, a cock and G, a coupling by which the tube is attached to the boiler; II, is an alacm whistle. The operation of this instrument is as follows: After the boiler has been filled to the water-line, the pressure of the steam forces the water up into the air chamber. There being no circulation through the instrument so long as the lower end of the tube remains under water, that part of the column above the cock B will be of a comparatively low temperature, and the disc D will be solid. But whenever the water in the boiler falls BELOW the end of the tube, the steam immediately displaces the water in it, and melts the fusible disc and rushing out through the opening, F, gives notice through the whistle that the water is falling to a dangerous point. To replace a disc, open the

cautionsly until the water reaches the opening at the top, then shut the cock, and when the water above it has become cool, the disc may be replaced with safety, and the cock fully opened. Address communications to John Ashcroft, 50 John street, New York.

Smelting Furnaces.

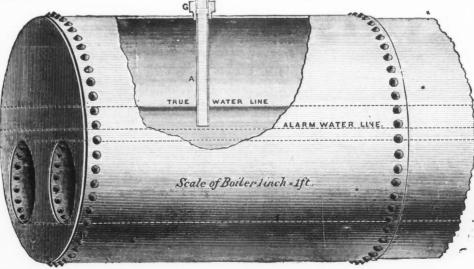
Mr. William Balk, of Hanover, engineer, has specified certain "improvements in furnaces used for smelting and melting iron and other me-This invention is especially applicable to those classes of furnaces which are worked continuously, and are only stopped when parts are burned or worn out, such as blast furnaces employed in smelting iron or other ores; and the invention consists in applying rollers at those parts of furnaces which are most liable to wear or to be burned out; these rollers are arranged to be capable

part of the interior of a furnace for a time and become thereby burned and worn, are turned away from the interior, whilst other parts of the rollers which are new

again restored or remade. The joints of the rollers or places of contact with the other parts of the furnace where the rollers are situated are repaired and luted so as readily to make all parts sound after turning a roller .- Colliery Guardian.

Atmospheric Pressure in Mines.

M. Simonin, a French savant, publishes the result of some very interesting experiments made by himself on this subject. Until now the only researches made at considerable depths tended to fix the law of temperature in regard to altitude. M. Simonin's experiments were for the purpose of ascertaining the increase of atmospheric pressure under similar circumstances. As this increase has generally been found to be 1 millimetre for every 10 metres as we descend, it remained to be seen whether the same would be the case in the shafts of mines where the air, confined in a narrow space, is at the same time exposed to the action of a powerful draught, and more or less impregnated with steam, and at various temperatures. Operating in very deep shafts, the author had the oppor tunity of bringing the barometer below the level of the sea. His experiments were conducted in the basis of the Saone and Loire, where the coal pits of the Creuzot and Epinac are situated. The shafts are here 400 metres deep, and since the average leading of the barometric altitudes at the orifices is about 355 metres above the level of the sea, M. Simonin operated at a clear depth of 45 metres below that level. From his observations it appears that at Epinac, as regards temperature, there is an increase of 1 degree centigrade for 50 metres of vertical descent; and, as regards pressure, a rise of 1 millimetre in the barometer for 11 degrees of verticall descent. At the Crenzot there was an increase of 1 degree in the temperature for every 40 degrees of vertical descent, and an increase of pres-



tions of furnaces the parts most liable to wear are readily restored without stopping the furnaces, whilst the parts of the rollers which have for a time been inor have been restored or re-made are at the same time terior of a furnace can, when turned outwards, be through which pure air enters,

of being turned so that the surfaces which have formed] turned inwards; by which arrangements and construct [sure of 1 millimetre for every 10 metres. The averages, therefore, are: For temperature, 1 degree for 45 metres; and for pressure, 1 milimetre for 101 metres. M. Simonin has taken care to operate only on shafts

Mining Summary.

Colorado.

We extract the following from the report of Surveyor-General Fisters upon the report of Colorado. It comes to us bearing date Angust 13th: The winters of 1861, 1892 and 1861 were very sold, the winter commencing in the middle of October and continuing until the last of March, the thereometer indicating on two different winters were very early the winter of the March and the middle of October and continuing until the last of March, the thereometer indicating on two different warm and pleasant. The summers are dry and locd during the day and cool at high to other plains; always cool and pleasant in the mountains. During the mountains during the east of the mountains of the plains of Colorado centain coal, and it has been found in crough localities to prove that that least one-third of the plains of Colorado centain coal, and it has been found in crough localities to prove that that theory is correct. As yet, very few coal veins have been opened and worked, and most of these are on lands that had been surveyed previous to the discretion of the surveyed by the surveyors is comparatively small. In a country where there is not a stream that does not contain some indications of coal, it is difficult to say what land should be returned as coal hand. A small fron furnace is in operation on the Boulder, near Boulder Gity, working what is knewn as: "ladney ore, and throughout the Territory, and yields about thirty percent. of iron. (Sixy-live per cent. is the real yield.—Eb.) Spallin core, yielding seventy-tive per cent. of iron, is found in veins near Golden City, and there is no part of the Territory that does not produce iron insertion of the particle and the produce iron in the produce of the preparation of the particle landroad should not be manufactured here. Alam, sait, petroleum, gypsum, sood, lane, lead, coppared of the produce iron in the produce of the preparation of the particle landroad should not be manufactured here. Alam, sait, petroleum, gypsum, sood, lane, lead, coppared to the Misson of the p

issue to the raitwad companies enough to build the road, and yet, after three years of talking, not one bar of iron is laid west of the Missouri river. The question whether any process could be invented which would save all the gold in the ore, is being tested by every means here, and two processes have been introduced which bid fair to succeed. The first is a disintegrating process by which the ore is reduced, by means of superior, and an assay of the tailings showed no gold. The other process first crushes the ores, yeielded 290 per ton, and an assay of the tailings showed no gold. The other process first crushes the ores, dresses them with water till nothing but the sulphurets remain; these true then sinetted with lead and other fluxes in a furnace, and the whole drawn off in kettles and allowed to while the copper and iron remain in the slag. The lead is then roasted off, leaving the gold and silver. Both these processes are new here, and will have to stand the test of working on a large scale; but the experiments, so far, indicate success. Should this succeed as well as it is hoped, they will render useless much of the machinery that has been brought here, and will have to experiments, so far, indicate success. Should this succeed as well as it is hoped, they will render useless much of the machinery that has been brought here, and the test of working on a large scale; but the experiments, so far, mideate success. Should this succeed as well as it is hoped, they will render useless the machine the state of the machinery that has been brought here, and the contain from ten to thirty-live per cent. of that metal. At present the copper is not worth smelting, except, perhaps, a single furnace might afford to run on the local demand. The extraction of the gold of the process of the contain from ten to thirty-live per cent. of that metal. At present the copper is not worth smelting, except, perhaps, a single furnace might should be a superior of the process. The body of the process in the superior of the process from iron made here, and will be 22 miles long. . . The Overland Stage Company are now engaged in making a wagon road from Prove, in Utah, to this place direct. This road will shorten the overland route about 100 miles, and passes through the finest agricultural portion of Colorado, and a part too which as yet has not been settled, and which will need surveys as soon as the road is opened. In spite of the stoppage in the mines the Territory has overy appearance of prosperity. The towns are being built up with brick buildings, and town property has advanced in value,

California.

Santa Clara.—There are now about 1,300 men engaged in mining, reducing, sorting, and other work at the New Abnaden Quicksilver mines. The company have recently creeted new and very extensive reduction works, on an improved plan, and in a short time they will be put in operation. It is believed that a large saving will be made in the quicksilver, by this improvement, and that the company will be thereby enabled to work at a profit, a lower grade of ore than they have ever been able to do heretofore. Near the month of the main tunnel many thousands of tons of what was considered refuse rock—too poor to pay for working by the old process—had accumulated in years gone by, and the company are now overhauling this, sorting it down closely, and working it, getting hausdome returns from the material rejected by the first workers of the mine. Prospecting is constantly going on, tunnels being run into the mountain in every direction, and new leads of smaller size thau the original New Almaden, developed and made to yield their quota towards the grand aggregate product of the mine. The "Cora-Blanche" is the most extensive and promising of these new leads. The average quality of the ore worked at this time is very much below the standard of a few years since, but the improvements in the system of reduction, and the thousand and one labor-saving inventions brought into use by the present company, enable them to work a quantity so inneth the greater, that the annual production is steadily increasing rather than decreasing. Santa Clara.-There are now about 1,300 men

tity so much the greater, that the annual production is steadily increasing rather than decreasing.

Placer.—The sluices of the Beloit claim at Dutch Flat, says the Anburn Stars and Stripes, were visited one night last week by robbers, and the rifles removed, but the seamps got nothing, as the company had just cleanded up \$1,900 from 14 days' washing. The Why Not Company cleaned up recently and got a handsome dividend—exact figures not ascertained. The lowa Hydraulic Company cleaned up a few days since \$1,800, the result of 17 days washing. The Ynba Ditch, which supplies the mines in the vicinity of Gold Run with water, has been seriously damaged by land slides in the vicinity of Bear Valley. Workmen have been employed to repair it. An immensely rich vein of quarts, passing through the Fair Hydraulic claims, situated on the ravine immediately south of Gold Run, was uncarthed a few days since. Several nuggets, varying in size and value from \$5 to \$25, were found, in addition to which good assays have been obtained from all portions of the ledge thus far tested. . . Last week the Rough Gold Company at Bath cleaned up from one week's run 173 onnees of gold. The previous weekthey cleaned up over 160 ounces. Other companies in the vicinity are doing well, but we have no figures from them. . . . A very rich quartz ledge has been struck in Dead Man's Canou, about three and a-half miles from Auburn. . . The Minerella quartz claim in Baltimore Ravine near Auburn, owned by Mallett & Havey, is, says the Auburn Stars and Stripes of April 11, one of the best in the district. The ledge is about a foot in width, and the rock taken from a shaft sunk on the ledge to the depth of thirty feet, shows considerable free gold. Five tons of the rock taken from near the surface and crushed in an arastra, yielded over an onnee of gold to the ton, while a good prospect was obtained from the trailings. They are now negotiating for a mill, which they design erecting upon the ledge, and which, no doubt, will prove a remunerative enterprise

anzmg from their hydranile claims all the way from \$3,000 to \$5,000 per week.

Mariposa.—A very rich specimen of copper ore, from the Buchanan lode, situated on the head of the Chowchilla, has been handed to us, says the Visalia Delta, by Rev. J. McKelvey. It looks as though it was nearly all copper, and McKelvey assures us that by smelting in a common forge it yields 75 per cent. of puro metal. The lode is tive feet wide and rich all the way. If this is so, and we believe it is, Mariposa will lead the State in copper. . . . C. T. Mcader & Co., of Stockton, shipped for San Francisco, lately, 86,130 pounds of copper ore, from the Union mine, Copperopolis. . . The Mariposa Gazette of April 7th says: The predictions of certain wise ones that the copper unics on the Chowchilla were of no consequence, are not likely to be verified. A great many ions of nearly pure copper have been smelted in the last few months, and instead of the mines giving ont as they are sunk upon, they increase in richness, width and permanency. The vien at Buchauan Hollow is five feet thick, and of the richest carbonates. On Thursday last Haskall operated with his smelting works twenty-seven hours, and the product of copper, in pigs, during that time, was two tons and a-half. We doubt whether similar results can be shown since the organization of the State.

Shasta.—The Courier of April 7th records the following mining intelligence: "On Saturday last the

shown since the organization of the State.

Shasta.—The Courier of April 7th records the following mining intelligence: "On Saturday last the Washington Quartz Company made their clean up for twelve days with ten stamps and twelve days with eight stamps—an average of twenty-four days with nino stamps. The result, as assayed by E. Lewin & Co., was the sing sum of \$5,371 31. For this run the company divided \$4,290 to twelve shares—\$337 50 to the share. The rock crushed averaged \$20 to the ton. The company now have their lode stripped one hundred and ifty feet—from top to lowest tunnel—by four hundred feet on the face. The ledge at the bottom is six feet thick, and going up it varies from five to eight feet, There is another tunnel in over four hundred feet, and about forty feet short of the ledge, that will strike it some two hundred feet lower. We are assured that the company can easily select rock from which a run of \$15,000 or \$20,000 could be had in a few days crushing,

if it was at all desirable to get up a sensation. We are somewhat particular in giving these returns, from the fact that there are outside barbarians who lack faith in the richness of our quartz lodes. We find that a company at Middletown are going to creet a flume some half mile in length, to carry water from the Clear Creek Ditch to some mining ground discovered and prospected last Fall, lying along the southern side of Oregon Gulch. This flume will not only furnish the company's claim, which is rich and extensive, but will be of sufficient capacity to afford water for hundreds who can and will occupy ground below it. The Horse Shoe Bend will be open for work as soon as the waters subside to the capacity of the tunnel, and a river bed of over three miles will be laid bare to the operations of the hardy miner. The Potosi mill started last Saturday. It has four stamps and two pans, and is propelled by a hurdygurdy wheel, and it by hydraulic power. Members of the company assure us that it works like a charm. As a beginning, the mill is working up a lot of loose truck that has been lying around, and on Monday will commence on Potoski rock.

Nevada.—The Eureka Mine, says the Transcript.

Nevada.—The Eureka Mine, says the Transcript of April 6th, is located at North San Juan, and is the leading hydraulie mine in this part of the State. The parties who took up this claim a number of years ago, expended \$180,000 before a cent was realized from it. About a year ago the original owners sold to a San Francisco company who are now working it. At the time it was sold it was paying from \$15,000 to \$20,000 at each run of from tive to ten days. The largest amount ever taken out in one run of ten days was upwards of \$30,000, and to-day it is paying as well if not better than ever before. . The celebrated vina Trunnel at Schastopol, in Bridgport township, is nearly completed. The company commenced operations on this tumel during the year 1850. They have worked constantly on it for the past six years, and expended an immense amount of money. It has cost them as high as \$49 per foot, and the loost ever paid was \$15, the latter already being \$4,000 for the company of the distantly worked. When the past six years, and expended an immense amount of money. It has cost them as high as \$49 per foot, and the loost ever paid was \$15, the latter already being \$4,000 for the company of the distantly worked. . We learn that nearly every claim from North San Juan to Timbuctoo is being successfully worked. A great many of the claims between these two places have not been worked for years until this senson. They are all paying well and give employment to hundreds of men. . The old Pulmer diggings, which has been moved for several years, were started up at Schastopol a few weeks ago. The company cleaned up, last week, alarge amount of dust. . Kerr, Falcon & Co., at Shady Creek, near Ray's ranch, in Bridgport township, are taking out an immense amount of money. . A blast of 300 kegs of powder was let off in the Golden Gate claims, at North San Juan, one day last week. This blast shook the whole town, and in a house near by a man was thrown completely out of his chair while reading a paper. Considerable damage was done by the

Siskiyou.—All the Chinese claims on Lower Humbug, from Frenchtown to the Klamath River, says the Yreka Journal, have been filled up by the late severe rain storm, but the Big Flume Company is all safe, having been busy ground-sluicing since last November. Mining on Long Gulch and Canal Gulch, north of town,

has been paying rich lately, some of the claims realizing as high as \$100 a day clear.

Idaho.

logho.

At a public meeting of the citizens of Boise City and vicinity, recently hold at that place, for the purpose of devising the necessary steps to be taken on their part to secure the establishment of a United States Branch Mint, a Central Committee was appointed consisting of E. J. Curtis, chairman, H. C. Riggs, A. W. Flournoy, Joseph Miller, John Cummins, Hill Beachey, and C. Jacobs, who were instructed to obtain all the available statistics and data relative to the amount of the precious metals produced animally in Idaho. The following statistics and estimate were received from the different mining camps, in response to the inquiries made by the committee. Hon. W. H. Parkinson furnished the following statement from Pioneer City, Boise, March 7, 1866: "The amount of gold dust taken from the Pioneer District, according to the best information I have, will not fall short of one million (\$1,000,000) dollars for the year 1864; my opinion, however, is that it will exceed the above amount." There are many other rich and extensive mining districts lying within Boise county; the gold and sliver product of which cannot be ascertained at this time. From the most authentic information at hand, the committee is of the opinion that the following estimate will be under the actual amount of bullion and gold dust produced and taken from the mines in Boise connty and its immediate vicinity; \$400,000 per month; or, \$4,800,000 per annum. Mr. L. Hartwig, Mining Engineer, whose long experience in Mexico as a practical miner engaged in the reduction of silver ore, and whose perfect familiarity with the extent and mineral resources of the South Boise connty, reports as follows to the committee: The number of mills in Alturas county, which lies within one hundred miles of Boise City, may be designated as follows:

Harris Mill. 10 "Nelson Mill.

MORNING STAR MILL—EIGHT STAMPS.
Number of days running time 426
" tons ore reduced 7369 5-8
" ledges ore taken 7
Am't of bullion up to M'ch 9,1866\$1,127,617.39 More, Fogus & Co., Proprietors.
MINEAR MILL-FIVE STAMPS.
Number of days running time
" tons ore reduced 1,101 3-10
" ledges ore taken 1
Am't of bullion up to M'ch 9, 1866 \$172,860.16
More, Fogus & Co., Renters.
This mill has been rented by More, Fogus & Co. since
September 10th, 1865, and working "Oro Fino" ore.
JACKSON MILL-FIVE STAMPS.
Number of days running time 37
" tons ore reduced
" ledges ore taken 1
And of halling and to Mich 0, 1900 040 001 10
Am't of bulliou up to M'ch 9, 1866\$48,084.19
More, Foous & Co., Renters.
This mill has been rented by More, Fogus & Co. since
October 10, 1865, and working "Oro Fino" ore.
VASS MILL-FOUR STAMPS (LIGHT).
Number of days running time 73
" tons ore reduced 124
" ledges ore taken 8
A 4 - 6 b 11 40 Pak 1 1000 \$15 104
Am't of bullion up to Feb. 1, 1866 \$15,194
VASS & Co. Proprietors.

VASS & Co., Proprietors.

MINEAR MILL—FIVE STAMPS.

The following is the report of the Minear Mill—five stamps, from the time it first started up to the time More, Fogus & Co. rented it, during which time it was engaged in prospecting ore from the Morning Star, Roxbury, Allison, Whisky, New York, Caledouia, Home-Ticket, Ophir of Idaho, Ladd & Reed, Golden Eagle, Oro Fino. Eureka; Silver Legion, Whisky Gulch and Badger ledges:

ranger reuse	
Number of	days running time 150
16	tons ore reduced 1400
66	ledges ore taken
Amount of	bullion\$100,000
	A. P. MINEAR & Co., Proprietors.

to give returus at present, are the Ainsworth Mill, of ten stamps, running time about one hundred days, working ore from the Oro Fine Extension, Poorman, Trook & Jennings and Columbia ledges. Probable arrount of bullion, \$500,000.

Shonebar Mill 10 8	tamps
New York & Owyhee Mill	66"
Cosmos Mill 10	66
Lincoln Mill	66
Grenzebach Mill	66
have all yielded more or less bullion, but have	not re-
ported. Next season they will be in successful	al opera
ion, and will, without doubt, yield over \$4,00	00,000 in
pullion.	,

No. of Mills
" Strains 109
" Days running time 820
" tons of ore reduced
" ledges ore taken 31
Amount of bullion\$1,463,755.74
Average yield per ton
Cost of transporting bullion to San Fran-
cisco @ 8 per cent\$117,100.45
Cost of transporting eoin from San Fran-
cisco to Owyhee @ 4 per cent 58,550.22

Total expense. \$175,650.67

It is difficult to estimate the amount of shipments of gold dust from this county during the past three years. In addition to the above the committee received from Hon. Gilmore Hays, the County Recorder of Owyheo county, a systematic report, corroborating the facts so set forth in the report of Mr. Purdy; also a fetter from A. Chittenden, Esq., Assayer at Rinby City, Owyheo, a gentleman of great learning and scientific attainments. The Committee also received from a very creditable source the following statement, showing the amount of treasure passing through the office of Wells, Fargo & Co. at the Dalles, Oregon, from April, 1865, to September, 1865, a period of six months:

1	ROM CANVON.	DALLES.	UP RIVER.	TOTAL.
April,	33,723	138,500	400,000	572,223
May,	34,567	112,050	500,000	646,567
June,	47,242	100,000	550,000	697,242
July,	56,308	108,000	475,000	639,308
August,	52,459	135,000	440,000	627,459
September.	51,606	207,000	450,000	708,606
Total,	\$275,905	800,500	2,815,000	3,891,405

Total, \$275,905 800,500 2,815,000 3,891,405
It will be seen that over two-thirds of the above amount was shipped from the "Up River," meaning the Boise Basin mines, to that of the Dalles, or any other intermediate point. It may be said, without the least disparagement to the other productive mineral localities in the Territory, that Owyhee has advanced more rapidly in the development of its mineral resonrces than any other section. To the unrivalled energy and enterprise of Messrs. More, Fogns & Co. is to be attributed the favorable impression at home and abroad of the Owyhee mines. The liberal spirit which has characterized throughout the operations of this Pioneer Company have only equalled their merited success and immense wealth.

owyhee mines. The liberal spirit which has characterized throughout the operations of this Pioneer Company have only equalled their merited success and immense wealth.

Owyhee.—Upon invitation, says the Owyhee Avalanche, we visited the Dardanelles ledge. It lies at the head of Jacobs Gulch about two miles north-west of Silver, and the same distance west of Ruby. It was discovered about six months ago by Messrs. Harkin, Franklin, and Bell Brothers. The discovery claims include eighteen hundred feet, and with the discoverers, Messrs. Dewey, Musgrave, McCann and Fingerlee are owners. A timel, run directly across the ledge, shows its actual width of solid quartz to be forth-three feet as measured in our presence. A shaft is sunk twenty-five feet in the bottom, and about forty feet from the mouth of the tunnel. This shaft is sunk fourteen feet from the north casing of the ledge. The ledge has been traced by labor and croppings over three thousand feet. We only heard of one extension being taken on the North and two on the South. The discovery parties are interested in the extensions; also E. Bohamon and others in the North, and M. A. Edmonds and others in the North, and M. A. Edmonds and others in the North, and M. A. Edmonds and others in the South. The croppings are twelve feet wide on the surface, or the second South extension. The course of the ledge is North and South, and crosses the head of Rich Gulch. Its richness is unquestionable. It has been tried by every process, except mill. Several assays have been made from different portions of the ledge, and the average is \$150 per ton. Mr. Bohamon obtained \$1.83 in gold from two and one-half pounds of rock by hand process. Mrs. Harkin has prospected all qualities of it, and obtained thattering prospecte such trial. By burning in the stove it blisters richly. After burning a small quantity this way, Mrs. H. panned out the ashes and got half an ounce of gold and silver globules. Messrs. Dewy and Musgrave have subjected the metal to acid tests, and are certain of its

Montana.

" tons ore reduced. 1400
" ledges ore taken. 18
Amount of bullion. \$100,000
A. P. Minear & Co., Proprietors.
In addition to the above, but of which I am not able

The Bloods and Blackfeet are in very strong force near Little Dog's camp, having come down from the British line in large numbers within the past few mouths. They are the most hostile of all, and say they are coming into the fort. The Gros Ventres are the most hostile of all, and say they are coming into the fort. The Gros Ventres are the most perfectly of the committee of all and say they are coming into the fort. The Gros Ventres are the control of the committee of all and say of the recent depredations of the Blackfoot tribe shows that within the last times months there have been deeve men killed by the committee of the blackfoot tribe shows that within the last times months there have been deeve men killed by the committee of the line of the little of the li

In conversation with the representatives of some heavy St. Lonis honses, who are largely interested in freighting to this Territory by the Missouri river, they admitted that the trade of the Territory was upon a balance whether it would go East or West, that whatever party held out the greatest inducements would be certain to get the greater part of it, and that, in their opinion, a responsible express to San Francisco would be almost certain to take it there, for the supply trade would follow the treasure. The agricultural interest of this Territory I do not look upon as important, except as anxiliary to the mining interest, as without the mines they could have no market for their produce; hut now they have a home market for everything they produce. Wheat, barley, oats, and all kinds of vegetables, are grown here. It is the best watered country I have seen. There is scarcely a valley through which there is not running a fine, clear stream of water. Timber is plenty on the hills, but is somewhat difficult to get out. I have been ammsed at times to hear the extravagant expressions used by the people of this Territory in praise of the country and elimate. One enthusiastic individual whom I met at the station just after I had crossed the boundary line, in speaking of the climate, said that there were valleys it Montana that were as warm the year round as the levee at New Orleans. I thought that pretty good for the climate of Montana, particularly as you can at this time of the year stand in the middle of any valley and see snow within half a mile on the hills in any direction in which you may cast your eyes. Afterwards, a scertained, was one of them, and was telling him the extravagant expressions used by the first party, in saying that the climate was as warm as New Orleans, when he, with the gravest countenance imaginable, exclaimed: "That is true—wo doubt about it?" Why, said he, "there is a valley a short distance above here where the grasshoppers live all winter?" That story let me out, and perfectly satisfie

Nevada.

Court House. One has just been set un motion upon the Foster mine, on Central Hill. Upon Lander Hill, as usual, a large amount of work is progressing in the various claims. In the Revenue Extension some find developments may shortly be expected; Providential work sinking out large quantities of ore, and producing more twenty unites southwesterly from San Autonio, near the road to Silver Peak. On account of its barrenuess and the supposed searcity of water, it had generally been as that metal at present, in a locality so remote from easy and cheap trainsportation, is of little value, on attention was now making to recret works for the reductions of the ores. Notwithstanding its look of extreme sterility, and places abound with timber. This mountain is situated singlen. A working test of the ore gave the fine yield

of two hundred and fourteen dollars in gold, and twenty-three in silver to the ton. A fine salt marsh, forty or fifty acres in extent, lies near its base. From prosent indications this isolated "Lone Mountain" is likely to prove an attractive feature of the desert. Hunt's Mill, San Antonio, after a few day's work upon ore from the Lee mine, cleaned up six thousand ounces of bullion. The mill is at present idle, the Lee not being sufficiently opened to furnish a constant supply of ore, as was expected, and as will be the case when properly explored. The mill company is now trying to negotiate with the Liberty Mining Company for a supply of ore—they having several thonsand tons at their dump, but I hardly think they will succeed, as the miners, for some reason, are not favorably disposed toward the mill company, on account of supposed favoritism shown at first to the Lee. Mr. Curtis, superintendent of the Macedon Company; is pushing the work of development upon this company's mines ahead with success. A fine mill, I understand, will be creeted by this company the ensuing summer." White Mountains, about 50 miles sonthwest of the Silver Peak District, have discovered and located 16 ledges, varying in size from 3 to 12 feet. They named the new district the White Mountain. Some of the veins exhibit gold without a trace of silver, and others silver without a sliver in varying proportions."

in size from 3 to 12 feet. They named the new district the White Mountain. Some of the veins exhibit gold without a trace of silver, and others silver in without a trace of gold, and others again contain both gold and silver in varying proportions."

Pahranagat.—Recent correspondence to the Allo gives the following particulars concerning this District: "I write, presuming that a few items descriptive of this new silver mining canp may be of interest, especially as its early development is identified with the commercial interests of your city, situated as it is near the head of navigation, on the Colorado River, by which way it will always be more accessible to the trade of San Francisco than by any other route. It lies one hundred and thirty miles north of Call's Landing, in the southeast-cru corner of Nevada, and three hundred miles south of the Reese River district, Quite a rush has already taken place from the districts of Washoe and Recse River to this lately discovered locality, and I have yet to see the man who has been on the ground, and has had experience in quartz, who does not concur in the opinion that there are no more promising mines to be found in Nevada. There are some three incorporated companies, working with New York capital, who have their mills now on the way, and will commence operations at au early day this summer. The discoveries have thus far been confined to a helt of montains embraced in three miles by about one mile in width. They are steep and precipitous, broken into spurs, and separated by narrow canons, well timbered with cedar and pine. The ledges in many cases may be seen continuous for a quarter of a mile, standing above the ground from six to thirty inches, crowning the tops and rimming the sides of the mountains. The first ledges were struck about a year since. Attention had been previously called to this section as a unineral country by some discoveries made in Meadow Valley, eighty miles east. An Indian, learning from specimens seen in the hands of the miners, brought to th

former acquaintances, after the first greeting they generally ask me where I have been. When I tell them, I generally perceive a desire on their part to get them, I generally perceive a desire on their part to get them, I generally be a common to the control of the control of

Oregon.

The Portland Herald, referring to the reported discovery of a rich gold bearing vein near Vancouver, says: "We are informed by parties interested, that some of the rock has been tested at the Oregon Iron Works, and a yield of \$20 per ton obtained. A specimen exhibited to us yesterday, appears to be burnt quartz, of a reddish color. On a tirst examination, it night be taken for iron ore, but upon closer scrutiny with a glass, small particles of gold present themselves to view." Louisiana.

On Petite Anse Island, in the southern part of Louis-iana, there is a bed of rock salt covering over one hun-dred acres, which, during the late war, supplied nearly

the whole of the Trans-Mississippi district. Twenty-one million pounds were taken from it in three months. Yet it is reported that but a very small portion of the deposit has been cut away. Immediate steps are now taking to develop the mine.

North Carolina.

Dr. R. P. Steveus of this city has just returned from a brief examination of the mines of North Carolina, and states that he is satisfied that if the mines in that State are judiciously worked, they will yield a handsome profit.

British Columbia.

British Columbia.

Exchanges of April 6, states that in the British Columbia Legislative Council a motion to abolish the three-dollar tonnage duties on home products and manufactures was lost; the Cattle Import bill was thrown out. The out put of coal at Nanaimo for March was four thousand tons; shipped, fifteen hundred tons. Miners are said to have reached Lillooet from the Bridge River mines, and reported that they had found a district which prospected on the bars \$12 to the pan. The submarino telegraphic cable which is to connect Vancouver Island with Washington Territory has been landed at Esquimalt, and will be laid in a few days from the British Government boat Forward. . . Most encouraging Big Bend intelligence, says the Victoria Chronicle, has been received in a private letter from the head of Shuswap Lake. The letter is from a driver of one of Smith & Ladner's tabogons, or dog sleds. He has been through to Columbia River three times during the winter, and on each occasion saw and conversed with miners at the mouth of Freuch Creek. He writes: "All to whom I spoke told the same tale—the diggings are rich and lasting. In some claims tho pay is uniform from the surface to the bed-rock. On the bed-rock the gold is coarser than in the upper dirt, where it is frequently tine—not flour gold, but sealy. * * * I saw one miner with \$500, which he said he had scraped together during the winter. * * * I saw one of the partners of Ladeur & Co. This company made hiyou gold last fall—\$18,000 apiece in two weeks after striking pay. He has been down to Colville, and got back with a good deal of trouble from ice and snow. This Freuchman said he wanted one more month to work his claim, and then he'd go home to France. * * * Seymour, (at the head of Shuswap Lake,) is full of people. I hear the town is in the wrong place—new towns usually are. * * Smith & Ladner have kept people from starving this winter, with their dogs and sleds. Columbia River is frozen stiff across. I went over it twice with my sled. * * I tis drizzling

Canada West.

We understand that considerable preparations are being made towards the proper development of the Hull iron mines, and bringing their hidden treasures into proper use. An immense smelting furnace is to be creeted, and other works introduced which will enable the iron to be successfully and properly brought out. An American company has undertaken to work the mines, and considering the extraordinary per centage which they yield (75 per cent. we believe), there is every prospect of their being in full and paying operation in the spring.

Mexico

Mexico.

Gold has been found near Santa Fe, and in Ria Arriba county a silver mine has been found which was once worked by the Mexicans, and which has been hidden for years; and near Los Vegas a company under Mr. F. O. Kihlbeng have found, and are now mining, what they report to be a very rich copper lode. The country round about these mines embraces the Sandia Mountains and their spurs, and prospects well for other metals besides copper.

Oil Summary.

Pennsylvania.

The oil market is looking up. Says the Reno Times of 3d inst.: Prices took an upward turn on Monday last and have been improving ever since. The producers ou the Stevenson Farm, Bennehoff Run and thereabouts have been filling contracts for several days past, and, just at present have but a small stock ou hand. The firmness and upward feeling in the market is partially owing to the small amount on hand, and partially to the Report of the Committee on Ways and Means, recommending the repeal of the tax en crude, on or before

the 1st of July next, which will have a tendency to induce small producers, at least, to hold on to their oil if possible, and thus save the tax. The shipments to Pittsburgh during tho past week have been large, and notwithstanding the heavy receipts prices have advanced a trifle at that point. The following are the closing prices:

rosuig pr			
		Platform\$4 75@5	
Oil City		4 50@4	75
Tarr, B	lood a	and Story Farms 4 00@4	25
Benneh	off R	un, (at wells) 3 50@3	75
On Pith	ole,	(at wells) 3 5)@3	75
Petrole	um C	entro 4 00@4	25
Rousevi	ille (c	on bank or Platform) 4 25@4	50
Boating	from	Petroleum Centre to Reno 606	075
66	6.6	Tarr, Blood and Story Farms 50@	060
6.6	6.6	Petroleum Centre to Shaffor 456	
6.6	66	Ronseville 25@	235
64	6.6	Reno to Pittsburgh 500	000
Transn	ortati	on from Rono to Cloveland	75

Michigan.

Michigan.

The oil excitement at Almont, Lapeer county, is running high. A company from Port Huron has been organized there to test the oil territory in the town of Dryden, seven miles west. There have also been five companies organized, who have leased several hundred acres for oil purposes. It is now thought by those who profess to be competent to indge that there are sure indications of oil in the regions above named. Professor Winchell, of Michigan, says in a letter: "The Lake Superior sandstone occupies a lower geological horizon than any formation which has hitherto afforded petroleum in productive amounts, though nearly all transformations have been known to afford it in quantities large or small. I am not prepared, however, to express a theoretical opinion entirely adverse to the prospect of success, even in the Lake Superior sandstone. Oil was first obtained in large amounts in the Cheming and Portage sandstones of Pennsylvania—next in the older Hamilton group of Canada—then at the bottom of the coal measures in Western Virginia and Ohio, and lastly in the lower silureans in Kentucky and Teunessee. There can be no theoretical reason why it should not occur a little lower still at Lake Superior. If the surface indications are such as you state, I incline to the opinion that there are feasons for cautions explorations for oil. In your district are some dark bituminous shales, which, if underlying the porous sandstone, sustain the same relation to the oil-containing rocks as the black shales of Pennsylvania, Kentucky and Tennessee, and I should not be at all surprised if oil should be obtained there by you. Nevertheless, it must not be forgotten, that the geological conditions are somewhat different from those of any known oir region, and expectation should not be permitted to run high."

Alabama.

A private letter from New Orleans states that: "Oil

Alabama.

Alabama.

A private letter from New Orleans states that: "Oil has been struck by parties who were boring for it at Gadsden, on the Coosa river, and that the whole country thereabouts was in a state of intense oleaginous excitement. Several prominent oil-promising regions of our own State have recently changed hands at high figures, and already the work of boring has been commenced near Lake Charles, on the Calcasien river, where a sandstone formation was struck at a depth of one hundred and twenty feet. A considerable number of oil springs have been found in the same vicinity and in the interior of the State. A valuable spring has also been discovered within two miles of fied river, above the raft, and the prospects on the Ouachita river, in Arkansas, are extremely dattering."

California.

The Los Angeles News of April 6th has the following: "Three barrels of crude oil are procured daily from three springs near San Fernando, which are under the superintendence of Rushmere. We are informed that arrangements are being made that will largely increase the amount collected from the springs. Water and oil continue to flow from the well of the Pioneer Oil Company, near this city. We have been informed that a new company will commence boring for oil, in the vicinity of this city, in a few days."

Canada West.

Professor C. W. Wright in an article upon the Petroleum Wells of Canada and Kentucky says: "The oil lands of Euniskillen county, Canada West, are located in the Devoutan formation. Those of the upper Cumberland have, in the main, the same gcological position. The surface oil of both is, as a general expression, of the lubricating quality. After descending for a few

hundred feet, in both regions, the oil is of the quality known as burning fluid. In both regions more or less eil-gas is evolved. Salt water is frequently encountered in both localities. In each of the localities flowing and pumping wells have been obtained; and tinally, in both localities the fossiliferous and lithological character of the formations present indubitable evidences of the fact that both of these remarkable regions were formed

GOLD.

COMPANY.	SHARES.	STOUR.	SITUATION OF MINE.	SECRETARY & PLACE OF BUSINESS.		SHARES.		SITUATION OF MINE.	SECRETARY & PLACE OF BUSINESS.
Acadia			Nova Scotia	II. W. Nelson, 24 City Ex., Boston.	Liebig	200,000	1.000,000	Colorado	Fred. Franck, 113 Water, N. Y. G. W. Farlee, 34 Wall, N. Y.
Albion	*******	\$ 300,000	Halifax, Nova Scotia	H. W. Nelson, 24 City Ex., Boston	Lake Major	12,000	\$600,000	Nova Scotia	G. W. Farlee 34 Wall, N. Y.
Alps	50,000	5 000 000	Sharbrook C E	H. W. Nelson, 24 City Ex., Boston. I. Stanton, Jr., 25 Nassan, N. Y. G. H. Morrison, 17 Nassan, N. Y.	Manusoth	50,000	500.000	Colorado.	J. Jarrett. 41 Liberty, N. Y.
tlantic	00,000	0.000,000	CHOTOTOOK, C. B	Chas. Barett, 13 Doane, Boston.	Manhattan	100,000	1,000,000	Colorado	W. R. Lothrop, 172 R'way, N. Y
tl tie & Pacific	50,000	5.000,000	Humboldt T., Humbolnt oo.	Chas. Barett, 13 Doane, Boston. J. N. Sewall, 8 Broad, N. Y.	Massachusetts	250,000	1,200.000	Gilpin co., Col	W. R. Lothrop, 172 R'way, N. Y. W. R. Lothrop, 172 R'way, N. Y. W. D. Briggs, 11 Phe'x B'l'g, Bo Jas, K. Selleck, 157 B'way, N. Y.
merican	100.000	5,000.000	Gregory Dist Neyada Dist. Col	H February N. V.	Merchants	30,000	600,000	Alturas co., Idaho	Jas. R. Scheck, 15; E way 15.
					Mountain Pride	100,000	1.000,000	B'r C'k, St. Bsc., Idaho	29 Pine, N. Y. C. B. Cowling, 39 Kilby, Boston,
altic	200,000	1,000,000	Colorado Colorado	New York.	Montague	59,000	500,000	near Halitax, Nova Scotia	C. B. Cowling, 39 Kilby, Boston.
ates & Baxter			Colorado	New York.					
lay State	200,000	500.000	Colorado	Lem'l Bungs, Boston.	Mount Vista	50,000	500.000	Mt. v. & Mam th Dist., Nev.	J. Chapman, 23 Nassau, N. Y.
Black Hawk	50,000	5.000.000	Colorado. Gilpin co., Col. Halifax co., Nova Scotia	D. Littlejohn, 81 John, N. Y.	Montana	100.000	400,000	Nevada, Ilis., Greg'y, Col	25 Park Row, N. Y. J. Chapman, 23 Nassau, N. Y. A. L. Guerber, 54 Wm, N. Y. F. B. Webster, Beston,
Beacon		500,000	Halifax co., Nova Scotia	I. B. Post, 20 Ex. Pl., N. Y.	Montezuma	100,000	500.000	Colorado	F. B. Webster, Boston. C. A. W. Sibley, 80 B'way, N. Y
Bobtail	100,000	1,000,000	0.1-1	J. Stanton, Jr., 25 Nassau, N. Y. D. Littlejohn, 81 John, N. Y. O. H. Conover, 219 Dock st., Phil.	Montrose	100.000	5.000.000	Owyliee co., Idaho	137 R'way N. Y.
Bradshaw	250,000	1.000,000	Vavanai County Arizona	O. H. Conover, 219 Dock st., Phil.					
surroughs	\$4M4_4MM3	1 0000 000		L. Pangs, 22 Pine, N. Y.	Melones & Stan.			Calaveras co on So. Boulder C'k, Col	606 Mont, San Francisco.
Bullion	200,000	L000,000	Bannock, Montana	55 Liberty, N. Y. J. P. Whitney, 19 Lindall, Boston	National	300,000	3,000,000	on So. Boulder C'k, Col	31 School, Boston. 25 Pine X V
Bullion Consoli.	200,000	1 000,000	Close Creek on Col.	J. P. Whitney, 19 Lindall, Boston	Nevaria Star	20.000	150 000	Black Hawle Col	J. Weatherhee, Jr., Boston,
anadian	200,000	1,000,000	Clear Creek co., cor	A. Call, 7 Phoenix BT'g, Boston.	New Mexico			near SantaFe	
hem. Gold&S. B.				J. P. Whitney, 19 Lindall, Boston. A. Call, 7 Phænix B'l'g, Boston. 64 B'way	New Gregory			C111 C Fix 1 1 1	W. A. Kent, 144 State, Boston. 10 Pine, N. Y. 71 B'way, N. Y. E. F. Reckleyn, 74 B'way, N. Y.
h. Un. Gold Co.	100,000	********	**************************************	66 B'way	New York City.	50,000	5,000,000	Austin N V Dist Navada	71 B'way, N. V.
larendon	100,000	500,000	12 miles from Halifax 5 miles from Halifax	H. Doane, 41 Stale Boston	New York of Col	100.000	1,000,000	Celorado,	71 B'way, N. Y. F. E. Roelfson, 74 B'way, N. Y. J. J. Osborn, 30 Pine, N. Y. F. E. Roelofson, 78 & 80 B _i way, 106 B'way, N. Y. 180 Chatham, N. Y. New York,
hase	5,000	500,000	Colorado	W. E. Lawton, 81 John, N. Y.	N. Y. & Nevada	100.000	1.000.000	Nevada	J. J. Osborn, 30 Pine, N. Y.
entral Gold M.	20,000	I,000,000	Colorado	L. Bangs. 22 Pine. N. Y.	N. Y. G Min'g	100,000	1.000,000	Colorado,	106 R'way N V
handiero	100,000	1,000,000	5 000 A Enmine Pig C F	Wm R Fowle Roston	N. Y. & Eldor'do			Idaho	180 Chatham, N. Y.
					N. Y. & Santa Fe			Nevada	New York.
Colonial				W. N. Ely, 7 Tray'r B'l'g, Boslon. R. C. M'Laughlin, 60 State, Bos'n. 12 Pine. N. Y.	N.Y. & Owyhee		1.000,000	Owyhee co. Idaho	180 Chatham, N. Y. New York, 4 Pine, N. Y. 187 Broadway, N. Y. New York, New York, J. Francis, 80 B'way, N. Y. Chas. Barrett, 13 Doane, Boston, 50s. E. 6ay, 3 Hanover, N. Y. H5 B way, N. Y. 100 B'way, N. Y.
Colorado Boston			Colorado	R. C. M'Laughlin, 60 State, Bos'n.	N. Y.& Oro Fino	10,000	1,000,000	Navada	New York.
Coleman			Colorado	New York	N. Y. & Washoe			Nevada	New York.
Columbia	30,000	3,000.000	Colorado Austin City, Nevada	IO Pine, N. Y.	North Clear C'k.	100,000	1.000,000	Gilpin co., Col	J. Francis, 80 B'way, N. Y.
Consuelo Gold	*******			31 Pine. 30 Pine, N. Y. W. W. Baldwin, 35 Wm., N. Y. J. C. Stocker, 137 B'way, N. Y. Districtly beis	Nova Scotia	100 000	1 000 000	Patroier Nove Section	Jos. F. Gay. 3 Hanover, N. Y.
Cook & Kindball	1.000	5.000.000 150.000	Gelorado	W W Baldwin 25 Wm V V	National S Min o	100,000	1.500,000	Owyhee co., Idaho	115 B'way, N. Y.
Copalinshee	250.000	5,000,000	Parke co., Col	J. C. Stocker, 137 B'way, N. Y.	Occidental	5.000	500,000	Nevada & Ills. C. Dist., Col.,	100 B'way, N. Y.
Jorrisannee	100.000	1,000,000	Colorado	New York.	Oldham				Chas. Barrett, IS Doane, Boston. Moses A. Hopnock, 47 Ex. Pl. 24 Pine, N. Y. 23 Nassau. E. R. Sawyer, 144 State, Boston.
Commonwealth.	100 000	9 500 000	Nevada	Philadelphia.	Pacific	40 000	4 000 000	on Comstock Lode, Nevada.	24 Pine, N. Y.
Continental	20,000	2,000,000	Gregory Dist., Col	115 Liberty, N. Y.	People's	100.000	5.000.000	Alpine & Sierra cos	23 Nassau.
Central Gold	200,000	1.000.000		Philadelphia. 46 Exchange PL, N. Y. Lis Liberty, N. Y. Lis Bangs, 22 Pine, N. Y. John S. McMullin, 423 Walnut, Pa. T. Chalmers, R. 90 Ev. Pl. N. V.	Peck				23 Nassau. E. R. Sawyer, 144 State, Boston, J. W. Stratton, 19 B'way, N. Y. F. K. McCully, 157 B'way, N. Y. 15 Nassau, N. Y. E. W. Clark & Co., Phila, W. H. Stenedervant, 23 Nassau, J. S. Lyon, 64 Wall, N. Y. R. H. Rickard, 19 Nassau, 69 B'way, N. Y. W. H. Chessman, 9 Central, B'stu
Dauphin & Colo.	200,000	L,000,000	Colorado,	John S. McMullin, 423 Walnut, Pa.	Perigo	60,000	3,000,000	Pine Mountain Dist Nor	F. K. McCully, 157 B'way, N. Y.
De Lerv	300,000	3,000,000 To ooo ooc	Chandiero Valley Canada E	I. Chambers, Jr., 20 Ex. Pl., N. Y., I. M. Winchell, 72 Codar, N. V.	Pioneer & Juskin	30,000	5.000,000	Buena Vista Bist., Nevada	15 Nassau, N. Y.
Denver	50,000	1.000.000	Gilpin & Clear Creek, Col	J. Wadsworth, 61 Cedar, N. Y.	Phila. & Color'de	20,000	1,000.000	Central City, Col	E. W. Clark & Co. Phila.
Devonshire				W. Stockbridge, 74 Fr'klin, Bos'n.	Phelps & Gilm're	200,000	1.000,000	Colorado	J. S. Leon. 65 Wall N. V.
Downleville	a00,000	300,000	Chandiero River C F	F. McJimsey 59 Wm N. V.	Pantine Pantine	50,000	I 000 000	III. Cen. M. Dist., Col.	R. H. Bickard, 19 Nassan.
Eagle	100.000	1.000.000	Gold Dirt Dist. Col	J. P. Davies, 81 John, N. Y.	Prescott	100.000	1.000.000	Central Arizona	69 B'way, N. Y.
East Bannack	100,000	200,000	Bannack City Montana	J. Callender, 48 Ex. Pl., N. Y.					
Eldorado	250,000	2.500,000	San A Dist., 9 miles of Austin.	John S. McMullin, 423 Walmut, Pa. T. Chalmers, Jr., 26 Kr. Pl., N. Y. J. M. Winchell, 72 Cedar, N. Y. J. Wadsworth, 61 Cedar, N. Y. W. Stockbridge, 74 Friklin, Bos'n, J. C. Harriott, 70 Wall, N. Y. F. Mcdimsey, 59 Wm., N. Y. J. P. Bavies, 81 John, N. Y. J. Callender, 48 Kr. Pl., N. Y. 208 S. Fourth, Phila. H. K. Gabes, 191 B'way, N. Y.	Quaker City	40,000	Tort oon	Nevada Dist., Col	J. A. Tyler, 29 Wall, N. Y.
					Rapche C'k	10.200	1,200,000	Pine Wood Dist., Nevada	18 Broad, N.Y.
Enriquetta			Arizona	O. F. Grillin, San Francisco. New York. 117 Broadway, N. Y. C. W. Bryant, Boston, J. Weatherbee, Jr., 11 P. B'g, Bos, D. L. Dodge, 30 B'way, N. Y. C. G. Mease, 29 William, N. Y. H. K. Gates, 191 B'way, N. Y. New York.	Division		1.600.000	G'd Hill D., Storey co., Nev.	117 B way, N. Y.
Esperanza	50.000	500,000	Star D., Humboldt co	117 Broadway, N. Y.	Recse River Pr'I	100.000	1 000 000	AmadorDist Landor Co Nes	Elijah Alliger, 67 Wall, N. Y.
Etna	30.000	200,000	Central City Col	I. Weatherhee Jr. 11 P R'a Ros	Renfrew	100.000	1,000,000	Annador Diser, Landor Co., Act	Elijah Alliger, 67 Wall. N. Y. W. Stockbridge, 74 F'klin, Bos't 67 Exchatge Pl., N. Y. E. L. Belles, 49 Ev. Pl. N. Y.
Famine Falls	100,000	1,000,000		D. L. Dodge, 30 B'way, N. Y.	Republic	15,000	1.500.000	Amador B., Lander co., Nev.	67 Exchange Pl., N. Y.
Garrisons	100,000	5,000,000	Colorado	C. G. Mease, 29 William, N. Y.	Rocky Mountain	50,000	500,000	Grey & Empire Dists., Col	B B Grant Jr. 71 Bway, N. 1
Gem	25,000	1.200.000	. Colorado	Now York	Scorpion	100,000	1.000.000	Virginia City, Nevada	617 Clay, San Francisco.
Gilbert River.				C. E. Jackson, 18 Phe'x B'g, Bos'n	Sherbrooke	100,000	1.000,000	Sherbrooke, Canada East	betexchange (L. N. Y. E. I., Belles, 49 Ex. Pl., N. Y. B. B. Grant, Jr., 71 B'way, N. Y. 617 Clay, San Francisco, F. Schamacker, Cliff, N. Y. 18 Wall, N. Y.
Gilpin				C. W. Galloupe, 76 State, Boston.	Silas Wright	60.000	600,000	Amader D., Lander co., Nev.	15 Wall, N. 1.
Gold Field	250,000	5,000,000	,	New YOFK. C. E. Jackson, 18 Phe'x B'g, Bos'n, C. W. Galloupe, 76 State, Boston, J. H. Sherman, 19 Broad, N. Y, C. B. Cowling, 39 Kilby, Boston, B. M. Leckwood, 113 Wadl, N. Y, W. H. Cheesman, 9 Central, Bos'n, W. T. Enstis, Boston, 28 Nassan, New York	Silver State	100,000	500,000	Humb't co., Nevada.	F. Schumacker, Chir. N. Y. 18 Wall, N. Y. R. S. Miller, 49 William, N. Y. Emmet Blair, 243 B'way, N. Y. G. A. Lathrop, 4 Broad, N. Y.
Gold Rock	-5.000	500.000	Central City, Colorado.	B. M. Lockwood, 113 Wall, N. V.	Silver Wave	300,000	3,000,000	Resee riv Lander co., Nev	Emmet Blair, 243 B'way, N. Y.
Gold River				W. H. Cheesman, 9 Central, Bos'n.	Smith & P'rmlee	125.000	2,500.000	Colorado	G. A. Lathrop. 4 Broad. N. Y. A. F. Baum 48 Broad st., N. Y. 228 South Third. Phila. Canastota, N. Y.
Gold Hill	50,000	500,000	Colorado	W. T. Eustis, Boston.	Smithfield	100,000	3 000 000	La Plata, Churchill co. Nov.	228 South Third. Phila.
Gold Mountain.	50.000	5,000,000	O Clear Creek Co., Colorado, O Colorado O Sum., Highl'd&Mill C. D., Mon	F Latham 22 William N V	So Clear Ck		5.000,000	Colorado	Canastota, N. Y.
Golden Gate	60,000	600,000	Sum . Highl'd&Mill C. D., Mon	J. Morse, Jr., New York.	Starlight Ledge.	50,000	500,000	P'ville, El Dorado co	I M Decree on Ding N N
Gunnel Central.			·Colorado	7 d Broadway, N. Y. F. E. Roelfson, 78 & 80 B'way, N. Y. Thos. Wildes, 17 William, N. Y. J. Stanton, Jr., 25 Nassau, N. Y. E. Kemeys, 70 Broadway, N. Y. E. E. Bradelson, 71 Broadway, N. Y.	Star of Color	200.000	2,000,000	Colorado	J. N. Powers, 22 Pine, N. Y. T. A. Mitchell, 12 Wall, N. Y. 157 B'way, N. Y. New York.
Gregory	20 000	3,000,000	Colorado	These Wildes 17 William V. V.	Standard	20,000	2.000.000	G'd Can. Lander co., Nev.	157 B'way, N. Y.
Granada	50,000	125.00	0 Colorado	J. Stanton, Jr., 25 Nassan, N. Y	Sterling City		1.200,000	t'olorado	15 D Way, S. 1. New York, C. Durham, 31 Exchange, Bosto Carlos Cobb, 22 William, N. Y. Wm. Wallace, 11 Ioane, Boston C. E. Jackson, 15 Central, Bosto C. E. Jackson, 15 Central, Bosto
Great Western.	60,000	600,00	0 Russel Dist., Col.,	E. Kemeys, 70 Broadway, N. Y.	Stewart	100.000	500,000	Colorado	Carlos Cobb. 22 William N. V.
Gunnel Gold	100,000	1.000.00	d Colorado	F. E. Roelofson, 74 B'way, N. Y.	Souther-I			*******************	Wm. Wallace, 11 Poane, Boston
Harmony				F. E. Roelofson, 74 B'way, N. Y. A. Case, 7 Pheebix B'l'g, Boston, Demas Barnes, 21 Park Row.	Stafford	******			C. E. Jackson, 15 Central, Bosto
Her'it'ge Ranch	30,000	300.00	0 Et Dorado, Cal	The same of the sa	Tascher	100,000	I.000,000	Colorado	C. E. Jackson, 15 Central, Boston F. J. Wright, 8 Wall, N. Y. Wm. E. Parish, 155 B'way, N. Y. San Francisco.
					Texas	50.000	500,000	Black Hawk City, Colorado. San Antonio, L. Cal	San Francisco.
Humboldt	100,000	500,00	0 Clear Creek co., Col 0 Colorado	J. O'Neill, 2d Win, N. Y. 78 Blway	Union	240.000	12,000,000	Colorado	F. A. Potts. 110 B'way.
Idaho	-100,000		. Montana	5 Pine, N. Y.	United States	75.000	1,500,000	Colorado	J. P. Stevens, N. Y.
Invincible					University				31 Nassau, N. Y. W. H. Chessman, Central, B'st J. R. William, 78 & 80 B'way, 35 William, N. Y.
Isaac's Harbor.	100,000	500,00	0 Isaac's Harbor, Nova Scotia.	W. F. Shirley, 137 B'way, N. Y.	Victoria	250.000	250.000	Voyada	J. B. William, 78 & 80 B'way
Kansas Colorado	100 000	1 000 00	0 Colorado	44 Fx. Fl. J. G. Greenlies, 111 B'way, N. Y.	Wanha Yuma	500,000	6.000.000	Arizona	35 William, N. Y.
Kent	1107.000	1.000,00		G. H. Wyman, 19 Phe'x B'l'g Bos	Waddingham	24,000	600,000	Alturas co., Idaho	35 William, N. Y. Jas, K. Selleck, 104 Wall, N. Y. J. Leighton, 97 State, Pestor
Tin & Duall	100,000	200,00	0 Colorado. 0 Colorado. 0 Nevada Dist., Colorado	G. H. Wyman, 19 Phe'x B'l'g, Bos. J. C. Harriott, 70 Wall, N. Y.	Waverley			Colomada	J. Leighton, 97 State, Pester 25 William, N. Y New York.
Rip & Buen									

LEAD.

COMPANY.	SHARES.	STOCK.	SITUATION OF MINE.	SECRETARY & PLACE OF BUSINESS.	COMPANY.	SHARES.	STOCK.	SITUATION OF MINE.	SECRETARY & PLACE OF BUSINESS.
Amenia	100,000 \$	500,000	Duchess co., N. Y	G. Furman, 77 Cedar, N. Y.	Mount Hope	80,000	200,000	Mt. Hope, Orange co. N. Y.	W. Williams, 24 Pinc. N. Y.
Bucks County	40,000	200,000	Bucks co., Pa	R. R. Sinclair, 53 Ex. Pl., N. Y.	New Hampshire	100,000	500,000	New Hampshire	W. A. Farrar, 71 B'way, N. Y.
Canada		250,000	Canada	Alb. Case. 7 Phe'x B'l'g. Boston.	N V. & Boston.		1,000,000	Chester co., Pa	S. M. Cockem, 22 William, S. Y
				New York.	Oswegatchie				24 PDic. N. 1.
Clute	110,000	550,000	Macomb T. St. Law, co., N. Y.	Bey Ty S. Merrill. 42 Cedar, N.Y.	Owens Lake	50,000	- 250 000		C. W. BOBIG. AN CEGILL . A. X.
Continental		500,000	Martinsburg, N. Y	J. Sickles, 57 Ex. PL, N. Y.	Phonix	50,000	250,000	Columbia Co., N. Y	G. W. Batler, of William, N. Y.
Eastport	100,000	1,000,000	Eastport, Me	R. Vose 54 William N. V.	Placentia Bay	200,000	1,000,000	Newfoundland	J. Simpkins, 29 Wall, N. Y.
Erie	40,000	4,000,000	Grange co., N. Y	Ogden Gant 25 Pine, N. V.	Ramsay		500.000	Township Ramsay, C. W	C. W. Bryant, Boston.
Hampton	100,000	500,000	Hampshire co., Mass	C. W. Bryant, Boston.	Rochester	200,000	500,000		J. A. Ferguson, 8 Wall, N. 1.
					· Possio				24 Pine. N. 1.
King's Hill				W. L. Haskin, 180 Il'way, N. Y.	Rosa Clara	100.000	1 BOG 500)	H. Latter p a Aussau, A. X.
			(Secs. 5 & 36 T., 49 & 50 R.		St. Clair	100.000	1 (00) 100)	II. D. Hawaille, at Maccau. A.
Lake Superior	200,000	1,000,000	Secs. 5 & 36 T., 49 & 50 R. 28 & 29 Marquette co, Mich.	C. L. Mather, N. Y.	St. Joseph	100,000	T CORLOR)	W. Williams, 2d Nassau, N. 1.
Lancaster	50,000	250,000	Lancaster co., Pa	J. R. Sibley, 35 Pine, N. V.	Shawangunk		500.000	Mt Hope Orange co., N. Y.	E. P. Ackerman, 48 Pmc, N. Y.
Macomb		550,000	Macomb T. St. Law. co., N. Y.	C. E. Scoffeld, 42 Cedar, N. Y.	Succor	125,000	625,000	Sparta Town, Sus'x co., N. J.	F. H. Stow, MrCedar, N. Y.
Maine				A I Dutler 54 William N W	Walleill			Orange co., N. Y	W. A. Scott. 170 B way, N. Y.
Mineral Point	100,000	500,000	1St. Lawrence co., N. Y.	H. W. Warren, 60 City Fx., B'stn.	Warren			Warren, Grallon co., N. H	J. S. Christie, 100 D way . A
Morgan	100,000	500,000)	W. Williams, 42 Cedar, N. Y.	White Mountain			New Hampshire	111 B'way, N. Y.

SILVER

COMPANY. SI	HARES. S	FOCKS. LOCATION OF PROPERTY. SEC'Y AND P	LACE OF BUSINESS.	COMPANY.	SUARES.	STOCKS.	LOCATION OF PROPERTY.	SEC'Y AND PLACE OF BUSINESS.
	25,000	250,000 Neyada, W. L. Louther		New York	50.000	5.000.000	Gold Can Dist. Lander Co. N	78 Broadway, New York, 10 Pine street, New York
izona 1	199,000 10	250,000 Argentiue Dist., Colorado D. L. Demmon, 000,000 22 m W of Tubac, Arizona J. B. Randol.	32 Pine st., N. Y	New York City. New Y'k Dis'ct.			vo v. Con Auctin N V Die	
or	50,000 1 20,000 1	000,000 On Courstock Lode, Nev J. Chapman, 7,000,000 Humboldt T. Hum't Co, Nev. J. N. Sewall,	8 Broad st., N. Y.	New Y'k & Nev.	10.000	1,009,000	Nevada	J. J. Osborn, 30 Pine street, N. 6 Nassau street, New York.
ck Eagle	7.000	600.000 Smk'y Hill, Lander Co. Nev. 350.000 Carson, Owyhee co., Idaho., O. D. Gardner.	. 40 Maiden lane.	N. Y. & O. F. G. & S. M.			dodo	
11	50.000	,000,000 Baonock, Montano 55 Liberty str 500,000 Austin City, Nevada 176 Chambers	st., N. Y.	N. Y. and Silver				R. C. Root, 74 Broadway, N.
orado Con		50.000 Nevada J. W. Stoute, J. Cedar Hill Nevada New York.		Peak N.Y. & Sauta Fe.			Nevada Nevada	New York.
nn. & Nevada. 1	120,000 I	,000,000 Austin City. Nevada J. E. Smith, 10 ,250,000 Averill, Churchill Co. Nev 47 Liberty str	ect. N. Y.	North Im Mig			Nevada Lower California Mexico	Philadelphia.
smos	10.000	,000,000 Gold Hill, Nevada 80 B way, N. Awyhee Co, Idaho 137 Broadway	, N. Y.	Ophir	100.000	500 000	On Comstock Lode, Nev Alpine & Sierra Counties	S Pine street New York
trango	5.000	Lower California New York 500,000 W. R. Garriso	m. 73 Whest., NY.	Phœnix	20 P. P. (16 M.)	CHURCH TRUE		45 East 20th Street, New York
apire G. & S.	100,000 10	200,000 Bannock City, Montano J. Callender, .000.000 Bodie Bluff. Mono H. R. Gates,	191 Broad'y, N. Y.	Pine Mount'n Pioneer and In-	30,000	3,000,000	Pine Mount'n Dist. Nev Buena Vista Dis, Austin	T. H. Perkins, New York. F. K. McCulley, 100 Bd wy. N.
npire and Silver State	20.000	,000,000 Reege River Dist . Nevada 57 B'way , Nev	w York.	skip	50.000		Nev Arizona	45 Nassau street, New York.
ssex & Diadem.	125,000 :	500,000 San A 90 m s of Austin Nev 208 South Fon 500,000 Sierra dis, Humboldt C. Nev. A. R. Wetmore		Republic Revenue Exten	15.000 50.000	$1.5 \mathrm{0.000}$	Amader, D Lander Co. Nev	67 Ex. Place, New York. W. L. Kite, 142 South 4th, Phil
en	200.000		191 B'way, N. Y.	Rosario and Car-			Sipaloa. Mexico	
ood Hope	20,000	.000.000 40 in 5 of Austin, Nevaga 80 Breadway,	N. Y.	Rough Diamond. San Antonio.				
cas	300,000	Montano	. 19 Lindall, Bost.	Seminole Silas Wright	7 000	1.5000000	Uniony., Humboldt Co., Nev Anador, D Lander Co., Nev.	1. G. Wekin, 171 B way, N. V.
nickerb'r and Nevada	20.000	.000.000 Union Dis. Nye Co, Nev H. R. Shotwel	II. 70 Cedar, N. Y.	Silver Hill Silver Series	40.000	1.000,000	Nevada	J. C. Hitchcock, 62 B'dway, N. W. B. Rogers, 119 B'way, N. Y
ncoln		New York	N.Y.	South Boise, T.Co	200.000	1,000,000	Alturas Co., Idaho	
adison	30.000	.000.000 North Part of Lower Cal	is, 71 Bd wy, N. Y.	St'h Cl' Crk Stephenson			Celorado	Canastota, New York. A. S. Kellogg, 22 Pine, New Yo
acedon		Nevada Philadelphia New York New York 157 Broadway		Steptoe	20.000	2,000,000	Gold Can. Lander Co. Nev.	10 Pine New York
erropontan	10.000	and any Austin City, Nevaga, 158 Broadway	. N. X.	Tarshish Tempest	12.000	1.200.000	Toryabee Range, En. D., Ne	New York. H. S. M'Collum, 109 B'way, N.
orning Star ouut Vernen	500,000	,000,000 Owybee County, Idaho 137 Broadway ,000,000 Monot Vernon & Mammoth	, N. Y.	Trumfo		5 (100) (100)	San Autonio, Lo'wr Cal	 Paugs, 22 Pine street, N. Y. San Francisco. J. M. Brown, 157 B'wy, N. Y.
oust Vista	50,000	District, Nevada New York. 500,000 J. Chapman, 7	I Bway, New York.	Toiyabee Union & El D'o	100,000	1,000,000	Mogul Silver Mu'tn Mogutana	
ational	100,000	500.000 Owyhee Co. Idaho 115 Broadway 300.000 MountainWells. D. Ch. co.Nev 323 Walnut st	reet, Phila.	Upper Missouri. Wamba Yuma		6.000,000	Arizona	5 William street, New York
ew Y'k & Ione	120,000 20,000	.200.000 Nevada. E. L. Bolles, 4 2,000.000 Ione City, Nye Co., Nev 71 Broadway,	9 Ex. Place, N. Y. N. Y.	White Mountain			New Hampshire	. 111 Broadway, New York.
			COPI					
	SHARES.		PLACE OF BUSINESS.		20.000		SITUATION OF PROPERTY.	SEC ³ Y., AND PLACE OF BUSINES P. C. Biaucan, 35 Wall St., N.
dventare,	20,000	Parts of Sections 35, 36, T. 51, N Range 38 W, W. H. Smit	h, 51 Ex. Pl, N. Y.	Lafayette,			43, and 44, W. Ontonagon,	H. W. Nelson, 24 City Ex., B's
tna,	20,000	1226 A neSecs. 6, 7, 18, T. 58, N.B. A. Hoop R 24, W Keweenaw co. Mich. Phil.		Lyster, Lower California	40,000 2	2.000,0000.5	. part of Lower California.	Fred Beck 43 City Ex. B'st't
lb'ny & Bost'n, nita,	20,000 $20,000$	Secs 7, S, 9, 10, 11, T. 55, R. 33 Fred. Beck, Del Norte co., California, 8 Wall St., N	43 City Ex., Boston.	Madison, Merryweather.	20,000 20,000		Sees. 9, 19, T. 48, N. R. 4, W, 80 A. Sees. 8, 17, 19, 30, T. 58	J. T. Waters, New York.
dgomalı, Uloqez,	20,000	W 34 S, 30, T. 51, R. 37, L. W. Clark, Town 57, R. 32, Sec. 31, Horatio Bige	, Boston.	Mandan,	20,000	0	N. R. 29, W., Keweenay	B. A. Hoopes, 324 Wainut, Ph
my gdl'yd'l.,	20,000	E ¹ ₄ Sees. 16, 21, T. 58, R. 20, NW ¹ ₄ Sec. 5, T. 57, R. 31, F. H. Womr	ath, 324 Walnut St.,	Manhattan,	20,000	7	CO., Min., V., Sec. 11, NW , Sec. 14, T	J. W. Davies, 21 Nassau St., N
readian,	20,000	NW 1 Sec. 20, T. 57, R. 33, Philadelpl	nia.	Mendotta,		500,000	T. 58, N. R. 32, W, 300 A. W & Sec. 7, T. 50, N.R. 38, W	M. Taylor, 30 Wall St., N. Y.
Istor,	20,000	NW 4 Sec. 5, T. 57, R. 31 A. W. Boar		Mass. M. Co., Mesnard,	20,000		KE1, Sec. 24, T. 55, R. 34,	L. Barr. 12 Phoenix B'gs. Bost 606 Mont St., San Francisco
Atlas,	20,000	160 A, NE'4 of E¼ & NW¼ of NW¼ Sec. 31, T. 57, R. 31, W & Sec. 31, T. 51, N. of R. 37, L. W. Clark		Melones & Stan., Minnesota,	20,000		hlaveras co., Sec. 15, T. 50, N. R. 39, W,	S. M. Pond, 12 Pine St., N. Y. Baltimore.
Aztec,	20,000			Moryland, Merrimac,	20,000		duryland, SW 4 Sec. 34, T. 51, R. 38, W	
Bay State, Beaver,	20,000 20,000	SW 4 Sec. 29, T. 58, R. 31, L. W. Clark	, Boston. Iman. Boston.	National,	20,000		Ontonagon, Sec. 16, T. 50, R. 39, W. 1,988 A	J. M. Mills, 284 Pearl St., N. J. M. Gooper, l'ittsburgh.
Boheman,	29,000	51, R. 37, W, R. H. Ricka	rd, 21 Nassan St., N.Y.	Native, Nashna,		100,000:	Keweenaw Point, Michigan, 320 A. N. Ontonagon,	W. F. Hardy, 27 City Ex., B's
Boston, Canada,	20,000 100,000	Brome co., Canada East, H. P. Moun	ren. 60 City Ex., B'st'v. t, 3 Hanover St., N. Y.	Nebraska,	20,000		lands.	F. S. W. J. Weblt, 54 Wall St., N G. S. Frost, Detroit.
Carp Lake, M.,	20,000	T. 51, N. R. 43, W. S¼ of N¼ of N. Sec. 14, and E17 Sec.		Nequakett, New York,	20,000 20,000		Sec. 26, T. 51, R. 43, 240 A. SE) ₄ Sec. 19, E) ₄ NE; Sec. 15.	11. W. Nelson, 24 City Ex., B's
	90.000	23, and NE 14 Sec. 23, 440 A, W. H. Abel SW 14 Sec. 9, T. 49, N. R. 39,		New Burra,			Baltimore.	
Cascade, M.	20,000	CW 1 CO. 8, 1. 49, N. N. OS,			100 000	1 000 000	Visco Lancor	R. Robarts, 19 Nassau St., N.
Copper Creek,	1,000	W, in Outonagou co., Mich., G. F. Riley.	, 35 Wall St., N. Y. upson, Missouri, Mo.	New Jersey Con. N. Y. & Passaic,		1,000,000	New Jersey. Harrison, Bergen c.,	W. Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., I
Copper Creek, Copper Falls,		W, in Oatonagou co., Mich., G. F. Riley. \$100,000 Missouri, H. M. Thon Sec. 14, T. 58, N. R. 31, W, Keewe: ah Point. 97 State, Be	ipson, Missouri, Mo.	New Jersey Con.		1,000,000	New Jersey. Harrison, Bergen c., W1/, Secs. 24-25, 26, E1/, Sec	W. Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo. do. do. g. 17 William St., N. Y.
Copper Creek, Copper Falls, Copper Harbor,	1,000 20,000 20,000	W. in Oatonagou co., Mich., G. F. Riby, \$100,000 Missourr, Sec. 14, T. 58, N. R. 31, W. Keewee ah Point, 8½ Sec. 10, T. 58, R. 28, 320 A. Keeweenh co., Fred. Beck	ipson, Missouri, Mo.	New Jersey Con. N. Y. & Passaic, New Pevon,	20,000	1,000,000	New Jersey. Harrison, Bergen c., W4 Secs. 24, 25, 26, E4/ Sec 36, 35, T-58, N.R. 31, Secs. 11, 12, T-40, N.R. 39, W	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., N. T. H. Belt, Jo., do., d s. 17 William St., N. Y. J. M. Cooper, Boston and Det
Copper Creek, Copper Falls, Copper Harbor, Copper Creek, Central,	1,000 20,000 20,000	W, in Oatonagou co., Mich., G. F. Riby, \$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W, Keewer all Point, \$4 Sec. 10, T. 58, R. 28, 520 Sec. 23, T. 58, N. R. 31, W, Keewer all Point, \$1 Sec. 20, Wisconsin, T. B. Laws, \$600,000 Eys, Sec. 23, T. 58, N. R. 31, W. J. Santhen, \$1 Sec. 23, T. 58, N. R. 31, W. J. Santhen, \$100,000 Eys, Sec. 23, T. 58, N. R. 31, W. Santhen, \$100,000 Eys, Sec. 23, T. 58, N. R. 31, W. Eys, Sec. 23, T. 58, Sec. 23	npson, Missouri, Mo. oston. . 43 City Ex., Boston. on, 73 Broadway, N. Y.	New Jersey Con. N. Y. & Passaic, New Bevon, North Western, Norwich, Ogema,	20,000 20,000 20,000 20,000	500,000 500,000	New Jersey, Harrison, Bergen c., W4 Sees, 24, 25, 26, E14 See 36, 35, T. 58, N.R. 31, Sees, 11, 12, T. 40, N.R. 39, W and other lands, 1, 200, A, NW 5, See, 6, T. 50, N.R. 33, W	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., 3 T. H. Belt, Jo. do. do. do. g. 17 William St., N. Y. J. M. Cooper, Boston and Det J. P. C. Blancan, 35 Wall. St., N. F. G. E. Leifingwell, 162 19 way,
Copper Creek, Copper Falls, Copper Harbor, Copper Creek, Central, Cornwall,	1,000 20,000 20,000 20,000 20,000 200,00	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W, Keewer ah Point, \$4\'\\$ Sec. 10, T. 58, R. 28, 320 \$500,000 Ey Sec. 23, T. 58, N. R. 31, W, \$4\'\\$ Sec. 10, T. 58, R. 28, 320 \$500,000 Ey Sec. 23, T. 58, N. R. 31, W, J. Santhen, Strafford, Orange co., Vt., \$500,000 Missourthisburg, New York, \$1. Sickles.	npson, Missouri, Mo. oston. . 43 City Ex., Boston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. nov, 17 State St., B'n. 50 Ex. Pl., N. Y.	New Jersey Con. N. Y. & Passaic, New Bevon, North Western, Norwich, Ogema, Outonagon,	20,000 20,000 20,000 20,000 20,000	500.000 500.000	New Jersey, Harrison, Bergen e., W/, Sees, 24, 25, 26, E1/2 See 56, 35 T 58, N R 51, Sees 11, 12, T 40, N R 59, and other lands, 1 500 A, NW 5, Sec. 6, T 50, N R 53, 631 A, Sees, 20, 21, 28, T, 5 N, R, 39, W, Rockland	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do, g. T. William St., N. J. M. Cooper, Boston and Det P. C. Blancan, 35 Wall St., N. G. E. Leilingwell, 162 B'way, G. Hart, 11 Pine Street, N. Y.
Copper Creek, Copper Falls, Copper Harbor, Copper Creek, Central, Cornwall, Corintal, Corintal, Copper Hill,	1,000 20,000 20,000 20,000 20,000 20,000	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W, Keewer ah Potnt, \$4\forall Sec. 10, T. 58, R. 28, 320 \$500,000 Eys Sec. 23, T. 58, N. R. 31, W, Keewer ah Potnt, \$4\forall Sec. 10, T. 58, R. 28, 320 \$500,000 Eys Sec. 23, T. 58, N. R. 31, W, J. Santhen, Strafford, Orange co., Ver, \$500,000 Grinth, Orange co., Verment, \$500,000 Grinth, Orange co., Verment, \$500,000 Grinth, Orange co., Verment, \$500,000 Missoushit, \$500,000 Misso	npson, Missouri, Mo. oston. . 43 City Ex., Boston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. nov, 17 State St., B'n. 50 Ex. Pl., N. Y.	New Jersey Con. N. Y. & Passaic, New Bevon, North Western, Norwich, Ogema, Outousgon, Ont'n'g'n, Mass. Otisville,	20,000 20,000 20,000 20,000 20,000 20,000 100,900	500,000 500,000	New Jersey, Harrison, Bergen e., W1/Socs, 24/25, 26, E1/4 Sec 26, 35/45/75, Nr. 31, Secs. 11/12/17/40, Nr. 39, W and other lands, 1/300/A, NW4, Sec. 6, T. 50, Nr. 33, 631/4, Secs. 20, 21/28, T. 5 N. R. 33, W. Rockland, Ostonagen, Ostonagen,	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do, J. William St., N. J. M. Cooper, Boston and Det P. C. Blancan, 35 Wall St., G. E. Leftingwell, 162 B'way, G. Hart, 11 Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 69 Wall St., N. Y.
Copper Creek, Copper Falls, Copper Harbor, Copper Creek, Central, Cornwall, Corintal, Copper Hill, Dacotaln,	1,000 20,000 20,000 20,000 20,000 20,000 20,000	W, in Oatonagou co, Mich., G. F. Riby, S100,000 Missourt, Sec. 14, T. 58, N. R. 31, W, Keewer ah Point, S4 Sec. 10, T. 58, R. 28, 320 S00,000 Eys, Sec. 23, T. 88, N. R. 31, W, J. Santher, S100,000 Eys, Sec. 23, T. 88, N. R. 31, W, J. Santher, S100,000 Corinth, Orange co, Vermont, W. A. Clev Boston, Sec. 35, T. 55, R. 34, Portage Lake, J. M. Coope, J. M. C	ppson, Missouri, Mo. 98ton. 43 City Ex., Boston. on, 73 Broadway, N. Y. Jr., 25 Nassau, N. Y. pry, 17 State St., Bu. 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston.	New Jersey Con. N. Y. & Passaic, New Bevon, North Western, Norwich, Ogema, Outonagon, Out'n'g'n, Mass.	20,000 20,000 20,000 20,000 20,000 20,000 100,900	500,000 500,000	New Jersey, Harrison, Bergen e., W1/Socs, 24-25, 26, E1/4 Sec 26, 35-T-58, N.R. 31, Socs, 11, E2, T-40, N.R. 39, W and other lands, 1,300 A, NW4, Sec 6, T-50, N.R. 33, W 63I A, Secs, 20, 21, 28, T-5 N, R. 39, W. Rockland, Ostonagen, Ostonagen, Ostonagen, 14, 15-2 4/4 Secs, 10, 11, 12, 23, 24, Secs, 10, 11, 12, 23, 24, 4/4 Secs, 10, 11, 12, 20, 21, 21, 21, 21, 21, 21, 21, 21, 21, 21	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do, g. William St., N. J. M. Cooper, Boston and Det P. C. Blancan, 35 Wall St., N. G. E. Leffingwell, 162 Bywny, G. Hart, 11 Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 69 Wall St., N. Y. 4 F.
Copper Creek, Copper Falls, Copper Harbor, Copper Creek, Central, Corintal, Corintal, Copper Hill, Decotal, Delaware, Delaware,	1,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W, Keewer ah Potnt, \$15 Sec. 10, T. 58, R. 28, 320 \$15 Sec. 10, T. 58, R. 28, 320 \$15 Sec. 23, T. 58, N. R. 31, W, \$15 Sec. 23, T. 58, N. R. 31, W, J. Santhen, \$15 Sec. 23, T. 58, N. R. 31, W, J. Santhen, \$15 Sec. 23, T. 55, R. 34, Portage \$15 Sec. 35, T. 55, R. 36, Portage \$15 Sec. 35	ppson, Missouri, Mo. oston. 43 City Ex., Boston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. avy, 17 State St., Bu. ot Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston. 326 Walbut St., B'st'a. au, 35 Wall St., N. Y.	New Jersey Con. N. Y. & Passaic, New Devon, North Western, North Western, Ogema, Outonagon, Ont'n'g'n, Mass. Otisville, Penn. Manuf'g.	20,000 20,000 20,000 20,000 20,000 20,000 20,000	500.000 500.000 500.000 1,000,000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N R 31, Secs. 11, E2, T 40, N R 39, W and other lands, L300 A, WW4, Sec. 6, T 50, N R 33, W 63 I A Secs. 20, 21, 28, T 5 N R 33, W Rockland, Ottongen, Ottongen, Ulsville, Orange e9, N Y, 4/20 A Secs. 13, 14, 15, 2, 4/8 Sec. 10, 11, 12, 23, 25, 58, N R 30, W, W3 Sec. 25 T, 55, N R 34, W	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do., do., do., do., do., do., do., d
Copper Creek, Copper Harbor, Copper Harbor, Copper Creek, Central, Corniwall, Cordinental, Copper Hill, Dacotalh, Delaware, Derlaws, Dorchester, Donglas,	1,000 20,000 20,000 20,000 20,000 20,000 20,000	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W, Keewer ah Potnt, \$15 Sec. 10, T. 58, R. 28, 320 \$15 Sec. 10, T. 58, R. 28, 320 \$15 Sec. 23, T. 58, N. R. 31, W, \$15 Sec. 23, T. 58, N. R. 31, W, J. Santhen, \$15 Sec. 23, T. 58, N. R. 31, W, J. Santhen, \$15 Sec. 25, T. 55, R. 34, Portage Lake, \$15 Sec. 25, T. 55, R. 34, Portage Lake, \$15 May. \$15 May. \$17 May. \$18 May. \$25 J. Elva Sec. 23, T. 55, R. 3, \$25 J. Elva Sec. 25, T. 55, R. 3, \$25 J. Elva Sec. 25, T. 55, R. 3, \$25 J. Elva Sec. 25, T. 55, R. 3, \$25 J. Elva Sec. 25, T. 55, R. 3, \$25 J. Elva Sec. 25, T. 55, R. 3, \$25 J. Elva Sec. 25, T. 55, R. 3, \$25 J. Elva Sec. 25, T. 55, R. 3,	ppson, Missouri, Mo. oston. .43 City Ex., Boston. on, 73 Brondway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Bu. 50 Ex. Pl., N. Y. eland, 191 B way, N. Y. er. Milk St., Boston. 320 Wahut St., B'st'a. at., 35 Wall St., N. Y. ty Ex., Boston. ds. William St., N. Y.	New Jersey Con. N. Y. & Passaic, New Devon, North Western, Norwich, Ogema, Outonagon, Ont'n'g'n, Mass. Ottsville, Penn. Manuf'g. Pewahic, Pitts. & Boston.	20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	500.000 500.000 500.000 1,000,000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N.R. 31, Secs. 11, E2, T 40, N.R. 39, W and other lands, L300 A. WW4, Sec. 6, T 50, N.R. 33, W 63 I A Secs. 20, 21, 28, T 5 N.R. 33, W. Rockland, Ottomgen, Oitsomgen, Ussylle, Orange e9, N.Y. 4 320 A Secs. 13, 14, 15, 2 4 5 Sec. 10, 11, 12, 23, 25, 58, N.R. 39, W. W3 Sec. 25 T, 55, N.R. 34, V TS, 58, 57, N.R. 31, 32, V T2, 495, 57, N.R. 31, 32, V	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do, g., do, g., which was an extensive to the property of the
Copper Creek, Copper Falls, Copper Harbor, Copper Creek, Central, Corniwall, Cornitental, Gorintin, Declaware, Derby, Dorchester, Donglas, Dudley, Eagle Rivey,	1,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W, Keewer ah Potnt, \$1\frac{4}{5}\text{ Sec. 10, T. 58}, R. 28, 320 \$100,000 Douglas co., Wisconsin, \$1\text{ Sec. 20, T. 58}, N. R. 31, W, \$1\text{ Sec. 20, T. 58}, N. R. 31, W, \$1\text{ Sec. 20, T. 58}, N. R. 31, W, \$1\text{ Sec. 20, T. 58}, N. R. 31, W, \$1 Misconsin, Sec. 35, T. 55, R. 34, Portage Lake, \$1\text{ Sec. 30, T. 55, R. 34, Portage Lake, \$2\text{ Misconsin, Sec. 38, Portage Lake, \$2\text{ Misconsin, Sec. 38, Portage Lake, \$2\text{ Misconsin, Sec. 38, Portage Lake, \$3\text{ Misconsin, Sec. 38, Portage Lake, \$3\text	pson, Missouri, Mo. oston. .43 City Ex., Boston. on, 73 Brondway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Br. 50 Ex., Pl., N. Y. eland, 191 B way, N. Y. er. Milk St., Boston. 320 Walnut St., B'st'a. at., 35 Wall St., N. Y. ty Ex., Boston. ds. William St., N. Y. 431, City Ex., Boston. 70 State St., Boston. 70 State St., Boston.	New Jersey Con. N. Y. & Passaic, New Dovon, North Western, Norwich, Ogema, Outonagon, Ont'n'g'n, Mass. Otisville, Penn. Manuf'g. Pewahic, Pitts. & Boston. Pontiac, Portage Lake,	100,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	500,000 500,000 500,000 500,000 1,000,000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N.R. 31, Secs. 11, E2, T 40, N.R. 39, W and other lands, L300 A., WW4, Sec. 6, T 50, N.R. 33, W 63 I A Secs. 20, 21, 28, T 5 N.R. 33, W. Rockland, Ottomgen, Oitsville, Orange e9, N.Y., 4/220 A Secs. 13, 14, 15, 2, 4/5 Sec. 10, 11, 12, 23, 25, 58, N.R. 39, W, W3 Sec. 25 T, 55, N.R. 34, V TS, 58, 57, N.R. 31, 32, V 12, 495 A, SE; Sec. 13, T, 55, N. S, 31, SE; Sec. 13, T, 55, N. S, 31,	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do., do., and D. G. I. William St., N. P. C. Blancan, 35 Wall St., N. G. E. Leilingwell, 162 B'way, G. Hart, H. Pine Street, N. Y. William D. Williams, Michiga C. Windson, 65 Wall St., N. Y. S. M. Ray, 326 Walnut, St., N. Y. C. Finery, 35 State, Boston, W. H. A. Johnston, Pittsburgh, C. C. Emery, Kilbey St., Beston, 22 William St., N. Y. William St., N. Y.
copper Creek, Copper Falls, Copper Harbor, Copper Creek, Central, Cornwall, Cornwall, Cornwall, Cornwall, Declaware, Hill, Docotah, Declaware, Horby, Longlas, Dudley, Eagle Rivey, Ely,	1,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W. Keewer ah Potnt, \$1\(\) \(\) \(\)	pson, Missouri, Mo. oston. 41. City Ex., Poston. 51. Tyler, Poston. 52. Nassan, N. Y. 53. Ex. Pl., N. Y. 54. Eland, 191 B'way, N. Y. 55. Missouri, S. H. 56. William, S. H. 57. Wilk St., Boston. 58. William, S. M. 58. Will St., N. Y. 59. K., Boston. 68. William, S. N. Y. 43. City Ex., Boston. 69. K. J. 60. State St., Boston.	New Jersey Con. N. Y. & Passaic, New Dovon, North Western, Norwich, Ogema, Outonagon, Ont'n'g'n, Mass. Ottsville, Penn. Manuf'g., Petts. & Boston. Poottac, Portage Lake, Prescott, Providence,	100,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 100,000 100,000	1,000,000 500,000 500,000 500,000 1,000,000	New Jersey, Harrison, Bergen e., W1/ Soes, 24 25, 26, E1/4 See, 26, 35 T 58 N R 31, Sees, 11 L2 T 40, N R 39, W and other lands, L300 A., WW4, See, 6 T 50, N R 33, W 63 I A Sees, 20, 21, 28, T 5 N R 39, W Rockland, Ottonagen, Oitsville, Orange e9, N Y, 4 329 A Sees, 13, 14, 15, 2 4 Sees, 10, 11, 12, 23, 25, 58, N R 39, W, W3 See, 25 T 55, N R 34, W TS 58, 57, N R 31, 32, W TS 48, 12, 12, 13, 13, 14, 15, 2 1, 245 A, SPJ, See, 13 T, 55, N, S, 31, W Hongthon co, Michigan, Control Arizona, 240 A in Kewsenalte e, NW	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do, do, I. William St., N. J. M. Cooper, Boston and Det. P. C. Blancan, 35 Wall St., N. G. E. Leffingwell, 162 B'way, G. Hart, 11 Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 69 Wall St., N. Y. J. M. Pay, 326 Walpart St., N. Y. J. M. Pay, 326 Walpart St., N. W. H. A. Johnston, Pittsburgh, C. Chuery, Kilbey St., Beston, 22 William St., N. Y. 69 Broadway, N. Y.
copper Creek, Copper Falls, Copper Harbor, Copper Creek, Central, Cornwall, Cornwall, Cornwall, Cornwall, Declaware, Hill, Docotah, Declaware, Horby, Horby, Eagle River, Ely, Empire,	1,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 100,000	\$100,000 Missourt, See. 14. T. 58, N. R. 31, W. Keewer ah Potnt, \$1\(\) \(\) \(\)	pson, Missouri, Mo. oston. 43 City Ex., Poston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. osy, 17 State St., Bu. 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston. 32 Wahnut St., B'st'a. au, 35 Wall St., N. Y. ty Ex., Boston. cfs, William St., N. Y. 43, City Ex., Boston. ch), 82 B'way, N. Y. illin, 423 Walnut, Phil.	New Jersey Con. N. Y. & Passaic, New Dovon, N. Y. & Passaic, New Dovon, North Western, Ogema, Outonagon, Ont'n'g'n, Mass. Otisville, Penn. Manuf'g. Pewahic, Pittis, & Boston. Pontiac, Portage Lake, Prescott, Providence,	100,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	1,000,000 500,000 500,000 500,000 1,000,000 500,000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N.R. 31, Secs. 11, E2, T 40, N.R. 39, W. and other lands, L300 A. WW4, Sec. 6, T 50, N.R. 33, W. 63 I A. Secs. 20, 21, 28, T 5 N.R. 33, W. Rockland, Ontongen, Ontongen, Ontongen, Ulsylle, Orange e9, N.Y. 4 320 A. Secs. 13, 14, 15, 2, 4 5 Sec. 10, 11, 12, 23, 25, 58, N.R. 39, W. W3, Sec. 25 T, 55, N.R. 34, V. Ts. 58, 57, N.R. 31, 32, V. 12, 495 A. Sel', Sec. 13, T, 55, N.S. 31, V. Houghton co. Michigan, Central Arizona, 240 A. in Kewsenath co., NW Sec. 10, W1/2, NW4/4 Sec. 1 T, 57, R. 32, W. T, 57, R.2, W.	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do., do., do., do., do., do., do., d
copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Harbor, Cornwall, Cornidental, Cornidental, Cornidental, Cornidental, Dacotah, Delaware, Derby, Dorchester, Donclas, Dadley, Eagle River, Ely, Eureka, Evergreen Bluff.	1,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W, Keewer alb Point, \$1\frac{4}{5}\text{ Sec. 10}, T. 58, R. 28, 320 \$100,000 Douglas co., Wisconsin, \$1\frac{4}{5}\text{ Sec. 23}, T. 58, N. R. 31, W, \$1\frac{4}{5}\text{ Sec. 23}, T. 58, N. R. 31, W, \$1\frac{4}{5}\text{ Sec. 23}, T. 58, N. R. 31, W, \$1\frac{4}{5}\text{ Sec. 23}, T. 58, N. R. 31, W, J. Santhen, \$1\frac{4}{5}\text{ Sec. 30}, T. 55, R. 34, Portage \$1\frac{4}{5}\text{ Lake}, \$2\frac{4}{5}\text{ Sec. 23}, T. 55, R. 34, Portage \$2\frac{4}{5}\text{ Miry}, \$2\frac{4}{5}\text{ Sec. 30}, T. 55, R. 3, \$2\frac{4}{5}\text{ Sec. 30}, T. 55, R. 3, \$2\frac{4}{5}\text{ Miry}, \$2\frac{4}{5	pson, Missouri, Mo. oston. . 43 City Ex., Poston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Br., 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston, 320 Walnut St., B'st'n, an, 35 Wall St., N. Y. ty Ex., Boston, cfs, William St., N. Y. 43, City Ex., Boston, ch), 82 B'way, N. Y. ellin, 423 Walnut, Phil. , 137 B'way, N. Y. en, 44 Ex. Pt., N. Y. en, 44 Ex. Pt., N. Y.	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Ogema, Outonagon, Ont'n'g'n, Mass. Otisville, Penn. Manuf'g. Pewahic, Pittis, & Boston. Pontiac, Portage Lake, Prescott, Providence, Phila. & Boston	100,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	1,000,000 500,000 500,000 500,000 1,000,000 500,000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N R 31, Secs. 11, E2, T 40, N R 39, W and other lands, L300 A, WW4, Sec. 6, T 50, N R 33, W 63 I A Secs. 20, 21, 28, T 5 N R 33, W Rockland, Ottomgen, Oitsville, Orange e9, N Y, 4320 A Secs. 13, 14, 15, 24, 45 Secs. 10, 11, 12, 23, 25, 58, N R 39, W, W3 Sec. 25 T 55, N R 34, V T8 58, 57, N R 31, 32, V 12, 495 A, Sk1, Sec. 13 T, 55, N, S, 31, V Houghton co, Michigan, Central Arizona, 240 A in Kewsenath co, NW Sec. 10, W1/8, NW4/4 Sec. 1 T, 57, R, 32, W, 440 A Sec. 14, T, 58, N, 450 M, Sec. 14, T, 58, N, 25W, Kewsenath co, Mich 26W, Kewsenath co, Mich 26W, Kewsenath co, Mich 278, W, Kewsenath co, Mich 28W, Kewsenath co, Mich	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do, do, I. William St., N. J. M. Cooper, Boston and Det P. C. Blancan, 35 Wall St., N. G. E. Leffingwell, 162 B'way, G. Hart, H Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 65 Wall St., N. Y. J. M. Ray, 326 Wabeat St., N. Y. J. W. Davy, 30 State, Boston, H. A. Johnston, Pittsburgh, C. Chuery, Kilbey St., Beston, 22 William St., N. Y. J. W. Pavys, 21 Nassau St., N. J. W. Pavys, 21 Nassau St., N. J. S. McMullin, 423 Walnut Boston,
Copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Creek, Contral, Cornwall, Cornwall, Cornwall, Cornwall, Declaware, Hill, Docotah, Declaware, Horby, Edgle River, Ely, Empire, Eureka, Evergreen Bluff, Fint Steel R.	1,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W, Keewer alb Point, \$1\frac{4}{5}\text{ Sec. 10}, T. 58, R. 28, 320 \$100,000 Douglas co., Wisconsin, \$1\frac{4}{5}\text{ Sec. 23}, T. 58, N. R. 31, W, \$1\frac{4}{5}\text{ Sec. 23}, T. 58, N. R. 31, W, \$1\frac{4}{5}\text{ Sec. 23}, T. 58, N. R. 31, W, \$1\frac{4}{5}\text{ Sec. 23}, T. 58, N. R. 31, W, J. Santhen, \$1\frac{4}{5}\text{ Sec. 30}, T. 55, R. 34, Portage \$1\frac{4}{5}\text{ Lake}, \$2\frac{4}{5}\text{ Sec. 23}, T. 55, R. 34, Portage \$2\frac{4}{5}\text{ Miry}, \$2\frac{4}{5}\text{ Sec. 30}, T. 55, R. 3, \$2\frac{4}{5}\text{ Sec. 30}, T. 55, R. 3, \$2\frac{4}{5}\text{ Miry}, \$2\frac{4}{5	pson, Missouri, Mo. oston. . 43 City Ex., Poston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Br., 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston, 320 Walnut St., B'st'n, an, 35 Wall St., N. Y. ty Ex., Boston, cfs, William St., N. Y. 43, City Ex., Boston, ch), 82 B'way, N. Y. ellin, 423 Walnut, Phil. , 137 B'way, N. Y. en, 44 Ex. Pt., N. Y. en, 44 Ex. Pt., N. Y.	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Ogema, Outonagon, Ont'n'g'n, Mass. Otisville, Penn. Manuf'g. Penn. Manuf'g. Pewahic, Pitts. & Boston. Pontiac, Portage Lake, Prescott, Providence, Phila. & Boston Quincy, Republic,	100,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	1,000,000 500.000 500.000 500.000 1,000.000 500.000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N R 31, Secs. 11, E2 T 40, N R 39, W and other lands, L300 A, WW4, Sec. 6, T 50, N R 33, W 63 I A Secs. 20, 21, 28, T 5 N R 33, W Rockland, Ottongen, Oitsville, Orange e9, N Y, 4320 A Secs. 13, 14, 15, 2 4/4 Secs. 10, 11, 12, 23, 25, 58, N R 39, W, W3 Sec. 25 T, 55, N R 34, W 12, 405, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. D. H. Belt, Jo., do., do., do., do., do., do., do., d
Copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Creek, Contral, Cornwall, Cornital, Gorinth, Copper Hill, Daccotal, Belaware, Berby, Belaware, Borchester, Bondles, Bagle River, Ely, Empire, Eureka, Eureka, Evergreen Bluff Fint steel R., Forest City,	1,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 100,000 20,000 1, 20,000 1, 20,000	\$100,000 Missourt, Sec. 14. T. 58, N. R. 31, W. Keewer alb Point, \$1\(\) \{ \) \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \} \{ \) \{ \) \{ \) \} \{ \) \{ \) \{ \) \} \{ \) \{ \) \{ \) \} \{ \) \{ \) \{ \) \} \{ \) \{ \) \{ \) \} \{ \) \{ \) \{ \) \{ \) \} \{ \) \{ \) \{ \) \{ \) \} \{ \) \{ \) \{ \) \{ \) \{ \) \{ \) \{ \) \} \{ \) \{ \\ \} \{ \) \{ \) \{ \\ \} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	apson, Missouri, Mo. oston. 43 City Ex., Poston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Bu. 50 Ex., Pl., N. Y. eland, 191 B'way, N. Y. or, Milk St., Boston. 232 Walbut St., B'st'n. an, 35 Will St., N. Y. lty Ex., Boston. rds, William St., N. Y. 43, City Ex., Boston. rds, William St., N. Y. 43, City Ex., Boston. rds, William, Phil. 137 B'way, N. Y. 141, 147 B'way, N. Y.	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Ogema, Outonagen, Ont'n'g'n, Mass. Otisville, Penn. Manuf'g. Pewahic, Pettis. & Boston. Pontiac, Portige Lake, Prescott, Providence, Phila. & Boston Quincy, Republic, Reliance,	100,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	1,000,000 500,000 500,000 1,000,000 500,000 200,000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N R 31, Secs. 11, E2, T 40, N R 39, W and other lands, L300 A, WW4, Sec. 6, T 50, N R 33, W 63 I A Secs. 20, 21, 28, T 5 N R 33, W Rockland, Ottomgen, Oitsville, Orange e9, N Y, 4320 A Secs. 13, 14, 15, 24, 45 Secs. 10, 11, 12, 23, 25, 58, N R 39, W, W3 Sec. 25 T 55, N R 34, V T8 58, 57, N R 31, 32, V 12, 495 A, Sk1, Sec. 13 T, 55, N, S, 31, V Houghton co, Michigan, Central Arizona, 240 A in Kewsenath co, NW Sec. 10, W1/8, NW4/4 Sec. 1 T, 57, R, 32, W, 440 A Sec. 14, T, 58, N, 450 M, Sec. 14, T, 58, N, 25W, Kewsenath co, Mich 26W, Kewsenath co, Mich 26W, Kewsenath co, Mich 278, W, Kewsenath co, Mich 28W, Kewsenath co, Mich	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do., do., do., do., do., do., do., d
Copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Creek, Central, Corniwall, Corniteatal, Corniteatal, Corniteatal, Dacotah, Delaware, Derby, Dorchester, Donclas, Dadley, Eagle River, Ely, Eurneka, Evergreen Bluff, Finnt Steel R., Forest City, Franklin, Franconia,	1,000 20,	\$100,000 Missourt,	pson, Missouri, Mo. oston. . 43 City Ex., Poston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Br., 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston, 320 Walnut St., B'st'n, an, 35 Wall St., N. Y. ty Ex., Boston, cfs, William St., N. Y. 43, City Ex., Boston, ch), 82 B'way, N. Y. ellin, 423 Walnut, Phil. , 137 B'way, N. Y. en, 44 Ex. Pt., N. Y. en, 44 Ex. Pt., N. Y.	New Jersey Con. N. Y. & Passaic, New Dovon, N. Y. & Passaic, New Dovon, North Western, Ogema, Outonagon, Ont'n'g'n, Mass. Otisville, Penn. Manuf'g. Pewahic, Pottiac, Portiac, Portiac, Portiac, Providence, Phila. & Boston Quiney, Repubble, Reliance, Rochester, Ridge,	100,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	1,000,000 500,000 500,000 1,000,000 1,000,000 200,000	New Jersey, Harrison, Bergen e., W1/5 Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N R 31, Secs. 11, E2, T 40, N R 39, W and other lands, L300 A, WW4, Sec. 6, T 50, N R 33, W 63 I A Secs. 20, 21, 28, T 5 N R 33, W Rockland, Ottongen, Oitsville, Orange e9, N Y, 4 320 A Secs. 13, 14, 15, 2 4 5 Secs. 10, 11, 12, 23, 25, 5 58, N R 39, W, W3 Sec. 25 T, 55, N R 34, W 12, 40, 12, 12, 13, 13, 14, 14, 14, 14, 14, 14, 14, 14, 14, 14	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. D. H. Belt, Jo., do, do, do, do, do, do, do, do, do, do
Copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Creek, Contral, Cornivall, Condimental, Gorintal, Gorintal, Gorintal, Gorintal, Delaware, Herby, Eagle River, Ely, Empire, Eureka, Eureka, Evergreen Bluff, Finnt steel R., Forest City, Franklin, Franconia, Franconia, Franconia, Franconia,	1,000 20,	\$100,000 Missourt,	opson, Missouri, Mo. oston. 43 City Ex., Boston. on, 73 Brordway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Bu. osey, 17 State St., Bu. osex, Pl., N. Y. eland, 191 B'way, N. Y. or, Milk St., Boston. 326 Walnut St., B'st'n. au, 35 Wall St., N. Y. dy, Ex., Boston. 70 State St., Boston. 70 State St., Boston. 70 State St., Boston. 50 State St., Boston. 10 State St., Boston. 11 St. Way, N. Y. 12 B'way, N. Y. 13 B'way, N. Y. 14 Hx., Pl., N. Y. 19 Phoenix Building. 26 Kilby St., Boston.	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Ogema, Outonagon, Ont'n'g'n, Mass. Ottsville, Penn. Manuf'g. Penn. Manuf'g. Pewahic, Pritis. & Boston. Poottage, Portage Lake, Prescott, Providence, Phila. & Boston Quincy, Republic, Reliance, Rochester, Ridge,	100,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000	1,000,000 500,000 500,000 1,000,000 1,000,000 200,000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N R 31, Secs. 11, E2 T 40, N R 39, W and other lands, L300 A, WW4, Sec. 6 T 50, N R 33, W 63 G 6 T 50, N R 33, W 63 G 7 S 8 W, Rockland, Ostonagen, Ostonagen, Ostonagen, Ostonagen, Usyrlic, Orange e9, N Y, 4320 A Secs. 13, 14, 15, 2, 4/4 Secs. 10, 11, 12, 23, 25, 58, N R 39, W, W3 Sec. 25 T 55, N R 34, W 12, 405 A, Sec. 13 T, 55, N, S, 31, W 12, 405 A, Sec. 13 T, 55, N, S, 31, W 14, Ostonagen, O	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do, do, I. William St., N. P. C. Blancan, 35 Wall St., N. G. E. Leffingwell, 162 B'way, J. G. Hart, H Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 65 Wall St., N. Y. F. M. Bay, 326 Wabrat St., N. Y. C. Emery, 30 State, Boston, J. William St., N. Y. G. Broadway, N. Y. J. W. Davis, 21 Nassau St., N. B. McMullin, 423 Walnut Boston, W. H. Smith, 54 Ex. Pl., N. H. Baldwin, 76 Wall St., N. Y. H. K. Thomas, 11 Wall St., N. J. A. Ferguson, S. Wall St., N. S. J. W. Barry, 12 Pine St., N. S. J. W. Barry, 12 Pine St., S.
Copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Creek, Contral, Cornivall, Condimental, Cornivall, Condimental, Cornivall, Copper Hill, Dacottal, Belaware, Berby, Eagle River, Ely, Empire, Eureka, Eureka, Evergreen Bluff, Finnt Steel R., Forest City, Franklin, Franconia, Franconi	1,000 20,000	W, in Oatonagou co, Mich. G. F. Riby Soc. 14, T. 58, N. R. 31, W, Keewer all Point,	pson, Missouri, Mo. oston. 43 City Ex., Poston. on, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. psoy, 17 State St., Bu. 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston. 326 Walnut St., Byth. an, 35 Wall St., N. Y. ity Ex., Boston. dis, William St., N. Y. 43, City Ex., Boston. chi, 82 B'way, N. Y. ullin, 423 Walnut, Phil. 137 B'way, N. Y. h, 44 Ex. Pl., N. Y. h, 44 Ex. Pl., N. Y. h, 45 Boilding, 26 Kilby St., Boston. 162 Follon St., N. Sy.	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Ogema, Outonagen, Ont'n'g'n, Mass. Otisville, Penn. Manuf'g. Penn. Manuf'g. Pewahic, Pottag. Portiag. Lake, Providence, Phila. & Boston Quiney, Republic, Reliance, Rochester, Ridge, Rockland, Resolute,	100,000 20,000	1,000,000 500,000 500,000 1,000,000 1,000,000 200,000 500,000	New Jersey, Harrison, Bergen e., W1/ Soes, 24 25 26, E1/4 See 26, 25 T 58 N.R. 31, Sees 11 12 T 40, N.R. 39, W and other lands, 1,300 A. 30, W4 (See 6, T 50, N.R. 39, W GH A Sees, 20, 21, 28 T, 5 N.R. 39, W. Rockland, Ontonagen, Ontonagen, Ontonagen, Ontonagen, Usylle, Orange eo. N. Y., 4,320 A Sees, 13, 14, 15, 2 1, Sees, 10, 11, 12, 23, 25, See, 18, N.R. 30, W 1/2, See, 25 T, 55, N.R. 34, W 1/2, See, 25 T, 55, N.R. 34, W 1/2, See, 13, T, 55, N.S. 31, V Honzhton eo, Micaigan, Control Arizona, 240 A, in Kewsenah eo., NW See, 10, W3, NW4, See, 1 T, 57, R, 32, W 340 A, See, 14, T, 58, N, 28, W, Kewsenaw eo, Mich ee, 26, T, 54, N.R. 34, W, Sees, 21, 22, 27, T, 58, N, 28, W, 10, 78, A. See, 35, T, 51, R, 38, W, See, 51, T, 50, R, 38, W, See, 51, T, 50, R, 38, W, See, 51, T, 50, R, 38, W, See, 51, T, 51, R, 38, W, See, 51, T, 51, R, 38, W, See, 51, T, 50, R, 38, W, See, 51, T, 50, R, 38, W, See, 51, T, 50, R, 38, W,	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do., do., do., do., do., do., do., d
Copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Creek, Contral, Cornivall, Condimental, Cornivall, Copper Hill, Dacotaln, Delaware, Berby, Dorchester, Longlas, Dudley, Eagle River, Ely, Empire, Eureka, Evergreen Bluff, Finnt Steel R, Forest City, Franklin, Franconia, Franconia, Franconia, Girard,	1,000 20,	W, in Oatonagou co., Mich. G. F. Riby Soc. 14, T. 58, N. R. 31, W, Keewer all Point,	oston. 43 City Ex. Boston. on. 73 Brordway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Bu. 50 Ex. Pl., N. Y. eland. 191 B'way, N. Y. er. Milk St., Boston. 326 Walaut St., B'st. au, 35 Wall St., N. Y. dy, Ex., Boston. 70 State St., Boston. 71 State St., Boston. 72 Walnut, Phil. 1437 B'way, N. Y. 73 B'way, N. Y. 74 Ex. Pt., N. Y. 74 Ex. Pt., N. Y. 75 Phoenix Building. 76 Kilby St., Boston. 76 Fulton St., N. Y. 72 Yassan St., N. Y. 72 Chicago.	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Og.ma. Ontonagon, Ontonagon, Onton'g'n, Mass. Ottsville, Penn. Manuf'g. Pewahic, Prits. & Boston Pontiac, Portage Lake, Pressoit, Providence, Phila. & Boston Quincy, Republic, Reliance, Rockester, Radge, Rockland, Resolute, St. Mary,	100,000 20,000	1,000,000 500,000 500,000 1,000,000 1,000,000 200,000 500,000	New Jersey, Harrison, Bergen e., W1/ Soes, 24 25 26, E1/4 Sec. 26, 25 T 58 N.R. 31, 28 11 12 T 40, N.R. 39, W, and other lands, 1300 A. WW4, Sec. 6 T 50, N.R. 23, W 631 A Secs. 20, 21, 28, T, 5 N.R. 39, W. Rockland, Ontonagen, Ontonagen, Ontonagen, Ontonagen, Usylle, Orange eo., N.Y., 4/20 A Secs. 13, 14, 15, 2, 15, Sec. 10, 11, 12, 23, 25, 58, N.R. 39, W, 23, 22, 23, 24, 12, 405 A, 12, 405 A, 12, 405 A, 12, 405 A, 13, 405 A, 14, 15, 15, 15, N.R. 34, W, 15, 15, 15, 15, 15, 15, 15, 15, 15, 15,	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jo., do, do, J. William St., N. J. M. Cooper, Boston and Det P. C. Blancan, 35 Wall St., N. G. E. Leffingwell, 162 B'way, J. G. Hart, H Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 65 Wall St., N. Y. J. M. Bay, 326 Wabeat St., N. Y. J. M. Bay, 326 Wabeat St., N. Y. J. W. Davis, 21 Nassau St., N. J. W. Davis, 21 Nassau St., N. J. W. Barry, 12 William St., N. Y. J. M. Baldwip, 76 Wall St., N. Y. H. Shidh, 76 Wall St., N. J. A. Ferguson, 8 Wall St., N. J. M. Barry, 12 Pine St., T. W. F. Beck, 45 Cdy Ex., Boston, E. B. Sutton, 64 & 66 B'way. E. B. Sutton, 64 & 66 B'way. E. B. Sutton, 64 & 66 B'way.
topper Creek, topper Falls, Copper Harbor, Copper Harbor, Copper Creek, Cornwall, Corn	1,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 20,000 60,000 60,000 20,000	W, in Oatonagou co., Mich. G. F. Riby Soc. 14, T. 58, N. R. 31, W, Keewer all Point, S4 Sec. 10, T. 58, R. 28, 320 Soc. 20, T. 58, N. R. 31, W, Seewer all Point, S4 Sec. 10, T. 58, R. 28, 320 Stoch on the Strafford, Orange co., Ver. Soc. 20, T. 58, N. R. 31, W, Santon, Sec. 25, T. 55, R. 34, Portage Lake, Soc. 25, T. 55, R. 34, Portage Lake, Soc. 20, T. 55, R. 34, Portage Lake, Soc. 20, T. 55, R. 3, Stoch on the Stoch of	oston. A3 City Ex. Boston. on. 73 Brordway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Bu. 50 Ex. Pl., N. Y. eland. 191 B'way, N. Y. er. Milk St., Boston. 326 Walnut St., B'st'n. au, 35 Wall St., N. Y. dy, Ex., Boston. 70 State St., Boston. 71 State St., Boston. 72 State St., Boston. 73 Phway, N. Y. m. 44 Ex. Pl., N. Y. m. 44 Ex. Pl., N. Y. m. 44 Ex. Pl., N. Y. m. 45 Ex. Boston. for Fulton St., N. Y. for Phoenix Building. 26 Kilby St., Boston. for Fulton St., N. Y. for Phoenix Building. 26 Kilby St., Boston. for Fulton St., N. Y. for Chicago. ses, 324 Walnut, Phil. ogg, 22 Pine St., N. Y.	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Og.ma., Ontonagon, Onton'g'n, Mass. Ottsville, Penn. Manuf'g. Pewahic, Prits. & Boston Pontiac, Portage Lake, Prescott, Providence, Phila. & Boston Quincy, Republic, Reliance, Rockland, Resolute, St. Mary, St. Margaret, Sharon,	100,000 20,000	1,000,000 500,000 500,000 1,000,000 1,000,000 200,000	New Jersey, Harrison, Bergen e., W1/ Socs. 24 25 26, E1/4 Sec. 26, 35 T 58 N R 31, Secs. 11, E2 T 40, N R 39, W and other lands, L300 A, WW4/ Sec. 6 T 50, N R 33, W 63 G T 50, N R 34, W 64 G T 50, N R 34, W 65 G T 50, N R 34, W 66 G T 50, N R 34, W 67 G T 50, N R 30, W 68 G T 50, N R 20, W Keweens 69 G T 50, N R 20, W Keweens 60 G Mich. 60 G T 50, N R 30, W 68 G T 50, R 34, W 68 G T 50, R 30, M 68 G T 50, R 34, W 68 G T 50, R 30, W 68 G T 50, R 30, W 68 G T 50, R 34, W 68 G T 50, R 30, G 60 G T 50, R 34, W 68 G T 50, R 30, G 60 G T 50, R 34, W 68 G T 50, R 30, G 60 G T 50, R 34, W 68 G T 50, R 34, W 68 G T 50, R 36, G T 50, R 34, W 68 G T 50, R 36, G T 50, R 34, W	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 25 William St., J. J. M. Cooper, Boston and Det P. C. Blancan, 35 Wall St., N. G. E. Leffingwell, 162 B'way, G. Hart, H. Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 65 Wall St., N. Y. J. M. Bay, 326 Wabrat St., N. Y. J. M. Bay, 326 Wabrat St., V. C. Emery, Kilbey St., Beston, J. William St., N. Y. J. W. Barry, 12 Nassau St., N. R. J. S. McMullin, 423 Walnut Boston, W. H. Smith, 54 Ex. Pl., N. H. Baldwin, 76 Wall St., N. J. A. Ferguson, S. Wall St., N. J. W. Barry, 12 Pine St., T. W. F. Beck, 45 City Ex., Boston, E. R. Sutton, 64 & 66 B'way, P. C. Blancan, 35 Wall St., S. J. E. Boston, 34 Wall St., S. J. E. Boston, 34 Wall St., S. J. E. Barands, 34 Wall St., S. J. E. Barands, 34 Wall St., S. J. E. Barands, 35 Wall St., S. J. E. Barands, 25 Why, St., J.
copper Creek, Copper Harbor, Copper Harbor, Copper Harbor, Copper Harbor, Copper Harbor, Copper Harbor, Cornwall, Cornwall, Cornwall, Cornwall, Dacotah, Dacotah, Dacotah, Dacotah, Dacotah, Dacketer, Donclass, Dadley, Eagle River, Ely, Euroka, Evergreen Bluff, Flint Steel R., Forest City, Franklin, Franconia, French Creek, Garden City, Girard, Gr'd Portage,	1,000 20,000	W, in Oatonagou co., Mich. G. F. Riby Soc. 14, T. 58, N. R. 31, W, Keewer all Point, S4 Sec. 10, T. 58, R. 28, 520 S500,000 Douglas es., Wisconsin, Soc. 25, T. 58, N. R. 31, W, Switzensin, Sec. 25, T. 58, N. R. 31, W, Switzensin, Sec. 25, T. 55, R. 34, Portage Lake, Soc. 30, T. 55, R. 3, Sintensin,	oston. 43 City Ex., Boston. on, 73 Brordway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Bu. 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston. 326 Walnut St., B'st'n. au, 35 Wall St., N. Y. dy, Ex., Boston. ds, William St., N. Y. 43, City Ex., Boston. 70 State St., Boston. 70 State St., Boston. 70 State St., Boston. 70 State St., Boston. 10 Phoenix Building. 11 B'way, N. Y. 12 H. Y. 13 B'way, N. Y. 14 Ex. Pl., N. Y. 19 Phoenix Building. 26 Kilby St., Boston. 162 Fulton St., N. Y. 17 Phoenix Building. 28 Kilby St., Boston. 182 Fulton St., N. Y. 19 Phoenix Building. 29 Kilby St., Boston. 19 Fulton St., N. Y. 19 Phoenix Building. 20 Kilby St., Boston. 19 Fulton St., N. Y. 19 Phoenix Building. 21 Walnut, Phil. 19 St., 21 Nassan St., N. Y. 19 Ctity Ex., B'st'n.	New Jersey Con. N. Y. & Passaic, N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, Norwheh, Og.ma, Ontonagon, Ontongen, Ontongen, Ontongen, Ontongen, Ontongen, Penn, Manuf'g. Pewahic, Prits. & Boston Pontiac, Portage Lake, Present, Providence, Phila. & Boston Quincy, Republic, Reilance, Rockland, Resolute, St. Mary St. Margaret, Sharon, Sheldon & Col., South Side,	100,000 20,000	1,000,000 500,000 500,000 1,000,000 1,000,000 200,000	New Jersey, Harrison, Bergen e., W1/ Soes, 24-25, 26, E1/4 See 36, 35-T-58, N.R. 31, 58-S, H. 12, T-40, N.R. 39, W and other lands, 1,300 A., WV, See 6, T-50, N.R. 39, W 361 A. Sees, 20, 21, 28, T-5 N.R. 39, W. Rockland, Ontonagen, Ontonagen, Ontonagen, Ontonagen, Ontonagen, Ontonagen, US-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 25 William St., J. J. M. Cooper, Boston and Det P. C. Blancan, 35 Wall St., N. G. E. Leffingwell, 162 B'way, G. Hart, H. Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 65 Wall St., N. Y. J. M. Bay, 326 Wabrat St., N. Y. J. M. Bay, 326 Wabrat St., V. C. Emery, Kilbey St., Beston, J. William St., N. Y. J. W. Barry, 12 Nassau St., N. R. J. S. McMullin, 423 Walnut Boston, W. H. Smith, 54 Ex. Pl., N. H. Baldwin, 76 Wall St., N. J. A. Ferguson, S. Wall St., N. J. W. Barry, 12 Pine St., T. W. F. Beck, 45 City Ex., Boston, E. R. Sutton, 64 & 66 B'way, P. C. Blancan, 35 Wall St., S. J. E. Boston, 34 Wall St., S. J. E. Boston, 34 Wall St., S. J. E. Barands, 34 Wall St., S. J. E. Barands, 34 Wall St., S. J. E. Barands, 35 Wall St., S. J. E. Barands, 25 Why, St., J.
Copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Harbor, Copper Harbor, Copper Harbor, Copper Hill, Dacotals, Corintal, Corintal, Corintal, Copper Hill, Dacotals, Declaware, Berby, Dorchester, Ponclas, Dadley, Eagle River, Ely, Empire, Eureka, Evergreen Bluff, Fint Steel R., Forest City, Franklin, Franchia, French Creek, Garden City, Girard, Gr'd Portage, Great Western, Hamilton,	1,000 20,000	\$100,000 Missourt,	oston. A3 City Ex. Boston. on. 73 Brordway, N. Y. Jr., 25 Nassan, N. Y. osey, 17 State St., Bu. 50 Ex. Pl., N. Y. eland. 191 B'way, N. Y. er. Milk St., Boston. 326 Walnut St., B'st'n. au, 35 Wall St., N. Y. dy, Ex., Boston. 70 State St., Boston. 71 State St., Boston. 72 State St., Boston. 73 Phway, N. Y. m. 44 Ex. Pl., N. Y. m. 44 Ex. Pl., N. Y. m. 44 Ex. Pl., N. Y. m. 45 Ex. Boston. for Fulton St., N. Y. for Phoenix Building. 26 Kilby St., Boston. for Fulton St., N. Y. for Phoenix Building. 26 Kilby St., Boston. for Fulton St., N. Y. for Chicago. ses, 324 Walnut, Phil. ogg, 22 Pine St., N. Y.	New Jersey Con. N. Y. & Passaic, N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, Norwheh, Og.ma, Ontonagon, Ontongen, Ontongen, Ontongen, Ontongen, Penn, Manuf'g. Pewahic, Prits. & Boston Pontiac, Portage Lake, Presentt, Providence, Phila. & Boston Quincy, Republic, Reliance, Rock land, Resolute, St. Mary, St. Margaret, Sharon, Sheldon & Col., South Side, Societe Fran'se Saffolk,	100,000 20,000	1,000,000 500,000 500,000 1,000,000 1,000,000 500,000	New Jersey, Harrison, Bergen e., W1/ Soes, 24-25, 26, E1/4 Sec. 33, 35-T-58, N.R. 31, 58es, 11-12, T-40, N.R. 39, W and other lands, 1,300 A., WW1/ Sec. 6, T-50, N.R. 39, W 36H-A Secs, 20, 21-28, T-5 N.R. 39, W. Rockland, Ontonagen, Ontonagen, Ontonagen, Ontonagen, Ontonagen, Ontonagen, US-A-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. T. H. Belt, Jr. 23 William St., J. P. C. Blancan, 35 Wall St., N. G. E. Leilingweil, 162 B'wny, J. G. E. Leilingweil, 162 B'wny, J. G. Hart, H Pine Street, N. Y. Williams, Michigan C. Windsor, 65 Wall St., N. Y. H. M. Leilingweil, 162 B'wny, J. C. Pinery, 35 State, Biston, J. C. Pinery, 35 State, Biston, J. W. L. Leilingweil, J. C. Einery, Kilbey St., Beston, 22 William St., N. Y. 10 Broadway, N. Y. 12 State, Biston, J. W. H. S. William St., N. Y. 13 State, Biston, J. W. H. S. William St., N. Y. 14 State, J. W. H. S. William St., N. Y. H. Baldwin, 70 Wall St., N. Y. H. Baldwin, 70 Wall St., N. Y. S. J. W. Barry, 12 Pine St., T. W. J. A. Ferguson, 8 Wall St., N. Y. S. J. Elwards, 22 Win, St., J. Elwards, 22 Win, St., J. W. Ston, Boston, Corpor Cobb, 22 William St., Corpor Carbo, 24 William St., Corpor Harbor, Carbo, Cobb, 22 William St., Corpor Carbo, Cobb, 22 William St., Carbo, Carb
copper Creek, Copper Falls, Copper Harbor, Copper Harbor, Copper Harbor, Copper Harbor, Copper Harbor, Copper Hill, Dacotals, Corintental, Corintental, Corintental, Corintental, Corintental, Corintental, Corintental, Corintental, Corintental, Copper Hill, Dacotals, Dandley, Eagle River, Ely, Eagle River, Ely, Eagle River, Ely, Empire, Eureka, Evergreen Bluff, Filmt steel R., Forest City, Franklin, Franch Creek, Gardeu City, Girard, Gr'd Portage, Great Western, Hamilton, Hancock,	1,000 20,000	\$100,000 Missourt,	oston. 43 City Ex., Boston. on, 73 Brordway, N. Y. Jr., 25 Nassan, N. Y. osy, 17 State St., Bin. 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. er, Milk St., Boston. 326 Walnut St., B'st'n. an, 35 Wall St., N. Y. dy, Ex., Boston. 70 State St., Boston. 70 Phoenix Building, 143 City Ex., Boston. 162 Fulton St., N. Y. 170 Phoenix Building, 171 B'way, N. Y. 171 Phoenix Building, 172 Fulton St., N. Y. 173 Phoenix Building, 173 Fulton St., N. Y. 174 City Ex., Boston. 175 Fulton St., N. Y.	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Ogema, Ontonagon, Onton'g'n, Mass. Ottsville, Penn. Manuf'g. Pewahic, Prits. & Boston Pontiac, Portage Lake, Pressort, Providence, Phila. & Boston Quincy, Republic, Reliance, Rockland, Resolute, St. Mary, St. Margaret, Sharon, Sheldon & Col., South Side, Societe Fran'se Suffolk, Superior, Totice Consol.,	100,000 2	1,000,000 500,000 500,000 1,000,000 1,000,000 500,000	New Jersey, Harrison, Bergen e., W1/ Soes, 24-25, 26, E1/4 Sec. 23, 25-T-58, N.R. 31, 28-8, H. 12, T-40, N.R. 39, W. and other lands, 1,300 A. W1/4 Soes, 20, 21, 28, T-5 N.R. 39, W. Rockland, Ontouagen, W1/4 Sec. 13, T-5, N.R. 31, W. 12, Sec. 10, H. 12, 23, 25, 158, N.R. 30, W. W1/4 Sec. 25, T-55, N.R. 34, W. W1/4 Sec. 25, T-55, N.R. 34, W. Sec. 30, T-55, N.S. 31, W. Sec. 31, T-55, N.S. 31, W. Sec. 31, T-55, N.S. 31, W. Sec. 31, W. Keweenaw, co., Mich. 28, W. Keweenaw, co., Mich. 28, W. 19, 788, N. Sec. 32, T-54, N.R. 34, W. Sec. 31, T-55, R. 38, W. Sec. 32, T-55, R. 38, W. Sec. 34, T. 55, R. 38, W. Sec. 35, T-51, R. 38, W. Sec. 36, R. 59, R. 39, 1, T-50, R. 30, 1, T-50, R. 34, W. Sec. 36, R. 36, T. 55, R. 34, W. T. 58, S9, N. R. 28, 30, W. W1/4, Sec. 14, T. 59, N. R. 39, Sec. 26, R. 50, R. 36, Sec. 25, 26, R. 50, R. 30, Sec. 25, 26, R. 50, R. 36, Sec. 25, 26, R. 50, R. 36, Sec. 25, 26, R. 50, R.	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., C. T. H. Belt, Jr. 23 William St., C. T. H. Belt, Jr. 23 William St., C. T. H. Belt, Jr. 25 William St., O. J. William St., O. J. W. Cooper, Boston and Det P. C. Blancan, 35 Wall St., N. G. E. Leilingweil, 162 Bivmy, J. G. Hart, H Pine Street, N. Y. William D. Williams, Michiga C. Windsor, 65 Wall St., N. J. J. M. Lay, 226 Wabrat St., J. C. Linery, 35 State, Biston, J. W. Lay, 226 Wabrat St., J. C. Enery, Kilbey St., Beston, 22 William St., N. Y. J. J. W. Brandway, N. Y. J. J. W. Barry, 12 Pine St., J. W. Borry, 12 Pine St., J. W. Borry, 12 Pine St., J. W. Welson, Boston
topper Creek, topper Falls, topper Harbor, topper Harbor, topper Harbor, topper Creek, topper Harbor, topper Hill, torintal, topper Hill, bacotal), topper Hill, bacotal), topper Hill, bacotal), torintal, torintal, torintal, torintal, topper Hill, bacotal, topper Hill, bacotal, topper Hill, bacotal, topper Hill, bacotal, topper Hill, topper Hill	1,0000 20,000	\$100,000 Missourt,	apson, Missouri, Mo. aston. 43 City Ex., Boston. an, 73 Broadway, N. Y. Jr., 25 Nassan, N. Y. asy, 17 State St., Bu. 50 Ex. Pl., N. Y. eland, 191 B'way, N. Y. eland, 191 B'w	New Jersey Con. N. Y. & Passaic, New Devon, N. Y. & Passaic, New Devon, North Western, Ogema, Outonagon, Penn. Manuf'g. Pewahic, Pritts. & Boston Pontiac, Portinge Lake, Presentt, Providence, Phila. & Boston Quincy, Republic, Rechauce, Rockland, Resolute, St. Mary, St. Margaret, Sharon, Sheldon & Col., South Side, Societe Fran'se Saffolk, Superior, Toftee Consol., Union, Ural,	100,000 20,000	1,000,000 500,000 500,000 1,000,000 1,000,000 500,000 1,000,000	New Jersey, Iharrison, Bergen e., W1/ Soes, 24-25, 26, E1/4 See 36, 35-T-58, N.R. 31, 58-S, 11, E1, T-40, N.R. 39, W and other lands, 1,300 A., WW1/See 6, T-50, N.R. 39, W 361 A. Sees, 20, 21, 28, T-5 N.R. 39, W. Rockland, Ontonagen, Ontonage	W Bowes, 17 William St., N. T. H. Belt, Jr. 23 William St., C. T. H. Belt, Jr. 23 William St., C. T. H. Belt, Jo. do. of 17 William St., O. of 18 William St., N. Y. J. M. Cooper, Boston and Det P. C. Blancan, 35 Wall St., N. G. E. Leilingweil, 162 B'wny, O. of Hart, 11 Pine Street, N. Y. Williams, Michigan D. Williams, Michigan C. Windson, 69 Wall St., N. Y. S. M. Bay, 226 Walbart St., N. Y. C. Linery, 30 State, Biston, G. C. Linery, 30 State, Biston, G. C. Linery, Kilbey St., Boston, 22 William St., N. Y. S. M. Bay, 21 Nassau St., Y. G. Broadway, N. Y. J. S. M. S. M. Pavis, 21 Nassau St., Y. G. Broadway, N. Y. H. S. McMillin, 423 Walnut Boston, W. H. Shith, 51 Ex. Pl., N. H. Bidwig, 70 Wall St., N. Y. S. J. W. Barry, 12 Pine St., T. W. S. J. Elwards, 22 Win, St., J. Elwards, 22 Win, St., J. H. W. Nelson, Boston, Copper Harbor, Carlos Cobb, 22 William St., N. Y. S. K. Ellogg, 22 Pine St., N. W. William St., N. Y. William St., N. Y. H. W. Nelson, Boston, A. S. Kellogg, 22 Pine St., N. W. Will W. M. St., M. William St., N. Y. William St., N. William St., N. William St., N. William St., N. William St.
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NITRO-GLYCERINE EXPERIMENTS

Mr. Nobel is giving his attention to the best method of rendering nitro-glycerine innocuous, when stored or in transit. He states that by mixing this powerful agent with methylic alcohol (a cheap spirit popularly known as spirit-of-wood) the nitro-glycerine is rendered unexplosive, either by percussion or heat. When required for use, water is added, which absorbs the spirit, and the oil sinks to the bottom of the vessel, whence it is drawn by a syphon and its explosive nature therenpon found to be restored. Experiments for testing the value of this discovery were made on the 5th inst. in this city, which are said to have been very satisfactory. Its formidable power has also been tested lately in California, both in San Francisco and on the Central Pacific Railroad. In these experiments the downward power of the charge was forcibly developed. From the numerous trials made, we should judge that nitro-glycerine may be safely prepared and used by practiced hands, as, for instance, by Mr. Nobel; but, until the causes of the late accidents are more orado ores,

fully known, the public will not be satisfied that its general use is unattended by danger. For instance, a Mr. S. P. Ely, of Marquette, Michigan, states that he had prepared nitro-glycerine for blasting, and from some unexplained cause the substance exploded in his office; moreover, that on a second trial he met with similar bad success. Mr. Nobel is reported to say that the material of which nitro-glycerine is composed, will not generate heat of themselves We presume, therefore, that they will not decom-Mr. Ely says that nitro-glycerine can only be prepared at a low temperature, and violently decomposes with an increased temperature, and consequently generates heat. We look upon the subject as one of the greatest importance to miners, and shall be glad if the new discovery enables us to transport nitro-glycerine, at least as safely as blasting powder, while we believe that it has already been proved much more efficacious.

"PULVERIZED" TURPENTINE AS A FUEL.

Among the latest adaptations of heat-producing substances to the furtherance of industrial art, is that of "pulverized" turpentine. Captain Shpacovski. Professor at the Paul Military School, St. Petersburg, recently exhibited experiments upon this substance at the Old Admiralty. By an apparatus which he called a pulveriser, he caused every particle of the fluid to burn. The flame from his apparatus was enormous, reaching two feet in height, and rushing through the burner with a noise similar to that of steam escaping from a pipe. The temperature is equal to that of molten steel-1,040 deg. Reaumur. After melting wire, copper, etc., and showing how it was adapted to carbonizing wood for ship-building to the depth of only 1-120 of an inch, proceeded to describe his steamboats. model experimented with-24 feet in length-was propelled at the rate of six knots per hour by an engine of two-horse power, heated by four pulverizers, consuming 3 lb. turpentine per horse-power per hour. He expects to reduce this consumption to 11 lb. or 2lb. per horse-power, and has orders for twenty similar boats to be used for passenger traffic on the canals. The new fuel is more expensive than coal, but Captain Shpacoviski claims that this will be more than compensated for by the smaller quantity used. Steam can be got up with it in ten minutes, and the fire can be extinguished immediately when not required.

COLORADO MINING INTERESTS.

In another column we give the report of the Treasurer of the Bullion Consolidated Mining Co. This report is a most unprecedently favorable one, showing a gain, in six months, of \$225,000 in cash, and stock in another company, of which the market value is \$50,000. This gives, exclusive of the stock interest, seventy-five per cent. surplus for dividends. Mr. Whiting, who superintends the company's affairs in Colorado, is a man of unquestioned integrity, and the possessor of vast and immensely valuable mining property, and, with ordinary management, we do not see why this company, founded upon his property, can fail to be a very successful one. The object of this company, in view of the extent of its mining property, is to make sales of portions of its mining lodes to those who will make bona fide improvements, and thereby improve and make valuable the balance belonging to the company. Most liberal inducements are held forth to those desiring to invest in mining, by which all the cash contributed may be expended in actual mining, and the Bullion Consolidated Mining Co. to be paid only in case of successful mining, by a per centage of results. We would advise those interested in Colorado mining affairs to call at the office of the Bullion Consolidated Mining Co., 37 Broad street, and examine the very extensive cabinets of Col-

THE UNION PACIFIC RAILROAD SURVEY.

The American Bureau of Mines, under an engagement with the Union Pacific Railroad to make a geological and agricultural survey of the lands acquired from the government, has delegated Prof. Egleston, of its Board of Experts, to conduct the field-work for a section of 100 miles. This gentleman, with a corps of assistants, took his departure for Omaha on Monday. The results of the survey will be reported this summer by the Bureau of Mines. The Union Pacific Railroad has taken a wise course in thus submitting to investigation, at the outset, the economical conditions of its lands, whether mineral or agricultural, instead of leaving their development to chance or mistaken energy. The first one hundred miles of the line pass through the Platte Valley-a beautiful section of prairie country, whose agricultural, if not mineral resources, this survey will bring out. It is said to be policy of this railroad company to induce immigration. The reports of the Bureau of Mines will be published in German, French, and English.

MINING MACHINERY.

The report of the meeting of the Miners' Association, of Devon and Cornwall, England, which we have been looking over, shows the obvious advantages which the modern appliances of machinery afford to miners. In England a prejudice exists among the miners themselves, against boring machines and new mechanical appliances generally. Capitalists, however, are beginning to find out the great savings which may be effected by machinery. It was stated at the meeting, and it is undoubtedly true, that no business conducted with so much waste of time and money, as mining there is conducted, could possibly pay. Here these prejudices against new inventions do not exist, and all miners would gladly use new appliances if they could make sure of the merits of the respective machines. We shall be glad to forward the interests of miners by publishing the results of actual working trials of machinery likely to be useful in mining operations.

SULPHATE OF IRON'AS A DISINFECTOR.

Now that the cholera has actually made its appearance in this city, the following from recent correspondence in the London Chemical News will prove apropos:

prove apropos:

Great attention is paid, and with reason, in this country, (England.) in Holland, and in Belgium, to the disinfection of stalls and of the excrements of animals of the bovine race, infected with typhus, in order to arrest the ravages of this terribly contagious malady. The use of phosphoric acid, which is proposed for this purpose, is rational, in that it curiches the manure, but not if you consider the expense, the difficulty of transport, and the many precautions necessary in handling it. Sulphate of iron, on the contrary, is of insignificant value, (say, a farthing per pound), economical, and casy of employment, and having great effect mpon all animal matters, would completely purify the infected places and the manures of animals suffering from typhus. It does not injure the manure, but conserves its most energetic parts by converting the carbonate of ammonia into sulphate of ammonia, a fixed salt, which is easily appropriated by the plants. It was in 1845 that Mr. Schattermann, director of the mines of Bouxwiller, Departement du Bas-Rhin, proposed the disinfection of fecal matters and of manures by means of sulphate of iron, and since then this salt has been generally employed in France for these purposes, as well as to purify the slaughter-houses, ditches, and all places where noxious emanations arise. Its use is very simple. Dissolved, it gives a very acid liquid, that can be handled without danger, and which penetrates everywhere when used to wash the infected places or to mix with the manures. When the cholera was at Marseilles, great quantities of sulphate of iron were used, not only in France, but also in Switzerland and in Germany, to disinfect closets, slanghter-houses, and all places spring off noxious emanations, and with perfectly satisfactory results.

Exempting Petroleum.

It seems now to be a settled fact that crude petrolenm is to be exempt from tax or duty. The Committee on Ways and Means reported a joint resolution to that effect, which was considered by the House and passed.

MINING STATISTICS.

NUMBER ONE.

NOVA SCOTIA GOLD.

[Written by Dr. R. P. Stevens, for the Journal of Mining.]

The question is so often asked in financial circles "Does mining pay?" or quite as often put in another form, "Mining does not pay," that any reliable statisties upon this subject are to be received with pleasure and satisfaction.

The report of the Chief Commissioner of Mines of Nova Scotia, the Hon. P. S. Hamilton, for the year 1865, is before me, and is eminently satisfactory.

Lgive a few extracts from it. There are in the Province nine prominent districts, and some unproclaimed. From the whole the total amount of gold raised was 4867 oz., 05 dwts., 22 grs. The average yield per ton of quartz was 1 oz., 21 grs. The highest yield per ton was from Stormont district-1 oz., 15 dwts., 15 grs. Stormont, Sherbrooke, Montague and Waverly averaged over 11 oz. per ton. Mine Harbor, Tangier, Oldham and Renfrew averaged nearly 3-4ths of an oz. The number of mines worked was 93; average number of men employed, 692. Amount of quartz crushed was 23,835 tons—average per man, 34 tons. The average yield per man employed was \$664-80. This amount of value of earnings per man would not pay in our western territories, where wages range from \$5 to \$15 per day; but could pay in Nova Scotia, where men can be hired from 75c. to \$1 per day. and the best of miners for \$1 25. Say the average price per man is \$1 per day, the yield per day has been \$2 13, or \$1 13 profit on each man's work. From this amount should be deducted interest account and loss from deterioration of mine and machinery, whatever there may be, and still there is a handsome margin for nett profit. The highest yield of quartz was from Mine Harbor, 16 oz., 10 dwts; the next highest from Oldham, 10 oz., 17 dwts. The highest average yield per man was at Mine Harbor, the next Waverly, and the third at Sherbrooke. There is another quite as interesting view of the Nova Scotia mines, and this is their increasing prosperity.

Gold mining, from these statistics, looks (at least in this Province) like a steady and successful business, yielding a handsome remuneration to labor, and profit to actual capital employed.

MINING COMPANY STATEMENTS.

BULLION CONSOLIDATED MINING COMPANY, OF COLORADO CAPITAL STOCK \$300,000; INCORPORATED UNDER THE LAWS OF

Billion Consoldated Minko Company, of Colorabo Capital Stock \$300,000; Incorrorated explain the Laws of Massichiverts. From the Treasher's report to the stockholders, we abstract the following: "Since the organization of the Company in October, 1805, in addition to the \$100,000 cash working capital paid in during the month of October, \$225,000 has been paid into the Treashery derived from sales of property belonging to the Com-pany, also 25,000 shares of the capital stock of the heas Silver Mining Company of Colorado (a company organized mader the laws of Massachusetts, with \$75,000 cash working capital in its treashery.) This amount of stock was received in payment for property released, which constitues a portion of the mining pro-perty of that Company. This stock is valued, at the present time, at \$2 pear share, and has great prospective value. RECAFFILLATION.

RECAPTULATION	\$100,000
Cash working capital of the Company	\$25,000
Cash delivered from sales	225,000
25,000 shares of the Incas S. M. Co., val. p. sh. \$2	50,000

BROAD TOP COAL AND IRON COMPANY, 119 BIGGDWAY, NEW

York.

The prospectus states that this property is situate at Coalmont, in the Broad Top Coal Field, Pennsylvania, and consists of 3,000 acres coal and iron land in one body, with the railway running through it. A deep ravine penetrates the central portion of the property, giving free drainage and wonderful lacilities for the economical working of the coal. There are six heds of coal underlying

the estate, of 5, 9, 3, 7, 3½ and 3½ feet thickness respectively. The coal, especially that of the lower beds, is of the fluest The coal, especially that of the lower beds, is of the finest quality, unsurpassed for forge fires; and as a steam generator, is remarkably free from sulphur, so that it can be used in blast furnaces without coking. The second lowest bed alone contains, by estimate, 14,520 to as per acre, or a total of forty millions of tons. This bed is accompanied with is k feet of iron ore, which, being so closely connected with the coal, causes the value of each to be vastly increased. It is sixty five miles nearer to New York than the Cumberland mines, and can be delivered in Thila-delphia at a cost of \$4.25 per ton, and to New York at \$5.25 per ton.

MADEON SHAW MINING COBIANY OF AEVADA (*) OGASAZION TNERS NEW YORK STATE LAWS; CASI CAPTAL STOCK, 30,000 SOARS; PAR VALUE \$100 EACH. The mines of this Company, says the prospectus, are located in the "Mountain Wells" District. Churchill County, Nevada, and culbrace the following ledges: Masison ledge, 1,200 inear feet; Aleyon ledge, 1,200 feet and the Indiana ledge, 1,200 feet. An analysis of specimens of ore from the Indiana and Aleyon lodes was made, with the following results: Indiana ledge, \$582.80 per too; Al-you ledge, \$982.80 per too; Al-you ledge, \$982.80 per too; Company's office, 71 Broadway, New York.

MARKET REVIEW.

The price of Gold to day reached 129%; closing at 128%. The loan market continues easy, the difficulty being to procure borrowers on safe terms; 4 and even 3 per cent, are, in some cases. accepted by lenders. Commercial paper is unchanged with but

little demand.

Foreign exchange is steady. Bills on London at 60 days 108\frac{3}{2}
6(109)\frac{1}{3}; for Commercial 1600\frac{1}{3}6(109)\frac{3}{3}; for Panker's at short
sight, 1100\frac{1}{2}6(10)\frac{1}{3}; on Parts at 60 days 56; 156\frac{1}{3}; P2\frac{1}{3}.

The stock market is firm without animation; for particulars we
refer to our tabular statements. It will be seen by reference to
our telegraphic report of the San Francisco stock market, that

niping shares there are firmer and advancing.

Coal.—The supply of foreign coal is small, with little demand ex ept for gas coal. Domestic has been in fair requestat \$5-7500 \$8-50 per four of 2 000 lbs. The inquiry for the last bas been fair; cargo prices unchanged, and the stock increased. The following are the prices realized at the anction sale of Scranton coal:

priess realizer at the aliction sale of scramford coar:

70ns, May 9

5,000 Lump....\$6 00 @ \$ = 625

3,000 Steamboat 6 40 @ 67 00

3,000 Grate... 6 80 @ 6 90

3,000 Grate... 6 25 m 6 90

3,000 Grate... 6 25 m 6 90

3,000 Egg... 6 25 m 6 90

3,000 Egg... 6 00 @ 7 25

3,000 Crate... 7 00 @ 7 25

2,000 Chestinit. 5 35 @ 5 50 4,000 Chestut. 5 50 @ 5 60

A new description of coal—brown coal—lound in Middlesex and Monnouth counties, is, we understand likely to come into the A shaft is being sunk where the bore showed a twelve

Shipped over the Lehigh Canal for the week and season, com

parea with the same time last year:		
	WEEK.	SEASON.
	Tons. Cut.	Tons Cut
Week ending May 5th	25.140 13	136,060,06
Same time last year		68,762 10
Increase	12,319 - 06	67.297.96
The following is a statement of coal t	ransported on	the Lehigh
Valley Raifroad for the week and seasor	i, compared wi	th the same
time last year;	Were	Spran

time last year;	WEEK.	SEASON.
	Tons. Cut.	Tons. Cut
Week ending May 5th	.22,622 12	625,332 08
Same time last year	.15,259-12	567,159 11
Increase	3.363 00	59,172,17

nonding time last year :

Week ending May 5th	Tons. Ciet. 136,060 06 76,307 00
Increase	59.853 06 and Reading
Railroad for the week ending May 3d, 18	and Techning

t	Total anthracite coal for week	Tons. C 83,619	
	Bituminous coal from Harrisburg and Dauphin for the week	4,795	07
	Total of all kinds for week		
	Total	,129,760	1:

Company for the week and season, compared with corresponding time last year :

Week eading May 5, 1866 Previous in 1866	
Week ending May 4, 1865	 \$43,352 62
Previous in 1865	14,398 82 20,038 85

road for the week and season, compared with the same time last

	year:	
	Week.	SKASON.
	Tens. Cut.	Tons, Cut.
1	Week ending May 5th31.744 01	438,249 10
1	Same time last year	316,930 14
	Increase	121,318 96
	The following are the receipts of the Delaware Di	vision Canal
7	Company for the week and season:	

 Week ending May 5th.
 \$ 8,135
 23

 Previously this year.
 35,217
 39
 Total,....\$43,252 62

Week ending May 4, 1865	
Previously in 1865	
	20,938 85

ware and Hudson Canal for the week and season ending May 5,

Week. Tons. Delaware and Hudson Canal. .46,890 Pennsylvania Coal Co. .590	Tons. 154,270
Total	153,460
Week	
Delaware and Hudson Canal	4 70,963
Penusylvania Coal Co	
Total23,49	76,155
Philadelphia and Reading Rail Road for year ending	November

30 '65: Total receive l Total main road

	at Philadel.	and b a iches.
Anthracite Coal	2,636,481	3.154.821
Bituminous "	214,135	306,489
Iron Ore	40	147,234
Iron, (bar, Boiler, Cast'gs & Stee	el) 16,781	35.102
Pig 1ron	30,171	101,009
Lebanon Valley Branch Rail R	load :	
Anthracite Coal, Westward		133,610
do do Eastward		4,165
Bituminous, "		306,491

Iron .- Prices for Pig have declined. The demand is small and 1100.—Trices for rig have declined. The declinant is small and sales limited. The stock of Scotch is estimated at 5,000 tons. The supply of American is small, but increasing. The sales are—250 tons Glengarnock, at \$43, and 100 do. at \$44; 150 tons Coltness No. 1, at \$17; and 600 tons American No. 1, at Elizabethpert American No. 1 may be quoted \$42 @ \$43; No. 2, \$40 @ \$42. Bar Iron-Is firmer.

Copper —Only a moderate business in American Ingot Copper, at former prices. The sales of Paltimore are at 28 @ 281, c., and al former prices. The saids of cantinore are at 25 or 25 2 c., and Lake at 25 or 30 c. No change in new sheathing and yellow metal—say 40 c. for the former and 34 c. for the latter. The average price of Copper ores, 2387 tons, sold at Tabb's Hotel, Redrath, England, on 26th April, was £4 6s. 0d. per ton.

Lead.—A rather firmer feeling in the market and some specia lative demand. Spanish, German reflued, and English are quoted

\$8 25a\$8 50. Bar 9c.; Sheet and Pipe 11)₂c.

Spelter — Silician, firm but little doing.

The importation to April 30, was.

To same time last year. 3,770	8
Increase	
Tin—Is lirmer, but without change of price: 1,500 slabs sol at 20c. gold.	d
Importation to April 30	S

Same time last year
Increase
Importation to April 30 259 265 box To same time last year 125,205 4
Increase 137 060 box

Salt.—Little of importance doing; the arrivals are light; prices
 Salt. — Lattie of importance using , the arrivals are ngut; prices mechange I but firm.
 prices are ngut; prices mechange I but firm.

 .verpool, Ground, per sack.
 \$1 600 \$\frac{3}{2}\$ 170.

 .verpool, Fine, Ashton's.
 \$600 \$\frac{1}{2}\$ 25.

 .verpool, Fine, Worthington's.
 \$2 7560 \$\frac{2}{2}\$ 85.

 .verpool, Fine, Jeffreys & Darcey's.
 \$2 7560 \$\frac{2}{2}\$ 85.

 Pork's island, per bush.
 4300 \$\frac{4}{3}\$ 6.

Petroleum—Shows a decidedly improved tendency with an retroigum—snows a decidedly improved tendency with an increase in price to 28c; 10.62 28c for crude. The receipts are small and the market is said to be over sold. The removal of the duty or Petroleum will undoubtedly cause many wells to be again started, and help to revive the trade. Refined, in bond, is quoted at 43c, for present delivery. Sales of about 2,000 bbls, for June delivery, at 44c. There was received the following during the last week: ring the last week :

At Pittsburg, May 8th, there was a decided tendency to hold

for higher prices, the rates were 14, 14^{1}_{4} , and 14^{1}_{2} for bulk, equal to 18, 18^{1}_{4} and 19, including barrels. Receipts for past week 9.596 bbls., chiefly in bulk. Refined 0d was active; buyers entered the market early, and number of parcels were disposed of, principally for export to hiladelphia. The sales were as follows: Bonded, sales on the

rmacephas. The sacs were as lonows: Bollacd, sales of the spot. 500 bbls. 55c., sales for Philadelphia delivery, viz.: 1,000 bbls. bonded during the month, b. o., 42c.; sales of two lots, 900 bbls. immediate delivery. Philadelphia, 424;c; sales of 1,000 bbls, June, Philadelphia, b. o., 43c.; sales of 1,000 bbls., May, s. o., at 42c.; sales of 50 bbls., July delivery, b. o., 44c.; sales of 1,000 bbls., September, b. o., 46\frac{1}{2}c.

Free Oil was dull; nobody wanted to buy. The supply on the arket is not large.

The following are the receipts of Oil by the rive and railroads

at Pittsburg for the past week; also from the 1st of January, with mparative table for the same period in 1865:

	RIVERS.	RAIL.	TOTAL.
Monday, April 30		1,349	22,880
Tuesday. May 1		253	32.253
Wednesday, May 2	21.052	663	21.705
Thursday, May 3	5,638	680	6,288
Friday, May 4	13.927	652	14,479
Saturday, May 5	6.244		6,344
Total for week	100,392	3,497	103,889
Since January 1	314.202	82,218	396.420
Receipts to May 4	414.594	85,715	500.359
Same time in 1865		40,097	139,925
Increase in 1866	314 766	45 618	260.204

MINING AND OIL STOCKS.								BOSTON STOCK MARKET.															
OIL STOCKS.	BID.	ASKED, BIL		EID.		BHD. A	SKED.	IIID.		BID ASKED.	Reported for the Jou		of Mi	ning	by Lo		d & C			& Br	okers	Bost	on.
Bennehoff Run. Bennehoff Mutual Buchanan Farm. Bliven. Bradley	. 10 65	10 75 10	75 10 9	95 11 95	12 00	12 80	12 90	12 25	12 35		Boston Companies,	Ma RID.	y 4.	Mit.	y 5.	May Bib.	7. T	May	S.	May	9.	May	10.
Buchanan Farm	40	2.50	40 1	1 41	2 00	42	45	41	1 43		iteelie Farm												
Brevoort	50	*9 (36) 1	W. 17 1	0 7 -5	43 4443	9 400		A 1000			Boston Oil Creek Land Co.		40	1	40)	1 00		40		40		
E Oh E		m F	DO T 4	T 00	1 5763	w 00	e 11							1 00	2 00	1 00	2 00	1 00	2 00	1 00	2 00	1 00	2 00
Empire City Pet'm Co Empire and Pit Hole		40	30 4	3	40		45		38														
Empire City Pet'in Co. Empire and Pit Hole. Excelsior. First National. Hamilton McClintock. Ivanhoe. Mt. Vernon	80	90	80 9 9 1	0 80 3 10	15	80 11	1 00	80	1 00		Crescent Petroleum Co Everett Oil Co (Pref. Stock).	1 10	1.50	1 10	14	10	13	10	13	1.00	12	1.00	12
Hamilton McClintock Ivanhoe	2.50	2 90 9	10 2 0	0	1 75	1 40	2 25	1 55	1 75		Farrar. Fuller Farm.	. 1 00	7 00	1	7 00	1	7 00		7 00		-		7 00
Mt. Vernon N. Y., Phila, & Baltimore N. Y. & Alleghany Northern Light							- 20		25						11		11)	6		6		6	10
N. Y. & Alleglany	3 30	3 65 3	40 3 7	5 3 50	3 75	3 55	3 75	3 50	3 70		Mass and Oil Creek	. 10	20	10	26	10	20	10	20	10	20 20	3.0	20 20
Oil Creek of N. V	56	59	60 6	1 55	200	100	42.		2 00		New Fingland. New York and Boston Pepper Petrolema.	. 9	1:	9 50	12	10	15	10	15	10	15	10	15
The state Const.											l'epper Petrolema	. 4 60	5 01	4 60	5 00	4 75	5 00	4 65	4 90	4 50	4 70	4 00	4 50
Pit Hole Greek Pit Hole Farms. Rynd Farms. Shade River. Sherman Oil Co. Union. United States.							1 00	1 89	1 90		Tremost	. 0	2 00	9	9 60	5	2 00	5	2 00	5	3 00	5	2.00
Shade River	55	65	60 6	1 61	63	16 61	64	15 58	62		Wie threp. Suffeik and Oil Creek. Independ. of U.S. & C.W.	. 10	10	6 10	10	6	10	10	10	6	10	10	10
Union	1 00	5 50 1	00 6 5	0 2 00	6 00			1 00	15.00		Independ. of U.S. & C.W		40 00		40 00		40 00		40 00		10 00		35 00
United States	9 90	10 00 9	35 9 5	0 8 90	9 00	8 25	8.75	8 50	8 75		New York Companies.												
		20	20 0	20	4343	20	-50	.;0	40		Bennehoff Ben	. 11 25	11 35	10 85	11 05	19 65	11 00	10 75	11 00	12 90	13 00 1	2 80	12 90
FREE LIST.																							
Allen Wright Bergen Oil & Coal Bennehoff & Pit Hole											Bradley Bachanan Farm. Cestral. Cherry Ron	. 37	38	39	45	39	45	40	42	40	42	41	45
Benneboff & Pit Hole, Brooklyn. Cherry Rus Petroleam Co Clinton Gd. Consolidated (New York)			20 1 0																				
Cherry Rua Petroleam Co	4.7	20	2	0		- 50	10	-36)	20		Coasolidated Empire City		1 25		1 25		1 25		1 25 .	20	1 25 .	20	1 25
Consolidated (New York)											Engare and Pit Hole												
Cinton Od. Consolidated (New York) Electic Oil. Equitable. Emiskillen. Fee Simple.	80	85	80 1 0	6 80	1 00	80	90	80	1.00		First National			10		10	:4(1	10	30	10	:903	10	15
Emiskillen Fee Simple	1 10	2 00	22		3 00						Hey brick								8.				8
Forest Co. Petroleum Co.											Highgate	. 5	10	5	10	5	10	5	10	5	10	5	10
Forest Co. Petroleum Co. Germania. G. Western Consolidated Guild Farm. Heydrick					9	5	7				Consolidated Empire City Empire City Empire and Pit Hole. Excelsior First National Germania Hey-brick Highgants Kinekserbocker Manhattan McKinley		20	10	16	10	16	10	16	10	16	10	17
Guild Farm											Y Phila & Baltimore								2000		* **	20	20
Heydrick Bros											Northern Light	. 12	2 00	10	2 00	50 10	2 00	50 10	2 50	50 10	2 50	50 10	2 00
Heydrick Bros	20	50	5 1 25 4	0 12	12.		12																
Liberty		20	10 2)	20 .		20		55		President. Pit Hole Creek. Bynd Farm	0.20	40		40		40		40		40		40
																		40	63(1)	1 90 25	2 00	1 90	2 00 25
National New York & Newark New York & Philadelphia Second National. Oak Shade Petrolemn.			. 30	0	4 00	10	4 50	1.50	3 00		Unjop	. 4		4	7 50	4	7.50	1 00	5 50	1 00	5.50	1 00	5:50
New York & Philadelphia		50	0 4	1 10	15	5	50	5 10	36		United States	9 40	0.50	0 65	9.70	0.00	10 10	0. 05	10.00	8 60	0.00	8 -05	0 05
Second National Oak Shade Petroleum		70 :	25 1 0	30	1.00	35	70	_e 35	9 90		Webster Shade River	. 55	56	60	65	60	65	55	65	55	55	61	63
Oak Shade Petroleum Oceanic Penn Oil Creek	10	12	10 1	10		10	20		25		Hard Pan. Quartz Hill Gold	4 50	4 60	4 60	4 70	4 50	5 00	4 65	5 00	4 50	2 50 . 4 60	4 50	4 60
Pepper Well		5 00	4.9		5 100		5 00		5.00		Smith & Parmelee Gold	. 9 55	9 60	9 40	9 60	10 00	10 50	10 00	10 50 1	10 00	10 10 1	0 25	10 40
														•	COA	II.							
President											Companies,	May	4.	May	5.	May Btb. A	7.	May	8.	May	9.	May	10.
												-											
Sherman Od	4	9	11 1	5	50	4	10	4			Beimont		35		35		35		23.5	115	1	95	
									19														
west va. on & coar co	5	5	5 5	1 4	8	ð,		4	7		Continental. Frankin. Giberton.	7 50	9 00	5 50	9 00	7 50	9 00	7 50	9 00	7 00	9 00	7 00	9 00
MINING STOCKS											Glenville	8.00	8 75	8 00	8 75	8 00	8 70	8 00	8 75	7 00	8 75	7.00	8 75
Ada Elmore	2 46	2 60 2 3	i0	1 05	2 60	2 65	2 70	2.65	2.70		HarleighLackawana												
Altona, Anoerican Flag Atlantic & Pacitic. Patas & Bayter Gold		3 00	. 3 2	1 33	3 00 .	1 80	2 95		3 00		Lorberry Locast Dale Mannasth Veia Monat Pleasant	20 00	25 00	20 00	25 00	20 00 :	25 00		20 100		20.00		20 00
Atlantic & Facilic Bates & Baxter Gold Benton Gold Bobtail Gold.	1 75	3 00 1 3	0 2 2	2 25	3 75 2 25	2 00 2 00	2 25	2 00	5 00 2 20		Mananth Veia	2 50	$\frac{2}{21}$ 88	2 75	3 00	2 75	3 00	2 75	3 00	2 50	2 75	2 30	2 60
					1.70	1 50	3 40	1 50	3.50		Potomac	20.05	6 25	00 05	6 25		6 25	24 00	6 25 .		6 25		6 25
Black Hawk											Washington	20 20	24 00	20 20	22 00	22 00 ;	23 00 ;	24 00 :	28 00 2	22 00		3 25	
Corydon	1 25	2 50 1 (0 2 0	1 25	10 20 1	1 00	2 00	15 40	1 80					MI	INE	NG.		_					
Downieville Gold		40 -	. 2 5)	46)		2 50		2 50		Companies.	May	4.	May	5.	May Bib. A	7.	May	8.	May	9.	May	10.
Gunnell Gold	1 12	1 20 1	0 1 1	1 10	1 12	1 00 .	i lo	1 60	1 05							A	14			IdD. A	SKED.	1917. 2	SKED.
Holman	43	5 00	11 4 50	1 49	43	4.9	5 00 .		5 00		Albany and Boston	ii			15 11	1037	11	10%	10%	101,	14 10%	1034	11
Gunnell Central	3 25	4 00 3 0	5 3 50	3 00	4 00	2 50	3 50	1 0	0.00		Ceatral	30	40	30	40	12	1	35	40	28	40	58	
La Crosse Gold	1 00			1 00	1 20	1 00	1.30	1 89	2 00		Copper Falls	315	4	42	434	316	4 4		434	12	414	318	11
La Crosse Gold			i0 8.		2 00 .	24	1 00	25 60	1 00		Franklin	411.		415	413	411.	42	4114		41.5	43 19 5	42 3	421,
											Hamboblt	40'4	634	10.3	637	181 ₂ 6	634	1:1	191,	6	7 2	19/2	7
Montano	46	50	15 4	40	45	44	45	4:2	43		PRICES OF ASSAYIN				o	OTTEM	TOAT	T 37	DILL	n nr	TID 4	D 4 M	70370
Perigo Gold											Smeiting Furnaces					USE		THE					
Texas Gold	80	85 1	60 S	75	80	65	1 00	70	10 20		Cupelling		35 0	0 0 40	00	ACD, A	leetie.					\$0	75 lb
											Scales			0(a 30		• 4	Hydroc	ous chelori	C			0	05 0Z 50 0Z
											Plumbago Crucibles		2	50 1		(Oxalic.					0	50 lb
Caledonia Copper Copper Falls Sheldon & Columbian Cop											Peris "			5 0 1	25	-6 5	minim	ric				0	75 lb 60 lb
Knowlton Copper		3	90	3 00		3 00		3 00	4 00		Fire Tongs			5 a 5	50	AMMONI BARYTA	Carl	onate.				0	20 oz
Minnesota Copper		10 00	. 10 0		10 00 .		DE UU		14 00		Humaners		1 (0(a) 2	50	5 -	Nitr	rate				0	40 oz 12 oz
											Famicles Litmus Paper, quire			150 1 100 1		BARIUM Copper.	I. Chio	ride				0	12 oz 10 oz
Ogima-Copper Princeton Copper Depba Lead Maubau Lead Phonix Lead & Mining Co Walikill Lead Copake Iron Annular Deill	10	20	7 2) S	20			10	20		Ingot Moulds		1 :	2500 3	-	lodine, Iron, Se						0	75 oz 25 oz
Phoenix Lead & Mining Co		2.50	2 5	0	2 50		2.50		2.50		Flasks, Bohemian Glass Sand Baths, Iron			5(a) 1	00	Lead, N Mercub	Vitrate					0	10 oz
Copake Iron	25	35	10 10 9.	. 75 5 50	1 00	90 40	95	70 50	1 00		Sand Baths, Iron Plyers			25@ 1 50@ 2		6 =	Pro	etonitra	ate			0	20 oz 25 oz
Amular Drill New York and Newark											Mortar and Pestle, Iron, Aga	ith.etc		0(a) 20	00	l'otass.	Chl	loride. bonate.				0	20 oz 25 oz
Eagle Gold					2 50		2 50		2.50		Lamps, Gas and Alcohol Blowpipes			50a 5	00	4.	Bic	broma	te			0	15 oz 20 oz
Norwich Copper			15	0	1.50		1 25				Hydro-Oxygen Blowpipes		25 (00 a 125	00	6.	Chr	romate				0	15 oz
New York and Newark Eagle Gold Silver Eagle Norwich Copper Superior Wisconsia Schuylkill Coal Bullion Consol, Min's Co	3 00	3	25 00 8 0	0	7 00			3 25	9 00		Pincers, or Cutting Piyers. Glass Tubes. German, etc			75m 1		+4	Fer	drate. rrocyai	nide			- 0	40 oz 25 oz
Bullion Consol, Min'g. Co Rockland		1	50			2 90					Muffler			$\frac{1}{50}(a) = 1$	50	44	Sul	rmanga phate.				0	18 oz 10 oz
Rockland. Lake Superior. Rocky Mountain Gold Clute Lead									15 00		Anvils		1 (alio d	00	SHVER,	Nitra	ate			G	old 1	10 oz 10 oz
Clute Lead											Cupels, per doz			50m 5	4.000	10 1	Carbe	nate				0	10 0z 20 0z
Foster Iron											Bone Ash. per 15			25(0)	50		Phosp	te				0	10 oz
British American Coal											Test Lead, '			5000	75	SODIUM	, Chler	ride				0	10 oz

NEVADA STOCKS SAN FRANCISCO QUOTATIONS.

LATEST BY MAIL.

NAME.	Apri		Sales for week Ending April 15.					
Ciana Nama In	Open'g	Clos'g		Amount.				
Sierra Nevada Imperial Gould & Curry	150	\$ 93 ₄	980 980	\$ 3.164 00 140.586 00				
Chollar-Potosi	377 12	375	243	100.841 00				
Yellow Jacket Bullion	890 112	842) ₃ 112	160 123	145.629 00 14,397 00				
Crown Point Belcher	3335	360	124	30,775 00 45,891 00				
Overman Ophir	721 ₃ 800	77 830	751 203	59.335 00 241,965 00				
Hale & Norcross Exchequer	10	104.	23 476	7.113 00				
Savage Empire Mill	200	200	53 31	57.512 00 6.20 2 00				
Alpha Blue Ledge	212	21,	5 115	2,200 00 362 00				
Lady Bryan Daney	14	15	341	4,952 00				
Caledonia Tunnel. Segrigat'dBelcher			38 40	132 00 640 00				
Real del Monte Confidence		38	214	8,554 00				

LATEST BY TELEGRAPH.

				FRANCI			
Name.	Bid	per foot	t. 1 Name.		Bid	per	foot
Gould & Curry		99	Crown Point	t			132
Savage		104	O Yellow Jack	et			720
Chollar-Potosi			5 Beicher				34
Ophir		50	5 Alpha				34
Hale & Norcross .		196	io Imperiat pe	r slare.			13

NEW YORK METAL M	AF	RK.	ET.	
(CORRECTED WEEKLY.)				
Antimony Regulus. 7 fb	00	13	@\$ 00	14
Crude				
Borax		33		
Brimstone	67	50	72	50
Brinstone. Copper—Ingot. Lake Superior, & fb., cash.		28		29
Darithore				
Pig ChiliBolts		28 45		
Bots. Braziers Sheathing. Yellow netal. Inos—Pig. No. 1 Scotch, p ton. No. 1 American. No. 2 No. 2 Charcoal. Bar. Swedish ordinary sizes. Amer. and Eig refined. common. Ruils, American currency.		45		
Sheathing		45		
Yellow metal		34		
Inox—PigNo. 1 Scotch, 🔁 ton	42	50	45	00
No. 1 American	42	00	45 44 40	00
No. 2	38	00	40	00
Dow Smodish ordinary stars	150	00		
Amer and Fug refined	115	00	120 110	00
· · · · · · common	105	00	110	00
Common. Ruils, American currency. English gold. Horse shoe iron. Rods 5-8 and 3-16 rd. and sq. Ruil. Ruil rods, 5-8 and 3-16. Hoops. Sheels, Russian. [8] lb. English American Boiler Plates, English. American.		85		
English gold		56		
Horse shoe iron	140	00	147	00
Rods 5-8 and 3-16 rd. and sq.	122	50	185	00
Band	145	00		
Rail rods, 5-8 and 3-16	122	50	18a	00
Hoops	140	91	215	00
Sheets, Russlan, & ID		7	* *	02
American		95		10
Boiler Plates English				. 3
· American				
Boiler Plates, English. American STEEL Dest cast in bars, war Dest sheet cast, Post cast charge grander saw plates		22		
Best sheet cast, "		22		
Best cast circular saw plates				
46 in		28		
Double shear steel, war		2.2		
best Cast Circular saw places 46 in. Double shear steel, war. Single 4 Montague & Co. C. S., in bars Round machinery cast. Best German.		19		
Pound madinory cast		15		
Bost Corman		15		
Eagle German		13		
Fagle German (L.) Blister. war		19		
W.Jessop & Sons, blister, war		16		
Double relined		24		
Stone Axe shapes		24		
Common blister		13		
2d quality sheet		19		
LEAD Atterfocats per 100 lbs German. Spanish English. Bur per 100 lbs Pipe and sheet. TIN Burca Gov., per 100 lbs, gold		19		٠.
German	8	-25	8	45
Spanish	8	125	8	45
English	S	25	8	45
 Bar, per 100 lbs 	8	50		
Pipe and sheet	11	50		
TinBanca Gov., per 100 lbs. gold	-3.3	50	23	00
Straits	21	00	21	50
Engilsh	21	00		
PTN PLATESIC 10-14 prime charcoal	10	50	13	49
10 19.19 4 4	1.0	50		
IX 12-12 " "	17	95		
IE 14:20 " "	15	00		
IX 14-20 " "	17	7.5		
IC 14-20 Roofing ch. 1st	13	00		
IC 14-20 " · 21	12	00		
IC 14-20 · · Coke	9	7a		
IC 10-14 Coke	11	25	11	50
SPELETRLelugh. per lb., currency		11		12
7 Foreign " gold		6		- 1
Souper No. 1	:	121	5	13
Pipe and sheet.		20		
QUICKSILVER		22 80		
		0.0		

LONDON METAL M	AR	K	ET.			
1.4	ONDO:	v. 2	pril	27, 1	866	í,
	£.	8.	d.	£.	8.	ď
COPPER Best selected, per ton	94	0	0	@		
Tough Cake & Tile, per ton	- 91	0	0			
Burra Burra "						
Copper wire, per lb	0	0	12			
tubes, ·· 6	0	0	12%			
Sheathing & Bolts, per ton	96	0	0			
Bottoms.						
Old (Exchange)	82	0	0			
IRON Bars Welsh iu London	7	10	0		0	
Do to arrive			61		10	

FEDERAL SECURITIES.

LOANS, INTEREST PAVABLE IN GOLD,			AMOUNT OUT- STANDING.	RATE.	FRIN. PAY.	INTEREST.		HEN ABLE.	OFF. PER CENT.	ASKED PER CENT
AUTHORIZING ACTS.										
Registered Bonds 28 January, 1847			\$9.415.250 {	6	1867	\$564,915	Jan.	July.	121	121
Registered Bouds 31 March, 1848			8.908,342	6	1868	584,500	Jan.	July.	1161 ₂ 1161 ₂	117%
Registered Bonds 22 June, 1860			7.022,000	5	1871	351.100	Jan.	July		
Registered Bonds			20,000,000	5	1874	1.000,000	Jan.	July.		
Bonds, March 3, I865, Oregon War Debt.					1881 1881			July.		
Registered Bonds	1861.		283,715.650	6	1881		Jan.	July.	10918	1094
Registered "Coupon " 25 February, 1862 (5-20's))		514.780,500	6	1882	30.886.836	May	Nov.	102	102%
Registered " (5-20's) new issue			100.000,000	6	1884	₩000.000	May	Nov.		
Bonds, March 3, 1865			65,175,500		1885					
Registered			171.219,100	5	1904		Mar.	Sept.	9534	
Total April 1			1,180.236.342				-			
LOANS, INTEREST PAYABLE IN LAWFUL MONEY.	RATE.	AMOUNT STANDIN				INTERE T.		HEN TABLE.	OFF.	ASKED.
Ponds, Cent'l P. R. R. Co., July 2, 1864. Bonds, Union P. R. R. Co., July 2, 1864. Pemporary Loan. Pemporary Loan. Pemporary Loan. Pemporary Loan. Pemporary Loan. Petilical sed Indebtedness, March 1, 1862. 1 and 2 Years' Notes, March 5, 1863. 3 Years' Compound Interest March 3, 1863 }	. 6 . 4 . 5 . 1 . 6	18,576.3 62,258, 8,536.3		not not not not m dr	ice ice ice	21.898,000 00	1 yr.	fr. date		
Notes										
(March 6, 1865)			3 yrs fro			21.900.000 0				102
3 Years' Treasury Notes, March 3, 1865 3 Years' Treasury Notes, March 3, 1865	. 7.3		000 00 3 yrs fro			21.900,060 0 16.790,000 0		Jan		1023

					,	
N. A. A.		_			-	
Nail rods	8	-	6	9	5	0
Po. Stafford in London		15	0		17	6
Bars " "	7	15	0	10	-0	0
Hoops " "	9	15	0	10	10	0
Sheets, single	10	7	6	11	0	0
Pig No. 1 in Wales	4	5	0	4	10	0
Refined Metal, do	-1	0	0	5	0	0
Bars Common do	6	15	0	7	5	0
Do. Merch. Tyue or Tees	7	10	0			
Do. Railway in Wales		10	0	6	15	0
Do. Swede in Loadon	11	10	0			
To arrive	11	10	0			
Pig No. 1 in Clyde	3	19	6	4	8	6
Do, t. o. h. Tyne or Tees	.)	9	6	-9	Ca	
Do. Nos. 3, 4, f. o. b. Do	0	6	6	2	7	6
	-					
Railway Chairs	5		0		15	0
Do. Spikes	11	0	0		0	0
LEAD English Pig Common	21	0	0			
Do. ordinary soft	21	7	6	21	10	0
Do. (W. B.)	21	15	0			
Do. Sheet	21	15	0			
Do. Red Lead	23	10	0	24	0	0
Po. White	27	0	0	30	0	0
Do. Patent Shot	23	15	0	24	0	0
Spanish	20	5	0	20	10	0
STEEL Swedish in kegs, rolled p ton	13	0	0	14	0	0
Do. hammered	15	0	0	16	0	0
 Do. in faggets	16	0	0	16	10	0
English Spring	19	0	0	23		0
QUICKSILVERPer bottle	7	0	0	-	-	-
Speiter Foreign, per toa	23		0			
To arrive " "	23	10	0			
Zixc. In Sheets.	30	0	0			
T _{IN} English Blocks	91	0	0			
Do. bars in barrels	(40)	0.	0			
Do, refined	94	0	0			
Bagea	80	10	0			
				20		0
Straits	78	0	0	79	0	0
Tin Plates* . IC Charcoal, 1st qu., per box.	1	15	0			
IX Do., 1st quality	2	1	0			
IC Do., 2d quality	1	13	0			
IX Do., 2d quality	1	19	0			
1C Coke	1	8	0	1	9	
1X Do	1	14	0	1	15	0
Canada Plates, per 10n	13	. 0	0			
In London; 20s. less at the works.						
YELLOW METAL-Sheathing p.lb	0	0	9			
Charter war lb	0		9			
Sheets, per lb		U				
INDIAN CHARCOAL—Pigs	7	0	0	7	10	0
* At the works, 1s. @1s. 6d. less.						

Sodium Amalgam.

Sodium Amalgam.

Sodium amalgam has been pretty well known for about sixty years. Several distingnished chemists, among whom was Sir Humphrey Davy, at the beginning of this century, busied themsetves with studying it, and it was reasonably supposed that nothing of importance would be added to what they taught us of its properties. Yet the fact is that quite recently we have learned something about sodium amalgam that is practically worth more than all that we previously knew. It will most be taken out of the older when the strongest desires of men. Sodium and mercury being both metals, have a wonderful affinity for each other. When they are brought together, there is a grand clash of atoms, so Prof. Tyndall would express it, and there is smoke and loud sounds, and flame, and intense heat; the experiment is a dangerous one, unless made on a very small scale. When the sodium amalgam is brought into contact with almost any metallic salt, the sodium seizes the oxygen, chlorine, or sulphur, and the mercury lays hold of the metal;

in this way amalgams of iron, platinum and other metals which ordinarily do not combine with mercury, may be made. If sodium amalgam be put into a solution of sal-ammoniac, the amalgam, without losing its metallic appearance, increases prodigiously in size, and reminds one now-a-days of Pharaoh's serpents; this enrious experiment suggested the famous ammonium theory, which is discussed in every text hook on chemistry. A very little sodium makes a solid amalgam; I part sodium to 50 parts mercury, gives a consistency of butter; I sodium to 30 mercury gives a solid, not so longh, but otherwise much resembling zinc. But these facts are not new, and we proceed to those which are the object of this article. Dr. Henry Wirtz, now of this city, but formerly of the Patent Office, is the discoverer of the new uses of sodium amalgam. From patent examiner, he has became an inventor; we congratulate him on his anspicious heginning. Dr. Wurtz has found that when a very little sodium is added to ordinary mercury, the affinity of the mercury for metals generally is so increased, that for use in the arts this mixture acts almost like a new substance. Gold and silver miners have long complained that their mercury was too feeble in solvent power, was liable to "flour" and to get "sick," etc.; that the gold is often fia condition, as in Colorado, where it slips through the tingers of any device set to catch it. Dr. Wirtz's invention is said to be a complete remedy for all these ills. Whenever sodium amalgam touches gold it sticks to it and does not let it go; it sticketh like a brother; to gold and silver it is as adhesive as tar to a contraband. Sodium amalgam is sometimes called magnetic amalgam. Dr. Wirtz has found other uses of sodium, and transport it in solid blocks, and when the mercury is to be used, the sodium is removed by a simple process. If a broom be made of iron wire, and charged with the amalgam, it is very useful for sweeping together mercury which has been spilled. Every little particle sticks to the broom, from w

Patent Claims.

Interesting to Miners, Millmen, Metallurgists Oil-Men and Others.

The following claims have recently been issued from the United States Patent Office:

17011 the Diffied States Patent Office:

54,349.—Grate Bar.—David Honston, New York city:

I claim, and desire to secure, by letters patent, the bearing bar b, connected to the grate bar. a. at or near its centre, and resting at its ends upon the same bearers as the ends of the bar, a, but disconnected from said bar, a, at its ends so as to allow the grate bar to expand independently of the bearing bar, as set forth. 54,376.—Annealing Box.—James E. Lewis, Sharpsburg,

Pa.: I claim constructing east from annealing boxes, as described, wing the body of the box in a separate piece from the bottom of top, or cover, for the purpose of preventing its warping by the action of the annealing oven.

64,409.—Furnace.—George E. Reynolds, Philadelphia,

: a detachable block, H, adapted to the fore plate of a fur-stantially as and for the purpose herein set forth.

nace, substantially as and for the purpose herein set forth.

45,412.—Method of Extracting Precions Metal from Ores.

Van Buren Ryerson, New York city:
I claim the process of decoupesing subplarets 'and in admixter in the ores of gold and sliver, by subjecting said ores in the pulverized or gramlated state to the action of superheated steam, so as to convert the subplurets in subplates and sulphites, substantially as and for the purpose described.

And I also claim, in combination with the said process for decomposing said ores, the process substantially as herein described, of amalgamating the particles of precious metals with mercury.

-Atmospheric Hammer.-John Robertson, Nev

York city:

York city:

First, I claim, in combination with the cylinder hammer head and piston, applied and operating as herein before specified, the provision for raising and lowering the piston rod, and shortening or increasing its effective length while the hammer is in operation, substantially as herein set forth,

Second, I claim, in combination with the hammering apparatus, constructed as described, a variable crank, substantially as

51,414.—Apparatus for Refining Petroleum—William H. Sangster, Buffalo, N.Y.:
First, I claim the partition, A, or its equivalent, when constructed as and for the purpose herein substantially described and set

ond. In combination therewith, the plate B, or the equivalent of, as and for the purpose described. thereof, as and for the purpo 54,415. - Grate Bar.-Horace B. Scofield, New York

eity: I claim a grate bar for furnaces, formed with a straight upper surface, and a rib on its under side, corrugated in the manner and for the purposes specified.

for the purposes specified.

54,440.—Machine for Bending Tubes.—James Sweeny,
St. Lonis, Mo.:

First, I claim the combination of the beam, A, having a mortise, a, in it, with the screw, f, when constructed as and for the purpose set forth.

Second, I claim the sheaves, d.d., in conbination with the chain, g, or its equivalent, and the screw, f.

g, or its equivalent, and the screw, f.

54,442.—Magnesium Lamp.—Robert H. Thurston, Providence, R.I.;

First, I claim the use of the feed roller, II, as a surface owhich to burn a strip or wire of magnesium, substantially as described.

Second, The combination of the stationary scraper, K, with the roller, B, substantially as described and for the purposes speci-

field.

54,454.—Rock Drill.—Charles Hunter Webb, San Francisco, Cal.:

1 claim the arrangement at an angle of 45 deg. of each end of the back of the cutters or dies, together with the arms or guides thereof, at the same angle of 45 deg, of each edge-of the wedge by which the cutters or dies are driven at its points of continuity with the cutters or dies are driven at its points of continuity or dies are driven at its points of continuity or dies are made to traventies in their propulsion by the blow toward the rock and their recoil therefrom, each separately and the whole collectively for the purpose described, namely, the effective delivery of the blow with the least amount of friction.

54 470.—Charles Truesdale (assignor

the least amount of friction.

54,470.—Cupola Furnace.—Charles Truesdale (assignor to himself and Wm. Resor & Co.,) Cincinnati, Ohio: First. I claim the prevision in a cupola or melting furnace of one or more vertical series of tweers with graduated or decreasing vantages toward upper portion of the series, substantially as set forth.

Second, The arrangement of one or more vertical series of tweers which project beyond the common or general lining wall, and are protected by vertical pilers, substantially as set forth.

All Sorts.

7.0 A tashionable but ignorant lady, desirous of purchasing a watch, was shown a very beautiful one, the skeeper remarking that it went thirty-six bours; "What, it day!" she asked.

The coal trade at Richmond, Peun., is suspended in consequence of the determination of the horizontal state of the later o ed in consequence of the determination of the laborers to any reduction of wages. No disturbance has yet occurred

787 A little boy being told by his mother to take nowder she had prepared for him, "Powder, powder!" said he, ting on a reguish smile, "mother, I ain't a gun!"

mance of a singer, said, "We hang upon every note!" a re rkable proof of the singer's power of execution.

At a trial recently, a Cornish jury returned following verdict: "Guilty, with some little doubt as to wing verdict: be is the man."

The An immense shark was killed by whalemen near Monterey, the other day. He measured 23 feet in length.

33° Somebody announces, as the latest telegram from Rome, that the Pope's bull has got the rinderpest. The Chilian Government has obtained a loan \$6,000,000 from Bariag Brothers, of London.

Maximilian is about to issue \$20,000,000 of

Mineral and other On-dits.

It is asserted by competent geologists that the LF It Is asserted by competent geologists mark the supply of coal in England is in process of rapid exhaustion. According to measurements and underground explorations down as deep as four thousand feet below the surface of the earth, only eighty millions of tuns remain. This amount of coal was consumed in 1860. The consumption of the mineral increases, we are told, at the rate of three and a half per cent per anum Mines could not be worked at all at the depth of 4,000 feet. The coal fields of England are in extent but 5.400 square miles, and it is estimated that these fields will be entirely exhausted in less than a thousand years. Our coal fields are 194,000 square miles in area. It must be said, however, that the probabilities are that when coal is used up in England, science will laxe discovered a substitute that wild answer for the use of manufacturing industry and commercial intercourse.

and commercial intercourse.

All An exchange gives the following statement of the yield of Virginia City and Gold Hill, Nevada: "The total amount of ore taken out in Virginia and Gold Hill per day is 1,435 tons; per month. 43,050 tons. Value per day, \$43,050; per month, \$1,291,500. In our estimating the productions of our mines we have not taken any outside of the two cities. The Belcher, Apple, Overman and Fract-Sam are all taking out pay rock, as well as several others. We ask, where can another place be found, that, one mile in length, the same amount of money is taken out of the ground? And we all know that, at the present time, there is not one-half the amount of ore being taken out that will be in the course of three months. In fact, not one-half at the ground is being worked at the present time.

nair at the ground is being worked at the present time.

20. To make a cast-iron magnet, take a smooth bar of cast-iron, place the middle of it to the north pole of a magnet and draw it to the cod, repeating the stoke always from the middle to the end, and rubbing in the same way each time. Then place the middle of the bar to the south pole of the magnet and rab toward the opposite end of the bar, repeating as before. Magnets can be made in this way of steel as well as of cast-iron, and may be in the form of a horse-show or star, as well as a straight bar.

aght oar. えぞ Certain persons have discovered a veritable anond mine somewhere in the vicinity of the Table mountains, diamond mine somewhere in the vicinity of the Table mour to the west of Mesilia valley. The specimens are said to been pronounced genuine by those engaged in the diamond of San Francisco. Diamonds have been found at Cherokes is not improbable that they have been found at Cherokes.

70 The Chicago and Great Eastern Railway Comby has recently adapted the use of passenger cars whelly con

The petroleum excitement which broke out

Rich silver mines, it is said, have been discovered in Hanover county. Va.

Special Scientific Brevities.

7.6 We understand that Mr. Grant's Trans-mongo han telegraphic scheme is already so far advanced as to give rea son to believe that we may expect to receive telegrams by the first steamer from Eentsin after the breaking up of the ico. Mr Grant, we are informed, will leave per Corea steamer for Taku whene he will proceed to Kiatcha, with the purpose of forming the line of couriers between Kiatcha and Tentsin.—China Mail.

After the or corrers between Karcha and Thentsin.—Crima Matt.

For The beauty of the Abbe Liszt's Sinfonia of Dante is said to have driven the lovers of music in Rome half crazy. When Sgambati went to crown his master, there was an amable straggle between himself and the Abbe, but the matter was compromised by an embrace and a kiss.

A lady who had read of the extensive manuformeters, to tell how far a carriage has rnn, said she Connecticut genius would invent an instrument to hashands had been in the evening when they just

Sir Edwin Landseer has completed the model two of the hous intended for the base of the Nelson Monument, Trafalpar square, London, and the arrangements for the found-g in bronze are about to be commenced.

TO In Paris, lamps are to be immediately erected the corner of every street, with blue glasses, having upon on the names of the streets in bold letters, so as to be easily

An agricultural writer says of the children's corne, pop-corn, that a abounds in phosphate of line, just the ng to furnish material for their growing bodies and brains. It

7.6" H. J. Ellicott, a youth of eighteen, has executed in plaster, a life size statue of Mr. Lincoln, which has been placed in the Capital Ratingle when the control of the control of the control of the Capital Ratingle when the control of the con life-size statue of Mr. Lincoln, pital Rotunda, where it attracts

ZO Some experiments made at the Experiment

TW The Mobile papers report the arrival of a at carriosity at that city, a vessel made entirely of cork, which

The Suspension Bridge at Cincinnati will be the longest in the world, its total span being 3,171 feet.

73 The Philadelphia Academy of Art was opened Monday. The collection

MINING COMPANY MEETINGS.

THE KNICKERBOKER GOLD MINING COMPANY OF COLO (AIO) will hold their regular annual meeting at the office of the ompany, 78 Broadway, N. Y., on May 15, 1866, at 12 o'clock M. or the election of Trustees, &c.

THE MARIETTA MINING COMPANY WILL HOLD THEIR NUAL meeting for the election of Trustees, at the office of 2 Hay, 33 Broad street, N. Y., on June 5th, 1866, at 12 M.

THE MANMOTH GOLD MINING COMPANY OF COLORADO all hold their annual meeting for the election of Directors, etc., the office of the Company, 69 Liberty street, N. Y., on May 8th, 1866, at 12 M.

THE CUMBERLAND COAL AND IRON COMPANY WILL HOLD their annual meeting for the election of a President and Directors, etc., at the office of the Company, 90 Broadway, N. Y., on June 4th, 1866, at 12 M.

Historical Sketch of Metallurgy.

Gold, silver, copper, lead and iron, are the metals most anciently known, but the precise time of their discovery cannot now be ascertained. According to Lucrece, the discovery of metals is due to the burning of certain woods, which melted the ore contained in the soil. Strabo regarded that idea as absurd. Pasithesis of the soil of certain woods, which melted the ore contained in the soil. Strabo regarded that idea as absurd. Pasidonius attributed the discovery of mines to a circumstance almost fabulous. He thinks the earth was liquified by the burning of the forests, which produced at the surface the ores of gold, silver, etc., contained in its various depths. According to Aristotle, it was shepherds who set the woods on fire. Diodorus of Sicily, in speaking of the Pyrenees monntains, says: "Formerly they were covered with thick woods, but some shepherds having set them on fire, they were entirely consumed. The fire lasted several days, and the earth was burnt up. It was for that reason these mountains were called Pyrenees (from the Greek πv_P). Streams of refined silver were run from the earth." Cadmus is said to be the first who discovered gold. Some were called Pyrenees (from the Greek πνρ). Streams of refined silver were run from the earth." Cadmus is said to be the first who discovered gold. Some authors attribute its discovery to Thoas of Thrace; others to Mercury, son of Jupiter; others to Pisus, King of Italy, who having left his country, went to Egypt, where he was chosen King after the death of Mizraim, and received the surname of God of Gold, on account of his discovery. Others say that Eaclis or Cœcus, son of Jupiter, or Sol, son of Oceanus, was the first who discovered gold. Eschyles thinks that Pronnethens not only discovered gold but also other metals. Polybius says it was a certain Auletus who discovered the silver mines of Spain. The upper and copper names of the island of Cyprus were discovered by Cynira, son of Agryopa; and if we believe Hesiod, it was Cres, King of the island of Creta, who discovered iron mines in the mountains of Cercciuthia. According to some authors, Midacrites was the first who began the extraction of lead and tin in the island of Eassiteris. The Scriptures attribute the discovery of copper and iron, or rather the method of working them, to Tubal Cain, who lived long before the flood. The metals most known were those which presented themselves the most readily, were the most easily reduced to the metallic state, and were found the nearest to the surface of the earth. Gold and silver were the themselves the most readily, were the most easily reduced to the metallic state, and were found the nearest to the surface of the earth. Gold and silver were the first metals discovered in Spain. Tin, in Cornwall, England, was without doubt the first metal worked in Great Britain, and probably the first article of trade between that country and other nations. This was due probably to the circumstance that tin ore by its weight indicates its properties, is decomposed by a light heat, and that it is found near the surface of the soil. Traces of the old segrebas are found in locations light heat, and that it is found near the surface of the soil. Traces of the old searches are found in locations where the soil could be easily and quickly dug; where it could be readily reached by streams purposely directed upon it, and which, carrying away with them the vegetable earth, left tin ore, retained by its own weight. That method, which was an ingenious improvement on the first works, was again tollowed in certain explorations called stream works, and all evidence shows it to be of the greatest antiquity. Lead was probably mined as early as tin. It is usually tound near the surface. It also presents a metallic Lead was probably mined as early as tin. It is usually tound near the surface. It also presents a metallic aspect, and is easily transformed into metal by a moderate heat. Copper is generally found at a considerable depth, and the proportion of copper in the generality of ores is so small that the art of mining had made material progress before that metal could be extracted from the earth. Having discovered the properties of ores, and the processes of smelting them, the method was then found to extract them from the earth, and follow the veins which contained them. At first this could be easily done where the elevation of method was then found to extract them from the earth, and follow the veins which contained them. At first this could be easily done where the elevation of mountains permitted the miners to work at a height sufficient to enable them to direct the water, and carry on the work of exploration by means of little canals, where the took was not hard enough to resist their imperfect tools or the action of fire, which in many cases produced little effect. From the simplest operations, man has been gradually conducted in the explorations of metals to the most complete and extraordinary exertions. First, it is evident, not only from the probability of things, but also from inspection of the old works of mining in every country, that the metals were at first extracted from broken pieces of ores, which had been by some nuknown cause separated from the veins in which they were deposited. It is thus that gold is obtained by the washing of the sand of rivers, and that tin is found under beds of sand in the valleys of Cornwall and Devonshire, [G. B.] The search for these pieces of ore led naturally to the discovery of the veins in which they were contained, and in digging the soil to procure these pieces the vein was discovered. The first miners, without doubt, proceeded in this way, but the little means they possessed forbade there carrying their works to any considerable distance below the surface. It was only after the application of pumps to exhanst the water that they could go to a certain denth, and works to any considerable distance below the surface. It was only after the application of pumps to exhanst the water that they could go to a certain depth, and later the discovery of powder enabled them to open a road through the hardest rocks. These discoveries formed important epochs in the history of the art of mining, for since man had at his disposition these two powers—powder and pumps—neither rapid streams of water nor the hardest rocks have been obstacles to his subterranean march; and his explorations have extended wherever ore was to be found. The first imextended wherever ore was to be found. The first important epoch in the history of mining dates from the use of powder. It was first used in Hungary or Germany about the year 1620; introduced into England in the oppper mines of Ecton in 1670, by some German miners brought up by Prince Rupert; thence it extended to the Somersetshire mines in 1684, and atterwards to those of Cornwall. It is very probable that it would have been impossible to work mines without this power, and, till it was used, subterraneous operations were very difficult and uncertain. Hammers and sledges were the first instruments used to attack the rock; later, the pickaxe was substituted. Several oak tools have been found in Cornwall, and miners think they were used by Saxons and Danes; but it is prohable they date from an epoch anterior to either of these two nations. When mining is carried to a certain depth, the withdrawal of water cannot be done with simple hand-machines, and hydraulic power must be applied. Primps were erected in wells, and put in motion by water-wheels. It is to the German miners that we are indebted for this invention. The introduction of the steam engine gave to the art of mining a power susceptible of a general application, and man can now penetrate to a depth which was before impossible to reach.—Jour. App. Chem.

Curious Properties of Magnesium Amalgam.

Curious Properties of Magnesium Amalgam.

At a recent meeting of the Chemical Society of London Professor Wanklyn read a paper "On Mag-nesium," detailing some experiments made conjointly by bimself and Mr. E. T. Chapman. The authors found the magnesium ribbon of commerce to be remarkably the magnesium ribbon of commerce to be remarkably pure, which was proved by the quantities of hydrogen evolved during the solution of known weights of the metal in certain diluted acids. The behavior of the metal in resisting the attack of chlorine, bromine, and iodine, was pointed out, and also the very singular properties of the magnesium amadgam, which decomposed water with even greater facility than sodium amadgam.

Professor Abel mentioned an observation of his own

amalgam.

Professor Abel mentioned an observation of his own to the effect that magnesium filings might be fused with nitrate or chlorate of potash without immediately undergoing oxidation, and only at a very high temperature, and long after the oxygen had been freely evolved, dit it seem possible to start the ignition and brilliant combustion of the metal. This tardiness was discovered in attenuity to company metallic magnesium discovered in attempting to employ metallic magnesium for certain pyrotechnic purposes.

WHAT IS SAID OF THE "JOURNAL OF MINING"

BY THE PRESS.

From the N. Y. Eccuring Post, April 4, 1866.

Messrs, Western & Co., 37 Park Row, have begun the publication of the American Journal of Mining.

Mining the Management of Sixteen pages, and the first number is filled with valuable articles. Mr. George F. Dawson, the editor, is an experienced journalist, and a man of great industry and activity in the origination and diffusion of knowledge. We believe there is room for a Mining Journal of a higher seope than we have had, and the present sheet looks as though it would meet the public want.

and the present sheet looks as though it would meet the public want.

A casual remark in an article on drilling by compressed air shows that our countrymen de not always succeed in keeping themselves first among the foremest, even in the introduction of nechanical improvements;

By the introduction of compressed air these outlays can be almost entirely avoided, now that we have a power at hand available as stean for doing our mining work, at points where steam cannot be used. We must seek out and set to work the best machinery for drilling the rock and cutting the coal. More than three years of steady work at the Mount Cenis tunnel, and almost as long in English mines, demonstrates the fact that there are machines to be land which will do good work, and have them we must; if our own countrymen cannot furnish them we must import them or be behind the age. Is it not remarkable that in the department of mining and drilling rocks, few, if any, improvements have been made, while in almost all other branches of industry the advance has been marked and regular [7].

From the N. Y. Express April 3, 1866,

From the N. Y. Express April 3, 1866.

dustry the advance has been marked and regular?"

From the N. V. Express April 3, 1866.

STATE OF MINING.

The AMERICAN JOCKAM OF MINING, a new paper just published, and a recy acceptable one, we should think to the mining interests of the country, says, though the season is dul!

"The gold and silver mines of Nevada, Montana, Idaha, Colorado, Arizona, Oregona, New Mexico, never yielded larger returns. Tuose of California manifested decided symptoms of improvement. The copper product of the great copper region bordering Lake Superior exhibits no decrease; and the coal iron and lead mines of Pennsylvania, Wiscomsin, Illmos, and other States, certainly hold their own. Most encouraging accounts as to the mineral wealth of Virginia, Georgia, and others of our Southern States also esuntinue to come in:

"The petroleum product, in spite of the heavy tax imposed upon crude." Is growing, and when Congress shall have lifted the galling burden from the producers' shoulders, it must become a highly renumerative branch of mineral midstry. The excitement relative to Montana and Idaho does not seem to have been materially affected by the glowing accounts from New Granada, and the more recent reports from the Big Bend mines, in British Columbia, although bearing the imprint of truth, serve but to increase the bent of many adventurous minds to swell the populations of these two favored Terrotories, as by travelling vir san Francisco and Fortland, to either Montana or Idaho, they might vigit light leads the did though the complete mine of travel."

Of the speculative feeling so common and involving heavy losses if

might visit nog user.

Of the speculative feeling so common and involving heavy losses, for its said, and most tridy, we think, that:

'Mining can never, as a rule, be profitably conducted, unless as a legitimate business. But as a business it can, without a doubt, be carried on most remuneratively."

From the Messager Franco-Americain, April 4, 1865.

From the Messager France-Americain, April 4, 1865, [TRANSLATION.]

We have received the first numbers of a scientific journal which has just been established in New York, called the American Jorgana or Minne. The new publication ecucerns itself with the nunes of every kind which enrich the soil of America, from the gold mines of california and of Colorado to the mines of petroleum and coal of Pennsylvania. The discription of the different methods of mining, and of the machinery invented by modern genius, are accompanied by wood cuts drawn with care.

The text is clear and legible to every one. In fine, as far as may be judged by u first and necessarily very rapid examination, the Journal of Mining is destined to be of great utility, not only to engineers but to persons of all rouditions who, having an interest in mining, wish to get a comple rais none of the chances of gain or loss offered by the different speculations.

From the Mining Journal, Pottsville, Pa.

American Journal of Mining, Hournal, Pottsville, Pa.

Mining, Journal, Pottsville, Pa.

American Journal of Mining, Hournal, Pottsville, Pa.

Mining, Journal, Pottsville, Pa.

American Journal of Mining, Hournal, Hournal,

From the N. Y. Atlas, April 14, 1865.

From the N. Y. Atlas, April 14, 1865.

Of Mixing.—We have received the first two mixing promises to Year. From the N. Y. Atlas, April 13, 1000.

American Joenska. Of Mixing.—We have received the first two numbers of a new weekly bearing this title, which promises to supply a much-left want. The rapid development of the mineraresources of this country that has recently taken place, and the great pecuniary interests thus called into existence, have create a necessity for a reliable journal of the kind, to disseminat mining news, and serve as a medium of communication for at concerned in the mining business. This publication is under the chlorial charge of George Francis Dawson, and is issued in an exceptionable style, typographically.

From the Chicago Evening Journal, April 7, 1866.

From the Chicago Evening Journal, April 7, 1866.

A Kew Minixa Journal, —We have received from the publishers, Messis, Western & Co., 37 Park Row. New York city, the initial number of the American Journal of Mining. It is a landsomely printed weekly of sixteen pages, and is illied with viduable articles. Mr. George F. Dawson, the editor, is an experienced journalist, and a man of great industry and activity in the origination and diffusion of knowledge. We believe there is room for a mining journal of a higher scope than we have had, and the present sheet looks as though it would meet the public want. The substription price is \$4 per annum.

From the Scientific American.

From the Scientific American.

American Jordan of Minnot.—This is a neat, well-printed formal, lately started, and devoted, as its title indicates, to mining and kindred matters. It is illustrated and contains full reports of the condition and prospects of the mines in Colorado, California, and other territories. It is published by Western & Co., 3: Park Row, at \$4 a year.

Park Row, at \$4 a year.

From the Reno Times, April 5, 1865.

JOURNAL OF MINING—The first number of a weekly journal to be devoted to mining interests, has been issued by Western & Co. New York, under the able editorial charge of George Francis Dawson. It contains sixteen pages, published in handsome style, and we hope will meet with abundant success.

From the New Yorker Handels-Zeitung.

[FRANSLATED]

The first number of the American Journal of Mining, edited by Mr. George F. Lawson, is before us and we welcome it. We think the Journa I has made its appearance just in the right time.

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To Sant Lake 9½ days,
To Virginia City 13 days,
A treasure and freight express, carried on mail time, in charge of trustworthy and competent messengers, to all of the above named points.
For turther information,
Apply at the office of the Company,
No. 35 Wilham street, corner of Exchange place,
No. 36 Wilham street, corner of Exchange place,
No. 100 HADAY, President.

BEN. HOLLADAY, Desident.
W. S. GURNEE, Vice President.
WM. H. FOGG.
EUGENE KELLY,
S. L. M. BARLIAW,
JOHNE K. RUSSELL, Treasurer.
GEO. K. OTIS, Secretary.

E. REMINGTON & SONS.



REVOLVERS, RIFLES, MUSKETS AND CARBINES,

FOR THE UNITED STATES SERVICE. ALSO

POCKET AND BELT REVOLVERS, REPEATING PISTOLS,

RIFLE CANES, REVOLVING RIFLES,

REMINGTON'S REVOLVERS.

Parties desiring to avail themselves of the late improvements in Pistols, and superior workmanship and form, will find all combined in the new Rennigton Revolvers.

Circulars containing cuts and description of our Arms will be furnished upon application.

E. REMINGTON & SONS, llion, N. Y.

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MOORE & NICHOLS, Agents.
40 Cortland streets, New York.

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Dr. JAMES R. CHILTON & CO.,

Analytical and Consulting Chemist,

No. 489 BROADWAY, NEW YORK

(N W. COR. OF BROOME STREET.)

Analyses and Assays made of Ores of Gold, Silver, Quicksilver. Lead, Copper, Manganeese, Nickel, etc., etc.; Minerals, Alloys, Petroleam, Cummercial Articles, etc

BULLION CONSOLIDATED MINING COMstock, \$300,000

J. P. WHITNEY, Secretary, 19 Lindall Street, Boston.

THE UNITY

Gold Mining Company,

OF COLORADO.

Incorporated under the Laws of the State of New York.

CAPITAL STOCK, - - - \$100,000.

100,000 Shares of \$1 each,

Of which \$50,000 are reserved for working Capital

President.

GEORGE E. COCK, 68 Broadway, New York

Vice-President.

GEORGE R. WEED, Rutland, Vermont.

Treasurer.

ROBERT G. HOYT, 1 Vescy street. New York.

Secretary.

MARQUIS B. SPAULDING, 2 Aster House, Broadway, New York

Superintendent at Mines.

GEORGE A. SAYRE, Central City, Colorado.

Counsel.

AMBROSE MONELL, 54 Wall street, New York

Trustees.

M. R. SPATLHING, of New York, GEORGE E. COCK, of New York, R. G. HOYT, of New York, AMEROSE MONELL, of New York, GEORGE R. WEED, of Vermont, J. Q. A. BEAN, of Boston, WM. TRAIN MUIR, of Colorado.

Office of the Company, No. 2 Astor House, Broadway, N. Y.

The mining property of the Company is situate in the Counties of Clear Creek and Gipin, in Colorado, and comprises Nine Thousand and Fifty Feet of Quartz Lode exains, and Two Tunnel claims. In this property are Ten Discovery claims, centracing Eleven Hundrel Feet of developed Mines—the discovery claim being that point upon the Lode where gold was first found—besides several other claims upon which shafts are sunk, of varying depth. The operations at the mines will, for the present, be confined to the taking out of ore, a demand for which now exists, and will continually increase as new processes of saving gold are improved and perfected. It is not designed to purchase or equip noy mill, at least for the present. The whole means and cacyges of the fompany will be applied to the development of their mines.

The Mines of the Company in Gipin County are situate in the well-known mining districts of Gregory. Nevala, Enreka, Illinois tentral, Rassell, Central, Lake Gulch, Spring Gulch, etc., etc., sixteen hundred feet being upon

QUARTZ HILL.

In the Gilpin County property are included

400	feet on	the							-		King Solomon	Lode	
400	+6		_								Pacific	44	
200	44				-						Excelsion		
200	66			-		-				-	Augusta	*,0	
600	+6				-		-				Ontonagon	+ 6	
200	**										Cox	6.	
600	4.6										Black	64	
100	6.			-							Caledonia	66	
100	66						-				Mackie	4.6	
100	1.6										Lincoln	14	
100	6.										Landon	+6	
100	66									-	Penosylvania.		
100	1.6						-		-		Barnhill	66	
100	1.6		+	-		-		-		-	Grand River	6.6	
100	6.				-		-				Stark County	1.6	0

The Mines of Gilpin County are too well known to require any tended notice. The above-described property, as will be readi-observed, is situate in the best mining districts, and on the ost favored localities in the County.

The Company's Mines in Clear Creek County

are stimate in well-known districts—Trail Run, Union, Jackson, Obio, Griffith, etc. In Trail Run the Company own upon the Coyote, Leavenworth and Louisa—on each 100 feet; Coyote Extension, 200; Cornwall, Colorado and Berkshire—on each 200 feet. Union Bistrict, upon the Bobtail, Northrup Astor, Gook County, etc. In the other districts they own 200 consentive feet on annulper of valuable Lodes. The Mines of Clear Creek County are rich, but not so well developed as those of Gilpin County. In this portion of the property are

Two Tunnel Claims in Union District.

Possessing, as they do, an immense and valuable property—enough for four or five companies—this Company intend to develop it with great vigor, and make every foot of it available. The owners of the property show their faith in this enterprise by receiving their full payment in the stock of the Company, which they agree not osell matth the whole amount of stock reserved to working capital is sold. All of the working capital will be applied to the development of the Company's mines; there are no salaries except that of Superintendent, and no office rent to be paid out of the Company's funds. Work will be commenced at once on the mines.

pant out of the company's mass, work with the commenced at once on the mines.

This enterprise recommends itself. Based upon a sound loundation, managed with skill, and all its operations directed by business ability, it must become a great specess.

The stock reserved for working capital is now offered for sale at par, by order of the Board of Trustees. The purchaser of every share of the stock becomes part owner in all the valuable properties of the Company. No future assessments, and no individual liabilities.

TEXAS

Gold Mining Company, OF COLORADO.

CAPITAL STOCK, - - \$500,000

50,000 Shares of \$10 Each.

Directors:

GEN.																									Yo	rk
WILL	IAM	11.	1.	A	1.	1.1		 																		
WILL.	LAM	E.	P.	AB	1	H							 											-		
JOSEI	11 V	V. 1	10	1.1	14	N											.(1	ol	0	rı	id	0	Ter	rito	ry
JOHN	(1")	VE.	1						Ĺ				Ċ		i	١.						P	h	ilad	elpl	ii

President:

Vice-President:

GEN. WILLIAM T. THOMPSON.

JOSEPH W. HOLMAN

Secretary and Treasurer: . . WILLIAM E. PARISH.

Office, 155 Broadway, New York, Room No. 9.

e property of the Texas Gold Mining Company is located in ity of Black Hawk and its immediate vicinity, Gilpin County. ado, and on the well-known Bob-Tail, Fisk, and other Lodes.

325 feet	on	the	 					 					 				B	ob	.7	ai	1.	
200 feet																						
200 feet	011	the.	 					 		 						.Cl	13	n	ib	ers	٤.	
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200 feet	on	the.	 							 								G	ile	ena	١.	
200 feet.																						

It is useless to repeat to the public the value of the (Bob-Tail and Fisk) Lodes, as every one with the slightest knowledge of tolorado knows their great value, and the large amount of told they have already produced. It is well-known that, with the Lovo process of treating ores, we are safe in saying the Ores from the Bob-Tail and Fisk will yield not less than \$100 per ton.

This Company is organized for the purpose of immediately developing and working the Lodes, and it is proposed to rush the work with the timost reference.

The Directors have every confidence that their efforts will produce, with the facilities already at their command, ratisfactory and speedy results.

COLORADO HAS ALREADY PRODUCED OVER 73,000,000

OF DOLLARS IN GOLD.

Her prospects were never so brilliant as now. Lyon's process of Smetting Ores has succeeded beyond his most sangulae expectations, and the cry duat we cannot save the Gold is forever silenced. Below we give the amount of Gold taken out of the Bolt-Tail

od	e up to January 1st. A. D. 1865:	
	Genotd, Burybardt, Ingails and Unibertson \$250.00	()
	Hurlburt, Holman & Dinton	10
	Crandall, Hall, Patterson, Cook & Willson, 450.00	iO.
	Black Hawk Co., or Lee, Jud & Lee,	10
	Smith, Chaffee & Fields	()
	Sensindetfer & Buckmiller	10

WOOLWORTH & BARTON,

Overland Forwarders to all Points in

Colorado, Utah, Montana and

New Mexico Territories.

GENERAL OFFICES, ST. JOSEPH, Mo., and NEBRASKA CITY,

NEBRASKA

DANIELS & BROWN,

F. E. SHORT,

Agents, Denyer City.

Travelling Agent.

H. R. MURRAY, General Eastern Agent,

291 Broadway, cor. Reade St., New York.

INCRUSTATION OF

STEAM BOILERS.

This greatest of evils to the use of steam is entirely prevented by the " Anti-Licrustable Powder" of

H. Winans, 11 Wall Street, New York.

INVENTED AND INTRODUCED IN 1855.

now ten years in successful operation in over 6,000 boilers, withont injury, and saving many times its cost in fuel and repairs.

A clean boiler generates steam more freely, and will outlast ten

dirty or incrusted ones.

CARD.—Professor H. DUSSANCE, Chemist. lately Ine stock reserved for working capital is now offered for sale at part, by order of the board of Trustees. The purchaser of every share of the stock becomes part owner in all the valuable proper ties of the Company. No future assessments, and no individual inabilities.

Subscription books are open at the Office of the Company, where certificates of mill men who have crushed the ores, specimens and descriptive not'ces of the property, may be seen



THE SPECIFIC REMEDY FOR

CONSUMPTION.

NERVOUS DEBILITY,

And all Disorders of the Lungs, Nervous and Blood Systems.

The success of the Hypophesphites during the past ten years in the Cure of that greatest scourge of the race, Consumons, is "unparalleled in the annals of medicine," The new and thoroughly Scientific Remedy acts with Invariable Efficacy in all stages of tubercular diseases. It relieves the compt, checks the perspirations, subdues the chills and fever, diminishes the expectoration and promotes refreshing sleep, "All the General Symptoms Bisappear with a Rapidity which is really Marvellous." Cire is the rule—Bearn the exception.

Their beneficial effects are equally promet and centrain in all denagements of the Nervous and Bool systems—being unsurpassed as a Nervous Touc, and generator of new and healthy blood whilst for cases of General Beblity, Loss of Strength, Flesh, and Appetide, Hyspepsia, Neuralgia, Paralysis, Chronic Bronchitis, Asthma, Scrofila, Chronic Darribosa, is the most efficacious treatment known. A Fair Trial is a Certain Cure. (Circulars free, Prices; in T-oz, and I-o-Q, bottles, SI and S2 each. Six small or three large bottles for \$5, by express. Soli by all respectable druggists, and at the sole general depet, wholesale and retail, by J. WINCHESTER & CO.,

36 John Street, N. Y.



A PROMPT AND CERTAIN REMEDY FOR

Spermatorrhea, or Seminal Weakness,

Spermatorrhea, or Seminal Weakness, or Involuntary Nightly or Daily Loss, however caused, or however severe; while they will speeddy correct those Morbel Londitions arising from the original disease or from Secret Vie. This specine Fig. is equally smidel to the treatment of every species or Genital or Urhary Irritability, "Lime," or "Brick-dust," deposites in the Urine, "Milk," discharges and Weakness of the Kidneys.

Phoressonat, urmors: "I have used your Specific Pill in many cases of Spermatorrhea with the most perfect specess,"—J. Milrox Saxongs, M. B., L. L. B. "I have used your specific Pills"—B. Kerni, M. D. Price: \$1 per box. Six boxes for \$5, by mail. Address, Price: \$1 per box. Six boxes for \$5, by mail. Address, M. Six Lot. B. WINCHESTER & CO., 36 John Street, N. Y.



AN INFALLIBLE

NEUTRALIZER OF ALL SUPER-

FICIAL POISONS, OR VIROUS.

This is one of the grandest discoveries in medical science of which the present century can boast. It instantly neutralizes, dectroys and renders perfectly harmless every species of poison-ous or infectious virons affecting either the external skin, or the internal mocous membrane.

THE LOCATION, CHARACTER OR NAME

THE LOVATION, CHARACLER OF FRAME

of the disorder is of no importance, so that it can be reached by
Washing, Gargling or Djecting. The GOLDEN TABLET is a
sovereign remedy for Itch, Salt Bleem, Hives, Prickly Heat, and
all other cataneous eruptions; the poison of Oak, Ivy, Samach;
bittes of Venomons Insects; Piles in all their forms; Søre Lips,
søre Eyes, Søre Nipples, Odt Søres, Catarrih, Elecrated Throat,
Diptheria in its first stages; Fennale Weaknesses of every Endin short, for every species of Inflammation or Virulent Evula
teors and Humors of the Internal Muons Membrane, or External
Skin. Johnmunications confidential, and advice gratis.

THE GOLDEN TABLET

THE GOLDERY

is, from its many beneficent uses, Woman's Best Friend, and Man's surest Safegurat. #2" Every adult, of both sexes, will had it noispensable to them, as will be better understood from a perusal of the threnhr, which is sent free to all. Irritation almost instantly allayed in every instance.

Pace: \$1 per Box (str Boxes, \$5, by Mail. Sold only at the General hepet of "WINCHESTER'S HYPOPIDSPHITES (for Consumption and Nervous Debility), by the Sole Agent,

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36 John Street, N. Y.

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ELECTRIC FUSE.

For Oil Wells, Mines, Blasting, Military and Naval War purposes. 124 BLEECKER STREET, NEW YORK,

NEW YORK ROCK DRILL COMPANY.

OFFICE, 137 BROADWAY.

GEN. E. M. BARNUM, PRESIDENT, . . . G. A. GARDNER, SECRETARY.

This company are prepared to fill orders for Drilling Machines for all kinds of Rock work, for outside work, and for Mining. The Machines now offered for sale are:

No. 1 Hand machine for own man, weighing 100 lbs., with 3 drills, complete, \$200 00 No. 5. Machine for vertical, drilling, without engine, to drill holes 4 to 6 inches diameter. No. 2, two 125 00 with timber frame on wheels, &c. 250 00 with timber frame on wheels, &c. 250 00 with timber frame on wheels, &c. 250 00 No. 5. Machine (entirely of iron), drilling at any angle holes 4 to 8 inches diameter, with nominal 4 horse power eagine (on truck, and moved by own engine), \$2,500 to 3,000 00

These are the only machines that have done regular work in this Country, and are the most Simple. Compact and Economical. We invite the closest scrutiny. A full sized Mining Brill can be seen daily, drilling into a block of Bockport (Mass.) Granite, the hardest Granite known, at the Machine Shop of STERLING & KERR. No. 344 and 356 West 24th street. West of 10th avenue.

GARDNER'S PATENT ROCK DRILLING MACHINE FOR MINING PURPOSES.

DRIVEN BY STEAM OR COMPRESSED AIR.

G. A. GARDNER, PATENTEE, NEW YORK.

Certificate.

New York, March 25, 1866.

Mr. G. A. Garder, See'y N. Y.
Rock Drill Co.:

Sire—After witnessing the operation of your Rock Drilling Engines
on several occasions.

I am satisfied that they are capable
of boring much faster than by
naxin many kind of rock, and will
operate with about equal efficiency
at any angle in a vertical or horizontal plane; that they can work
in conlined spaces, such as shatts
and drifts of mines, railroad tunnels, etc., etc.; that several drills
can be used where only one could
be operated by hand labor. These
Machines may be driven by compressed air. It appears to me
ingibly probable that the time
required to open mines by machinery may not be more than onefourth of that which is now required.

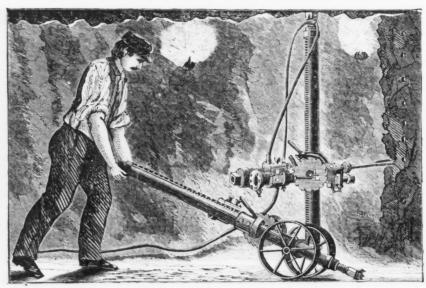
The advantages resulting from
such a reduction of the time can

fourth of that grant of the day antages resulting from such a reduction of the time can hardly be over estimated.

Very respectfully.

GEO. D. EMERSON, Mine Engineer.

Late of Lake Superior, Mich.



Certificate.

No. 95 Liberty street, New York, March 23, 1866. Mr. G. A. Gardner, Secretary N Y. Rock Drill Co.

DER G. A. GARDNER, Secretary N. Y. Rock Drill Co.

DEAR Su: Respecting the "Gardner brill," I would say, we used it with perfect success on the Niagara Falls Canal. When we list worked it, we drilled in the solid limestone, holes of the diameter of six inches, at the rate of eighteen inches deep, in twenty minutes.

We used it for several months on the regular work, and found it more economical and effective than any other drill we have ever used. The rock is the hardest kind of blue limestone, with occasional boulders of quartz imbedded in it. You are at liberty to refer parties to me who may desire more particulars.

S. M. ALEN.

S. M. ALLEN. Late President of Niagara Falls later Power Company

This cut represents a section of a mining tunnel, or drift, 6x4½ feet, with two Brilling Engines; one driven by compressed air, drilling herizontal holes, the other being moved by the Engineer to its position on a pair of wheels temperarily attached to its supporting column; three of these columns, with two machines on each, may be worked in a drift of this size, producing as much working effect as tully sevently five men. A drift of this size through solid rock (Grainte for example) can be thus driven to lineal feet every 24 hours.

These machines are very compact, measuring—independent of supporting column, etc.—30 inches in length by 12 inches breadth and depth, and weighing only 250 lbs. One man can move and adjust them to the work. The supporting column is held firmly in place by setting out the back-screw, thus braxing it between the top and bottom of tunnel, or the sides of shaft, and the machines are raised and lowered by a gear working in the tack on side of column, while the attachments to the column form a universal joint and allow the machines to work at any angle. They are automatic; one engineer an attend to a gaing of four or six, working on the same face. Six of them can be worked in a healting four and a lint by six feet; and in a shart six by twelve feet, eight of them can be worked at once. In a railroad, or other large tunnel, an increased number of machines can be operated, being supported and moved upon a carriage running on rails. The blow is struck by the carriage projected by the reactive force of an india rubber spring, against the rock, the drill being as free from the working machinery at the instant of straking, as an arrow shoft from a bow; 300 blows per minute can be given with the numest lore the steel-frill point can bear. The cross-lead to which the drill is attached is drawn book; (thus compressing the spring) by a can rotated directly by the piston rol of an oscillating eyidation, according to the varying hardwork and administration work of the proposition of the proposition

PROSPECTUS

Betroleum Fire-Proof Fron Tank Storage Company,

ORGANIZED BY SPECIAL ACT OF THE LEGISLATURE OF THE STATE OF NEW YORK.

APPROVED BY THE GOVERNOR, APRIL 11th, 1866.

ORGANIZATION.

President, L. S. WATKINS.

Secretary, S. E. MARVIN.

General G.

Treasurer, GEO. S. BATCHELLER.

General Superintendent, Hon. ADAM W. KLINE.

Executive Committee: President, L. S. WATKINS; Vice-President, J. C. CARY; Superintendent, ADAM W. KLINE.

The object of the above named corporation is to secure the construction of Iron Tanks, made from boiler iron, rivited, with covers, and to be air tight.

These tanks will be located at Titusville and other points in the Oil Regions, near the railroads, where the pap's, conducting oil from wells, torsimals. The Company will also entore and insure the same against fire or flood. The business will also embrace the purchase of oil on their own account at certain stages of the market and hold the same for an advance, relying apon the security of the tanks for its preservation, until the price will warrant its disposal. Persons have never engaged in this trade on account of the insecurity is storing oil in wooden tanks. The bowner oil tompany have several of these iron tanks at their Refinery in Corry, and by their use are enabled to take advantage of the market in the summer sensen and provide their supply for the winter. The established reputation of Mr. L. S. Wartsus, the President of the tompany, as one of the eddest and most successful operators in the old trade, is a security to stockholders of the success of this organization.

The Capital Stock of the Company is five hundred thousand dollars (\$500,000), divided into five thousand shares of one hundred dollars each.

A limited amount of the above stock will, for the present, he sold at the rate of thirty-live dollars per share.

Persons desiring to secure any of said stock on above terms, can address Gen. G. S. Barcustler, Treasurer, Room. 5, No. 541 Broadway, New York City, or to his address at Albany, N. Y., or the same may be procured of any other officer of the Company.

REFERENCES.

The Company respectfully refer the public to the following gentlemen as to the general character of this enterprise, and the integrity and character of the officers:

His EXCELLENCY R. E. FENTON, Governor of New York.

His Honor THOS. G. ALVORD, Lieutenant-Governor of New York.

His Honor THOS. G. ALVORD, Lieutenant-Governor of New York.

Hon. JAMES M. COOK, (Late M. C.), Poughkeepsie, New York.

Hon. JAMES M. COOK, (Late M. C.), Albany, New York.

Ron. CLARK B. COCHRANE (Late Mt. C.), Albany, New York.

ALEX. W. HARVEY (Judge Adv. Gen., S. N. Y.), Buffalo, New York.

ALEX. W. HARVEY (Judge Adv. Gen., S. N. Y.), Buffalo, New York.