NEW YORK, OCTOBER 24, 1868.

MACHINE TUNNELLING.

In a late number of the Journal or Mining we gave expression to the idea that before long there would be a substantial cheapening of the process of cutting tunnels, adits, etc., in mining operations, thereby rendering it possible to work mineral veins that must otherwise go undeveloped. We alluded, moreover, to the fact that by the use of machine drills in the cutting of the Mont Cenis tunnel the cost was only about one-third what it would otherwise have been, and a commencement was made with the present works. that in the case of the construction of the Hoosac tunnel it cost only \$8.00 to remove a cubic yard of rock, while by the We make no doubt that ere long machine drills of a smaller

by the summit line is far greater than that which will be in the event of a large influx of water taking place; but taken up by traversing the tunnel when the latter is con

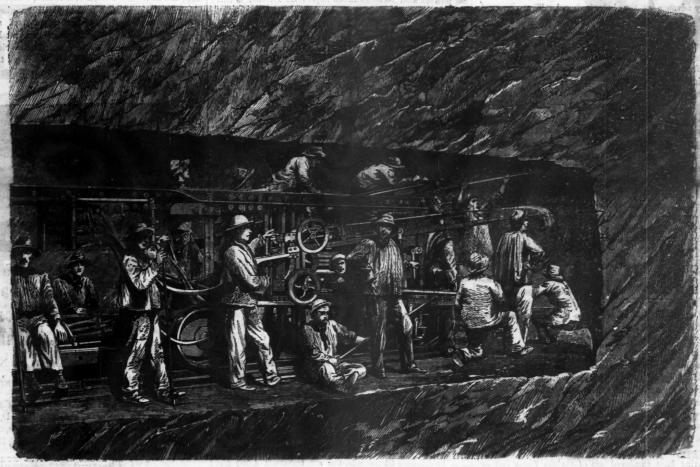
Engineering, Geology, Mineralogy, Metallurgy, Chemistry, etc.

It is now sixteen years since, in 1852, the Chevalier Maus proposed to construct the Mont Cenis tunnel by means of a therefore, have been as readily constructed with an uniform machine of his invention, which he estimated as capable of gradient throughout, falling from the southern to the northboring a mile and a half per annum. It is almost needless ern side. This, however, could not have been foreseen when to say that such expectations were never realized, and the the works were commenced, and the adoption of a falling whole scheme was abandoned until the autumn of 1857, when gradient towards the southern end may even yet prove to be

traverse Mont Cenis, does not really do so, but passes some quartz, and compact limestone, and hitherto the points at ordinary methods of hand drilling the outlay was \$28.00. distance to the west of that summit, the highest point of the which the various strata have been found to comm mountain chain directly over the line of the tunnel being terminate have agreed very closely with the positions assign-

hitherto no such event has occurred, nor from the experience already gained of the nature of the material passed through, does it appear likely that it will occur, and the tunnel might, a useful precaution.

The Mont Cenis tunnel, although commonly supposed to The materials to be traversed by the tunnel are schist,



BORING THE MONT CENIS TUNNEL.

engineering work at present in progress, and it is, moreover, conveniently commenced at a less elevation than 1,335.38 the French side is now being carried on at the rate during the By its ient or m Italy, and a continuous railway communication, without break two ends of the tunnel is thus 132.56 metres, or 435 feet, and 3,008 yards, and that between the point where it terminates and Italian lines; but this, although affording far better accommodation than the old diligences, is still open to the objection of causing a break of guage with all its attendant

pattern will be at work cutting the galleries and adits of our about 9,700 feet above the level of the sea, while Mont Cenis ed to them by the geological surveyors. Commencing from The accompanying illustration of the rises to upwards of 11,400 feet above that level. The tunnel the French end, the schist was found to extend for a distance Mont Cenis machine will give our readers an excellent idea is being constructed in a straight line from Forneaux, a village of 2,346 yards, and this was bored through at the average rate of these drills and the manner of working them. The fol- in the valley of the Arc, about one and a half miles from of 1.26 metres, or rather more than 4 feet per day, a small lewing interesting account is compiled from our English and Modane, on the French side, to Bardonnèche on the Italian portion of this length having been excavated by hand labor With the single exception of the Suez Canal, the Mont 12,200 metres, or about 7 miles 1,020 yards. At Bardonnèche was traversed at the rate of scarcely 2 feet per day; and this Cenis tunnel may probably be considered to be the grandest the nature of the ground did not allow of the tunnel being was followed by the compact limestone in which the work on undoubtedly the boldest work of its kind which has ever metres, or 4,381 feet above the sea level, while at Forneaux the month of April last of 2.08 metres, or about 6 feet 10 inches de at a point 1,202.82 metres, or 3,946 completion the railways of France will be united to those of feet above the same datum. The difference of level at the is expected that the limestone will extend for a thickness of of guage, will be established between Calais and Brindisi, a the difference of level alone would have necessitated a gra- and Bardonneche, nothing but schist will be met with. So distance of 1,390 miles. Considering the growing importance dient of about 1 in 92 throughout its length. It having been far the workings from the Italian end have been made in of the latter port as a point of departure for the Eastern expected, however, that during the execution of the work a schist only, and during the month of April last they were mail steamers, the value of such a system of unbroken com- considerable quantity of water would be met with, it was carried on at the rate of 1.55 metres, or a little over 5 feet munication can scarcely be overrated. At present the Mont deemed advisable to construct the tunnel with a rising gra-Cenis Railway forms the connecting link between the French | dient of 1 in 2,000 from the Bardonnèche end, this gradient being met near the middle of the length of the tunnel by a iron pipes from the buildings containing the air compressing gradient of 22.2 per 1,000, or about 1 in 46, rising from For- machinery to the engineering workshops, and thence to the neaux. The fall of 1 in 2,000 towards the Italian entrance evils, and, moreover, the time occupied in crossing the Alps was, of course, intended to give good drainage to the works above the level of the air-compressing machinery, but con

side of the mountain, the total distance to be traversed being alone. Next to the schist came 550 yards of quartz, which

At Forneaux the compressed air is led through lines of cast tunnel itself. The workshops are situated on the hill side

siderably below that of the mouth of the tunnel. They are fitted with good plant of ordinary engineer's tools, most of them made by English makers, and in the smiths' shops there is a 12-cwt. hammer, which is worked by compressed air. The machinery in the workshops is ordinarily driven by a turbine, which is sunk 9 metres, or 28 feet 8 inches below the floor of the machine shop; but in winter, when the supply of the water for the turbine is stopped by the frosts, the shafting is driven by an engine worked by the compressed air. The torrent of the Arc, from which the water power for working the air-compressing machinery is obtained, is, we may mention here, never frezen even in the most severe

The general appearance of the machines will be seen from the perspective view. The frame of each machine is formed by a pair of bars about 6 feet 6 inches long, these bars having it is clear that there is a line somewhere, at which the latplaced between them the 3 inch cylinder by the piston of which the boring tool is actuated. The cylinder is not fixed to the frame bars, but is capable of sliding on them, motion being given to it by a large worm at its hind end, which gears into racks formed on the inner sides of the frame bars. The cylinder is 3 inches in diameter, and its piston has a rod about 2 inches in diameter, there being thus but a comparatively small annular area on the front of the piston on which the air continually presses. At the hind end of the frame bars of the machine is placed a kind of miniature horizontal engine worked by the compressed air; this engine driving, through a bevel gear, a square shaft which extends nearly the whole length of the machine above the boring cylinder. This shaft carries a cam which gives the necessary motion to the slide valve which governs the admission of the air to and its release from the boring cylinder; and from the same shaft the intermittent rotary motion is given to the tool, and also the necessary advance as the hole is bored. The manner in which the advance of the tool, or rather of the cylinder, is regulated, is as follows: The cylinder is free to slide tongitndinally on the frame bars, these bars having on their inner slides racks into which a worm, carried on a spindle projecting from the hind end of the cylinder, gears. On this same spindle there is a clutch, which is driven by gearing connected to the square shaft already mentioned, and when this clutch is in gear with the worm, the cylinder is advanced along the frame towards the face of the rock. As, however, the rock is of unequal hardness, the rate of the advance is made dependent upon the rate at which the borer penetrates, In the following manner: The clutch by which the worm is driven is embraced by a fork formed on a bar which extends power in daily use will be available after an explos on, is forward past the boring cylinder, and which has at its front end a finger, which is bent so as to catch on ratchet teeth formed on the tops of the frame bars. Supposing the clutch to be in gear, and the machine to be at work, the cylinder will be gradually advanced along the frame bars; but the clutch being held by the bar just mentioned, and the front end of experiment, made by Mr. Wood, at Hetton, will show the this bar abutting against one of the ratchet teeth cannot fol- best. low the cylinder, and consequently after the worm has made a couple of turns or so, the clutch is worked out of gear and the cylinder becomes stationary. As the boring goes on, however, the piston makes a longer and longer stroke ont of the cylinder, and eventually a projection on its end raises the front end of the finger bar out of gear with the ratchet tooth, against which it abuts.

As soon as this takes place a spring behind the clutch forces the latter forward into gear with the worm, and the advance of the cylinder again goes on until, the end of the finger bar coming against the next tooth, the forward motion out of gear. Each boring machine weighs about 6 cwt., and in two minutes and three seconds. At 3 hours 56 uninutes chines in reserve for each one at work.

ducing any disruptive effect on the rock, and the plan was and a inch holes are of similar form to smalle

A new atmospheric break for railways, invented by Chas. Kendall, has been successully tried in England. It acts as a simultaneous as well as instantaneous break upon all the wheels of the train. Its great advantage is that the driver and guard have it equally under command, so that if the first should perceive imminent danger shead he can apply the break himself instead of losing time by signalling. A part of the contrivance consists of a means of communication between driver and guard running through all the carriages, so as to be accessible also to passegare. The first stop was made on an incline of one in one hundred, while the train was going in rys-free miles an hour; and the space in which the engine driver managed to pull up was three hundred and twenty-three yards. The second stop was on a level, when the progress of the train at forty all. The second stop was on a level, when the progress of the train at forty all. The second stop was decked and brought to a stand-still in two hundred and twenty-yiands. In the third trial the engine driver's practice began to tell, as he succeeded in stopping within two hundred yards, the speed then being fifty miles an hour, and the place an incline if one in one hundred.

Practical Tetters.

[[WRITTEN FOR THE AMERICAN JOURNAL OF MINING.]

ON THE VENTILATION OF COAL MINES—NO. XIII.

BY J. W. HARDEN, M. E.

RELATIVE VALUE OF POWER USED.

But we are reminded that there is a limit to the power of the furnace, and an economical limit in its working. In practice—and then only on extraordinary occasionseither limit is seldom attained. The power increasing in arithmetical ratio with the temperature, and the resistance to it in a geometrical ratio to the velocity of the air, ter will reach the former when the limit of the power of the furnace is arrived at. Of its economical limit, there have been tables of calculations published by mathematical authors, an extract from oue of which your coutributor has given; but I will put the matter in a practical

On page 98 I have told you that the every-day working of the Hetton Colliery, before the experiments alluded to, was 170,000 cubic feet of air per minute, calculated at a cost of one pound of coal for each 13,676 feet of air; and we have seen, by the experiments made, that 225,176 feet of air per minute was obtained at a cost of one pound of coal for each 11,940 feet; the increased consumption of coal being in the ratio of 51 per cent. to 32 1-2 per cent. increase in the quantity of air circulated, leaving a large margin for favorable comparison with any of the mechanical powers said to be so much superior. Neither is there a limit said to apply to the furnace that does not equally apply to any one of those powers. Moreover, your contributor tells us that "when most required after accidents"-explosions, I take him to mean-" the furnace is capable of a very slight increase in its work." If in its daily work it is necessary, in a given case, to urge it to the extent of its power, no more can be obtained from it. Just so with any other machine. But it would hardly be consistent with good management in its adaptation to limit it to that necessity. Of its capacity of increased work, when constructed to meet such necessity, we have just cited a case; but in assuming that any ventilating to make an assumption on very uncertain grounds. Yet a well built furnace will be likely to suffer us little under such circumstances as any other power applied, and of the rapidity with which the current can be set in motion by it and made to reach its maximum velocity, the following

The furnace and boiler fires being extinguished, they were allowed to remain so until the temperature of the upcast shaft was reduced to 74°, when the quantity of air passing through the workings was 80,182 cubic feet per minute. (Here, in passing, let me remark the great difference between these figures and those of from 100,000 to 127,000, given by your contributor as being the amount of air due to the natural ventilation of this pit.) The fires having been built up of old tar barrels and such like quickly combustible material, at 3 hours, 48 minutes and 47 seconds, time was noted. At 8 hours 50 minutes the of the clutch is again arrested until it gradually works itself anemometer showed that the air had traversed 1,000 feet as the wear and tear to which they are exposed is very se- 55 seconds, the air had traversed 4,000 feet in eight minvere, it is found necessary to keep from three to four ma- ntes and three seconds. This was before the fires were lighted. At 4 hours 3 minutes fire was applied, and at 4 The boring bars employed are of various forms and of hours 12 minutes 55 seconds, the air traversed 4,000 feet various diameters. The Z and double Z or crown borers are in 4 minutes 3 seconds, so that in 9 minutes 55 seconds those most used, but for some kinds of rock other forms are after the furnace had been lighted, the velocity of the air found preferable. The holes generally bored are about one had been nearly doubled-namely, 4,000 feet in 4 minutes and a quarter inches in diameter, but some are much larger. In 3 seconds, instead of 8 minutes 3 seconds. At 4 hours 16 working through some of the very hard quartz it was found minutes 46 seconds, the velocity amounted to 4,000 feet in that the shots flew back from the ordinary holes without pro- 3 minutes 48 seconds, and at 4 hours 20 minutes 30 1-2 seconds, it amounted to 4,000 feet in 3 minutes 34 sectherefore adopted of first boring several holes 4 inches or 5 onds. So that in 17 1-2 minutes after the fires had been inches in diameter and then disposing some ordinary holes lighted, the velocity of the air had increased from that of around these. When the charges in the ordinary holes were 4,000 feet in 8 minutes 3 seconds, to 4,000 feet in 3 minutes fired the portions of the rock between them and the central 34 seconds. The above shows the very great facility with hole were blown out, and a cavity thus formed around which which the air can be set in motion and increased in a other shot holes were bored. The borers used for the 4 inch mine, and that, too, from the remotest corner of a pit, with of roads and air-courses more than 97 miles like them, they are worked by the boring machines, but at a how much your contributor is mistaken in the value of H, in the point, n; then, from the point, n, with the radius the furnace properly applied. The water-gauge showed of the chord of forty-five degrees, intersect this arc in the the great increased resistance under which the quantity point, K, and join G, K. The angle, K, G, H, is an angle of air was doubled. Before the furnaces were lighted, it of forty-five degrees, as required. stood at .45 of an inch; in 17 1-2 minutes afterwards, it stood at 1.75 inches—the resistance having increased from 2,34 lbs. on the square foot, to 9.10 lbs. It showed, also, with what great rapidity, in case of an emergency, the increase of heat in the shaft will more than double the quantity of air, and quadruple the power. Add to the above the weight of the increased volume of air generated and lifted by the furnace, the impactive resistance of the along the edge of one side and of both ends. The figures are

air occasioned by increased velocity, and the power of inertia exercised by 39,600 feet of shaft surface-none of which the water-guage at the bottom gives any account of, and which, in measuring the drag on the fan, is included in all the examples given-and we get a resistance equal to 21.64 lbs. on the square foot, or 8.64 lbs. higher than the furnace is said by your contributor "never" to exceed. Reduce that due to the 74° of temperature, at which the shaft stood when the experiment was commenced, namely, 2.34 lbs. per square foot, and we have 199,254 cubic feet of air, with a drag upon it of 19.30 lbs. per square foot, lifted out of the shaft at a velocity of 1.294 feet per minute, or 116.54 horse power utilized, and this power is, too, accumulated in the short space of 17 1-2 minutes,

[WRITTEN FOR THE AMERICAN JOURNAL OF MININO.] LESSONS ON MECHANICAL DRAWING.-No. XV.

BY T. P. PEMBERTON.

Scales (Continuel.)

There are certain scales of proportions, which serve commonly for geometrical calculation or illustration, and are, generally speaking, more valuable for educational than for practical purposes. To describe them fully would occupy space beyond my limit, and would be superfluous, as the subject has been completely studied and written upon a century past, and retailed and detailed in every diversity of form. I will, however, speak of some of the principal lines upon mathematical scales. On the plain scale or Rectangular Protractor, which is generally made of ivory, and is 6 inches long, can be noticed a series of divisions, marked "CHO," or Line of Chords. This is used to protract angles. It is, perhaps, the most useful of what are termed mathematical scales. The student will remember that a chord is a straight line joining the ends of an arc; it divides a circle into two unequal parts, called segments, and is a chord to them both. The scale of chords is constructed in the following manner, as shown in Fig. 1.



At the point, C, crect the perpendicular, C; D, and then from the point, C, with the radius, C, E, describe the arc, E, D. The arc, E, D, contains 90 degrees; and consequently, by dividing this arc into nine equal parts, each of these parts will contain ten degrees. From this point, E, to the several points of the division in the arc, E, D, draw straight lines, which lines will be the chords of the several measures. To transfer these chords to the scale: From the point, E, as a center, with the radius, E, g, which is the chord of the first ten degrees, describe an arc to the edge of the scale, from which draw a short vertical line, and mark it with the number ten; proceed in like manner with the chord, E, f, and mark it twenty on the scale, and so on to E, D, which will be ninety on the scale. E, ninety, is, therefore, the chord of a quadrant whose radius is equal to C, D, or C, E.

TO CONSTRUCT AN ANGLE OF A GIVEN NUMBER OF



Let G, H, (Fig. 2) be a straight line upon which the required angle is to be constructed, and let it be an angle of forty-five degrees. From the point, G, with a radius equal to the chord of sixty degrees, describe an arc, cutting the given line, G,

To measure an angle by means of the scale of chords, an arc must be described from its vertex with a radius equal to the chord of sixty degrees, and the chord of the intercepted arc applied from the point, E, to the scale, which will give the number of degrees in the angle.

On the Plain Scale, or Rectangular Protractor is also found a protracted line, which is divided into degrees, and is carried tractor.

in two lines, and read from 0 to 180, proceeding from the base or centre line both to the right and left, thus bringing the two 90° to the centre of the protractor. Upon the base a line is drawn, the outer end of which is the centre from which all the angles are set off. The inequality of the degrees at the edge, and the shrinkage of material after division render this, as a protractor, unfit for exact purposes; the principal use made of it is for sketching perpendiculars, which is done by placing the centre and 90° on a horizontal line, and drawing the perpendicular or vertical line by the base; for this purpose, however, it is less expeditious than the straight edge and set-square. Although the rectangular protractor is generally supplied in cases of drawing instruments, it is now seldom used, except in schools, and occasionally by architects, who have little use for any kind of pro-

Natural Wells in Slate Quarries.

A Poultney (Vt.) correspondent of the Albany Express writes:-"In excavating the Tucker, Crawford & Knapp quarries a phenomenon is presented which has excited the interest of geologists as well as lovers of the marvelous After blasting and excavating many feet deep, the workmen have frequently come to a smooth, flat or table rock; when this flat rock was removed, wells, or what the miners call 'pot-holes,' were discovered. Some of these wells were found to be from fifteen, twenty to forty feet in depth, and from six to eight, ten and fifteen feet in circumference. These wells are perfectly round, and as smooth as though they had been bored out. They were filled with round stone, ranging in size from a cannon-ball to a grape-shot, and so on down to bullets and marbles—most of the wells being entirely dry. This phenomenon is supposed to have been produced by currents of water being forced through the crevices of the rocks above, taking up particles of gravel, and depositing them wherever an opening occurred, and then coming down with such great velocity as to form eddies or whirlpools, taking up, revolving round and round—for no telling how many ages—those particles, which continued to increase in size till the well becomes filled, and the water creates another opening. Many of these wells can now be seen, and are daily visited by the curious, who take away with them any quantity of the pebbles taken from these wells. Geologists will find in these quarries, which extend for many miles on either side of the valley, ample material for study and experiment."

Coal and Iron Statistics of Great Britain.

The mineral statistics of Great Britain for the year 1867. The mineral statistics of Great britain for the year 1804, have just been published, and from them we derive many valuable facts and figures relating to the production of coal and iron in that country. The quantity of coal mined exceeded that of any preceding year, amounting to 104,500,480 tons, valued at £26,125,145. Of this quantity England produces 78,785,987 tons, Wales 11,463,550 tons, Scotland 14,-125,948 tons, and Ireland 125,000 tons. Of this coal, 9,761,-827 tons were exported, leaving over ninety-five million tons

for home consumption.

The production of iron ore was also unusually heavy, amounting to the immense total of 10,021,058 tons, valued at £3,210,098. The locality of its production was as fol-

E	ngland.				 									8,169,244	tons.
V	vales									۰,				545,298	tons.
8	cotland													1,264,500	tons.
L	eland	- *												42 016	tons

The make of pig-iron from this ore, and some compara-

tively small quantities impor	0 HEART	as follo	WS:		1
EN	GLAND.			Daniel Control	8
Counties.	No. of Ironworks	built in	Furn'e's	Pig-iron	
The control of the state of the state	active.	Dist.	blast.	made.	1
Northumberland	[2	18 -	3	31,027	1
Durliam	11	71	39	477,834	1
Yorkshire-North Riding	14	67	501	640,892	
Yorkshire-West Riding	12	36	25	109,002	1
Derbyshire		43	30	160,028	1
Lancashire		25	19	318,801	
Cumberlaud		18	8 3-5	109,839	1
Shropshire		29	22	123,604	
North Staffordshire		35	23	202,332	
South Staffordshire		177	914	515,638	ı
Northampton		9	5	25,184	ı
		6	5		ì
Lincolnshire		-		25,579	ı
Glonecstershire, Wiltshire and	1 / 3	10	6		١
Somersetshire	1 0	4	3	} 71,186	1
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10/8/01	dottod				1
Total	138	550	331 -5	32,810,946	ı
The Ast of the San Market Land Co.	VALES.				١
North Wales-Denbiglishire.		9	5	32,843	Į
South Wales-Anthracite fur		25	11	35,506	1
Bltuminons Districts.			**	00,000	١
Glamorganshire	13	76	49	403,050	1
Brecknockshlre		15	5		1
		71	50	29,443	
Monmouthshire	13	-11	30	418,325	1
Total	35	196	120	919,077	1
SC(TLAND.			Lancial L	1
Ayrshire	8	45	34		1
Lanarkshire		96	69		1
Flfeshire		13	3		1
Linlithgowshire		74	2		1
Stirlingshire		7	5	• • • • •	1
Haddingtonshire		6.43	3 1		
Argyleshire		1	0		
Aigjieshire		-			
Total	30	167	112	1,031,000	ı
Total, England			Tons, 2.	810,946	
Total, Wales				919,077	
Total, Scotland		arms)		031,000	
20101, 200110000000000000000000000000000	1010 100		Hilly po	302,000	
Grand total			66 A	761,023	
Giana comi			27	101,000	

Mining Summary.

GOLD AND SILVER.

Nevada.

LATEST NEWS FROM WHITE PINE DISTRICT.

We take the following account from the Anstin Reville, October S. It says:—"The district of White Pine still continues to be the chief attractive point of the 'Great East,' to which the attention of all is directed, and from which most glowing accounts of marvellous discoveries of silver ore constantly emanate. From those who have recently visited this most wonderful region and whose observance of the condition of affairs there enable them to speak understandingly, we are led into a belief that another year will witness upon that spot a city second to none in the State. At present there are three towns, or hamlets, in the district, named respectively Hamilton, Treasure City and Shermantown. These each number in houses about equal, but the mantown. These each number in houses about equal, but the village of Treasnre City (why do the inhabitants not leave the 'City' off, and if need be subjoin 'town'—Treasurctown—for a tail to the name of their place) in inhabitants double either of the others, owing to the fact that it is situated immediately upon the spot whence the rich ore is being taken and is packed and hauled to mill, where a major portion of the miners are compelled to live and where the great bulk of incidental are compelled to live, and where the great bulk of incidental busi css and the retail trade attendant upon mining must always be carried on. It is located upon a high, bald and black-looking hill nearly midway between its neighbors—Hamilton northward, Shermantown southward—both of which places it towers above many hundreds of feet. Though it is compelled to draw its supply of water from these two places, there being none there, and quite likely never will be even in the deepest shaft, Treasnre City will in spite of all disadvantages doubtless he the great town or city of the district, unless in this single instance an exception should be appear to be made in the history of this community as eity of the district, unless in this single instance an exception should happen to he made in the history of this community as compared with that of all kindred places. It already numbers many stores, restaurants, shops, and as usual, scores of the, in an American frontier town, ever present and almost indispensable saloons or whisky shops. And of all these, more are each day being erected, while all seem alike to thrive and flonrish. A banking house will soon be established there by Mr. M. W. Kales, formerly of the First National Bank of this city. It is scarcely possible to do justice to the mines of Treasure Hill, and at this time we will not attempt their description. One alone at this time we will not attempt their description. One alone—the Eberhardt, owned by Captain Frank Drake, Spronl, Applegarth and Crawford—is producing immense quantities of ore, the second class of which hy mill process, and which class is at present alone worked, yields a sum exceeding \$1,000 per ton! Considerable quantities of this has already been reduced, and none as yet has been worked which has not greatly exceeded that sum. The first-class, of which there is an amount in sight at the mine beyond calculation, will produce from \$10,000 to \$12,000 per ton! One small pile of dirty-looking matter is shown to the visitor. It could easily be piled upon an ordinary-sized wagon, and yet at this time we will not attempt their description. One alor It could easily he piled upon an ordinary sized wagon, and yet one is told that its value in gold coin is near \$100,000. A close observation shows it to be horn silver, mixed with a little sillea, and were one not inclined to believe before that it was of such such ore as this comes from the body of a vein thoroughly explored to a depth of about seventy feet, more than one hundred feet in width, and with smooth and solid walls eneasing it upon either side! Such, in brief, are the Keystone and Eberhardt both upon one veln—showing without doubt the most remarka-ble and by far the greatest body of chloride ore ever yet discov-ered in this or any other country upon the globe. More thun one hundred miners are constantly at work upon the Eberhardt, while all around in close proximity are numerous parties of min-ers delving for treasures, which they seem to find a few feet below the surface in veins of lesser magnitude, and whose constantly exploding blasts make it exceedingly lively as well us dangerous for those visiting and working in the locality. At Hamilton there is a plentiful supply of water, and there is a magnificent tenstamp quartz mill now in course of creetion by Mr. Jeremiah Miller. Just at the lower suburb, Mr. Hendrie has also recently creeted his saw mill, which is now manufacturing lumber rapidly, and which commands ready sale at \$90 per thousand. Here also and which commands ready safe at \$20 per thousand. Here also are many good stores, restaurants, dwelling houses, etc. It is at one of the former places that the jolly countenance of Red Wheeler can be seen presiding at a bar in one corner, always ready with a "smile" for every body. Hamilton must of necessity become a place of considerable importance, being the point of arrival and departure of all the stages, etc. A good graded wagon road for a distance of two miles connects the place with the city upon the hill. Shermantown, southward on the hill, presents the scene of greater bustle and activity than Hamilton there being more building just now. Page's ten-stamp mill is located here, and there are also several smelting furnaces in progress—these latter for reducing the argentiferous galena, which is found in such abundance upou the hills adjacent. This hranch of business will probably rank as one of the first importance in the district ultimately. Page's mill raised steam for the first time last Tuesday, and for a while made the hills re-echo the sound of its shrill and welcome whistle. Here are situated also two saw mills—those of Sanford Hall and A. H. Rutherford—both as buyer as they can be kept he amplying building material. both as busy as they can be kept in supplying building material at \$100 per thousand. The trees suitable for lumber are mostly fir, of good size, though upon the higher mountains in which they are located, grow many magnificent pines. Howell's mill, situated upon the same range of mountains, sixty miles south, also furnishes its modicum of lumber for buildings of White Pine District. Shermantown is more abundantly supplied with fuel than either of its neighbors, excellent water is abundant; its citizens are fully as enterprising as those of the other towns, by which it is counceted by good graded roads, and it, too, must hecome an important place in the district; a fine graded road also connects the place with the valley upon the west. Pack trains are now delivering ore at Page's mill from the Eberhardt and other mines, and soon, the stranger, as he approaches Shermantown will be greeted by the clattering stamps, and at Tom Luther's assay office and smelting works, now ready for husiness, can feast his eyes upon great piles of bright silver bars, produced from richer ore, with less labor, and more rapidly than at any other region in the world."

of basin npon the side of the hill. It is a deposit of broken quartz and dirt resting above the regular lead, and there is apparently an almost inexhaustible supply of the same in the hill, the deposit being some 60 feet in depth and of an unknown horzontal extent. Some of the jokers about town say that the reason this last clear-up paid better than former ones is because Mr. Apple, the Superlutendent, put more plue stumps and sage brush through his batteries than before. It will be remembered that in early times a process was in use in this State for the working of silver ores that was known as the 'Sage Brush Process.' Perin early times a process was in use in this State for the working of silver ores that was known as the 'Sage Brush Process.' Pei-haps Mr. Apple has taken an extension on the original process, adding plue stumps on account of some hidden virtue they may contain. Who knows but the whole of Cedar Hill may yet be run through the batteries of quartz mills built upon the same plan as that of the Sierra Nevada Company?".... The annual report of the Yellow Jacket Company shows that their total receipts for the fiscal year ending June 30, including a balance of \$116,087 on hand at the commencement, were \$1,240,585. Three assessments were collected during the year, amounting to \$330. \$116,087 on hand at the commencement, were \$1,240,585. Three assessments were collected during the year, amounting to \$350,000. The amount of bullion produced was \$676,861 from 24,719 tons of ore, showing an average yield of \$15.50. The disbursements for the year amounted to \$1,191,396, leaving a balance to the credit of the company over all liabilities of \$49,249. Only one dividend of \$90,000 was disbursed. The amount expended for labor at the mine was \$294,833, and for reduction of ores \$517,643, of which \$254,228 was paid to outside mills. The lia-\$517,643, of which \$254,228 was paid to outside mills. The liabilities of the company were stated at \$86,823 and the assets at \$116,071, showing, as already remarked, a surplus of \$49,240. Included in the assets was \$104,724 eash in the Bank of California.

Humboldt.—Mr. Kelly informs the Winnemucca Argent, Oci. 1, that the new Golconda tunnel, now in seventy-five feet, south of the old shaft, has developed a four foot rich vein in mineral.... the old shaft, has developed a four foot rich vein in mineral....
Holt's mill is progressing, and will be finished some time this
Fall.... From the Unionville Register, Sept. 26, we learn as follows: "W. H. Davids, managing agent for the Seminole mine, owned in New York, commenced work yesterday on the company's mine above town. An agent of the company, who came out with Mr. Davids to examine and report on the property, was highly pleased with the prospects, and advised the company to push its tunnel in until the ledges are reached. The company has abundant means, and the work will now be proseented until the veins are cut."....Also, that "The Monroe Series Mine, in
Sierra District, has passed into new hands, and is now under the the management of Mr. Smythe, worked up to a first class paying mine, as we have every confidence it will be."

Bullion Shipments.—Wells, Fargo & Co. from their Gold Hill office, shipped, during the month of September, bullion to the value of \$470,065 60. The amount shipped from the office of Wells, Fargo & Co., Silver City, during the month of September, as \$23,570. The amount of bullion shipped through Wells, Fargo & Co., from Austin, during the month of September last was \$289,638 74, weighing 18,388 pounds... The amount of hullion shipped during September last, by John A. Paxton & Co, was \$144,357 02.... The Manhattan Company shipped during the month of September buillon to the amount of \$130,776 91.

Colorado.

The Central City Register, October 8, has the following on bullion shipments:—"The gold and silver shipments for the month of September, from this city, foot up larger than during any single month for several years. The shipments by express of gold and silver buillion foot up \$175,000, and there are the best of reasons for believing that at least \$25,000 more have gone by private hands from this and Clear Creek Counties, raising the total shipment of buillion for the month to \$200,000. To this is to be added fifty thousand dollars in silver ore which has been shipped from Georgetown, and the matte shipped by Prof. Hill, which will make the total product very little, if any, short of which will make the total product very little, if any, short of \$300,000, for the month, from Clear Creek and Glipin Counties. This is a result highly satisfactory to everybody. If continued through the year, the gross sum of three millions and six hundred thousand dollars would be the aggregate." . . . Also the following items of mining news:—"There are ten stamp mills in operation in Nevada Gulch. At the head of the Gulch is the Beverly Mill, of eight stamps, and an eight or teu-horse power englic. The mill looks somewhat antiquated, but is vigorons yet. Just above this, Mr. Beverly is ereeting a new mill, 30x40, for twelve stamps. Both of these mills will be able to run during the win-ter. Below these is the Clayton Mill, which commenced ope ter. Below these is the Clayton Mill, which commenced operations about two weeks ago, having been idle since '64 till that time. It contains nine stamps, an eight-horse power engine, and crushes about three quariers of a cord of ore per day. The next is the Quartz Hill Mill of twelve stamps and three Bertola pans, with an engine equal to six or eight horses as motive power. The stamps drop about thirty times per minute, and there is an abundant supply of water to keep them rauning all winter. Across the Guleh from the above is the Whitcomb Mill, containing twelve stamps and an engine of lifteen-horse power. Below ing twelve stamps and an engine of iffteen-horse power. Below the Clayton is a large building, called the Waterman Mill, in ing twelve sumps and the the Waterman Mill, in one part of which are twelve stamps, driven by a twelve-horse power engine. In another part of the building there is an engine of sixty-horse power, for driving other machinery, which is now idle. A little below this is the Philadelphia Mill, a large now idle. A little below this is the Philadelphia Mill, a large stone bullding, with twenty-five stamps and a double engine of eight-horse power. The stamps in this mill are large, and drop about twenty times per minnte. These mills are under the superintendance of Mr. Waterman, but have not water enough to run during the winter. The Ophir Mill contains twenty-four stamps, and a thirty-horse power engine. It will be able to run nearly all winter. Below this is the Gilpiu County Mill, with eighteen stamps and a twenty-five horse-power engine. It has not a sufficient supply of water to enable it to run during the winter. The last one visited was the La Crosse Mill, just below winter. The last one visited was the La Crosse Mill, just below the Gilpin County, which has twelve stamps, driven by a fifteen-horse power engine. Near Mr. Churches', at the foot of the Gulch, is another mill in operation, which will be noticed at some future time. In the nine mills spoken of, there are about one hundred and thirty stamps running, crushing, on an average, about eleven cords of ore per day. . . . Wm. M. Lyun has leased. about eleven cords of ore per day. . . . Wm. M. Lynn has leased for a short time, the Foot & Simmons Lode, on Gregory Hill. He is down some two hundred and sixty feet, and has taken ou Washoe.—According to the Virginia Enterprise, October 2, the Sierra Nevada Company continues to work its ore at a cost of \$2 per ton. Says that paper: "We were yesterday shown a bar of gold from the mine of the Sierra Nevada Company, at the North end of the city. The bar contained \$2,118 47 in gold, and \$102 that was passed over by the company as worthless, in which he 55 in silver—total, \$2,321 12. It is the product of 280 tons of ore, worked by the process common in California for gold quartz; that is, no amalgamation pans are used. The lot of 280 tons was run through the batteries in 7 days, being at the rate of 40 tons per day. The whole cost of working does not exceed \$2 per ton, whereas the yield per ton—is nearly \$8, leaving a clear profit of \$240 per day for the mill. The ore crushed is taken from a sort

50 feet, the indications are that the crevice will soon open out into good pay. He is running his own mill—12 stamps—and 13 stamps of the Philadelphia Colorado Co.'s Mill on ore from the half. The east shaft is now a hundred and seven feet deep, well timbered, and a ladder-way partitioned off from the east end. They are now drifting and stopping west. The drift has only been driven about twenty feet, and is in a good body of ore, from 24 to 36 inches in width. There is no vein of solid mineral, it being disseminated throughout the gangue. Greater depth will in all probability develop a solid mineral vein free from gangne. A fan blower has just been creeted for the purpose of clearing the drift from the smoke caused by blasting. A good shaft house containing conveniences for sharpening tools has been erected. The mine is producing three tons of ore per week, only one shaft being emis producing three tons of ore per week, only one shaft being employed... Hnepeden, Wolters & Co. are now engaged in excavating for the foundation of another chlorodizing cylinder, which will make their works double their present capacity....The shaft on the Munsell Lode, situated on Leavenworth Mountain, is just coming into mineral again. The last 15 feet passed through has been barren...At the Brown Company's works they have commenced smelting ore from the Brown Lode."

Montana.

A correspondent who signs himself "N," gives the Post an interesting item concerning the new silver smelting furnace which recently commenced operations at Jefferson. He says: "Mr. Holloure, well known throughout the country as the person who erected and worked the smelter at Argenta with so much skill and profit, was, some time since, induced by the much skill and profit, was, some time since, induced by the Messrs. Rutan to come and examine some of the quartz ledges in this vicinity. The result was that he felt assured that they surpassed in every respect those in the Rattlesnake District, and found several lodes so well developed that he is confident of their durability. He at once attached himself to the Rutan Mining Company. This Company, without pecuniary means, but with unlimited faith and a strong determination to accomplish their object, resolved to build a smelter without loss of time or regard to impediments. Some three weeks ago they completed the smelter and cupel furnaces. After some days' delay for coal, they began testing its efficiency, and this is the veritable state-*the smelter and cupel furnaces. After some days' delay for coal, they began testing its efficiency, and this is the veritable statement given, viz.: from seven tons of ore they procured by smelting and cupelling, some sixty-five pounds of silver, mixed with some gold. This we are positive is no humbug, as all their work has been done openly, and without that mysterious ostentation which often characterizes quartz operations. We feel then that we have good reason to congratulate them on their triumph. For their enterprise in the development of this region they are deserving of great credit. May they find an inexhaustible fortune in the famous Alta Bank lode. There are other lodes in close proximity to the one menhad they find an inexamous fortune in the lamous Ala Sank olde. There are other lodes in close proximity to the one mentioned, with quartz so like it in appearance that the distinction can scarcely be marked. Upon these other ledges we hope soon to see other smelters at work; at least we are inclined to believe no better field could be entered for active mining than Colorado District."....Mr. Alfred Metcalf, just from Diamond, reports that the claim is wished he is interested in Confederate Gules to District."...Mr. Alfred "Metcalf, just from Diamond, reports that the claim in which he is interested in Confederate Gulch in one week yielded the enormons sum of twenty thousand dollars in gold, five thousand of which was obtained in one day. The ground above Diamond is paying well, and that camp still retains its reputation of being the best in the country...From Mr. Ingersoll we learn that Henderson Gulch is still yielding good pay to all who are working in it. He also says that Harvey Creek, situated eighteen miles above Emmetsburg, shows signs of better days. Two bed-rock flumes are in course of construction...Several fine silver ledges are said to have been discovered on Bonder Creek, a tributary of Flint Creek, by Messrs. Brown, Chisholm and Wabas. Cabins have been erected in the vicinity of these discoveries, and the parties named propose to work on the new mines during the winter....A shaft has been sulk to bed-rock in Confederate Gulch, about 800 feet below the head of King & Gillette's flume, and prospects of 25 and 80 cts. sunk to bed-rock in Confederate Gulch, about 800 feet below the head of King & Gillette's flume, and prospects of 25 and 80 cts. head of King & Gillette's flume, and prospects of 25 and 80 cts. to the pan obtained. It is thought that the ground will pay \$20 per day to the hand. A water-wheel and pump are at present brought into requisition for the pnrpose of keeping it clear of water...During the month of September, Messrs. F. Bohm & Co. smelted \$196,695 45 of gold dust, all of which was transformed luto heautiful gold bars, and sent East, to be coined.... For the day and a half ending Oct. 1st, noon, Messrs. F. Bohm & Co. smelted \$21,640 worth of gold dust. This was run into three bars and shipped East....Among the recent arrivals in New York from Montana, we notice L. H. Hurshfield, the banker; Cole Sanders, part owner of the Poor Mau's Joy Miue; E. E. Walker, and W. A. C. Ryan.

Oregon.

Onr news from this State, taken altogether, has never been more hopeful. True, we have a rather dispiriting account of the Stein's Mountain "Mines," but the cheering news from Marysville, Bohemia and Little Pine Creek afford ample compensation for this bit of distasteful intelligence. Writing from Cauon City, a correspondent of the Dalles Mountaineer, August 28, says:—

"Within the past few days several of our prospecting parties have returned, and from their downcast looks it is quite evident that success did not crown their fronts; and the rich gold fields that lay around Stein's Mountain faded from their view, and nothing as to be found but vast sage plains. They all join in pronouncing tein's Mountain a humbug. From Malheur nothing definite is Stein's Mountain a humbug. The reports are so conflicting that it is impossible to arrive at anything conclusive, yet it is believed good diggings exist in that locality. Rumor says that rich diggings has been struck on Seivage and Crooked Rivers. The new mines recently struck on Servage and Crooked Rivers. The new mines recently struck on Little Pine Creek are creating a sensation. At Marysville there has been some very profitable runs made this season, which is quite encouraging. Mr. Hare & Co. cleaned up after seven days' run—working but 11 men—near \$12,000; Thompson & Co. have also been quite as successful."...The Roseburg Ensign says;—"Jesse N. Barker has presented us with the first

silver brick taken from the Bohemian Mine. It is a nice specimen of pure shining silver, taken from quartz first roasted, then crushed and separated from the rock with quicksilver. The yield, in accordance with this assay, would be \$1,600 to the ton, and is easily gathered and saved. There is no doubt now but that Bohemia is one of the richest districts yet discovered on this coast. We were also shown by him some fine lumps of gold from the same rock." from the same rock."

Arizona.

Mining news to the 5th nlt. is cheering. According to the Prescott Miner: "At Wickenburg, the mills are turning out plenty of gold, and preparations were being made for the erection of a new 20-stamp mill. The new pans recently set up in the Vulture Mining Co.'s 20-stamp mill were working sulphnrets with good satisfaction. The Vulture was yielding plenty of first-class ore, and were it not for Indians and ague, Wickenburg would be as happy as it is prosperons. ... In Ynma, Mohave, and Pima Counties, the miners are busy at work, and a prosperous season is anticipated. ... Judge Fowler and Mr. Bradshaw, returned from Black Canyon, report that they left some ten or returned from Black Canyon, report that they left some ten or eleven men on the creek, who were preparing to go to work. The party was lucky enough to find a lot of slnice-boxes left there over a year ago. They had prospected and located several bars, which they thought would pay well. The pack-train that carried their tools, provisions, etc., has also returned, so that they will not be bothered with watching animals, and need not fear the Indians. . . . Work is going on in Walker's, Big-Bug, and Hassayampa mining districts. . . Mr. Solomon Shoupe, of the Excelsior Hydraulic Mining Company, Lower Lynx Creek, reports that the claim pays first-rate, three men having taken out nearly \$300 in one week recently... As soon as Mr. Borgen arrives from San Francisco he will commence on the Sterling. He has shipped a supply of chemicals and other necessary articles for working the ore by chlorination.

Virginia.

In Smith County it is stated by the Lynchburg Virginian that an extremely rich plaster hed has been discovered. It says:—
"The main hed is situated in what is called the 'Cove' (ou Cove Creek, a branch of the north fork of Holston River), about twenty miles north of Wytheville, and fourteen miles cast of Saltresults in the present terminus of the branch of the Virginia and Tennessee Railroad. The route from thence to the Cove is up the valley of the Holston, a most favorable line for a railroad—the grades would be about fifteen feet to the mile—descending with the export tonnage. The quality of this plaster is superior to any now known on this continent. Such as have had a fair exportantly of testing it with the Nova Scotia fix their reletive to any now known on this continent. Such as have had a fair opportunity of testing it with the Nova Scotia, fix their relative value at fifty to one hundred per cent. in favor of the Virginia—that is to say, one ton of the Virginia is equal to one and a half to two of the Nova Scotia. In quantity it is enormous—it underlies hundreds of acres in a compact body. A well, or shaft, ten feet in diameter, has been sunk at one point. Within four feet from the surface plaster was reached, and continued (with the exception of a few diminutive scams of clay) for the depth of five hundred and eighty-two feet, and operations suspended without reaching the bottom of the vein or deposit, so continuous was the plaster—no water came in—the plaster continuing of a uniform superior quality throughout."

Through a correspondent of a Nevada paper, we have later en-couraging news from the mines in Brigham Canon. Says the writer:—"Times are improving here very much, although there writer:—" Times are improving here very much, atthough there are not so many miners here as there were a few mouths since; yet those that are here have good claims, and know how to work, and, consequently, are taking ont considerable gold. One person, who is working just above Spencer & Co.'s claim, took out, last week, nearly \$500. He has four men employed, and is working a drift claim."

Dacotah.

Later news from Sweetwater Mines is more encouraging still. A little mill there is doing splendid work. A Salt Lake paper, of September 1, has the following account:—"Cozer, Roberts & Co.'s Mill, at Sweetwater, made another clean-up yesterday. One hundred and cighty tons of rock from the Miners' Delight Ledge were crushed, realizing \$13,000, being over \$120 per ton. The first lot of rock crushed yielded a very fair quantity of gold, but this last lot caps the climax.

Mexico.

A correspondent of the San Francisco Times, in a lengthy let-ter describing the State of Sincloa, mentions the mines of the District of Fuerte. The following extracts will undoubtedly be read with interest:—"The State of Sincloa is divided into nine 'Districts.' Fuerte is the most northern of the nine, and ex-Districts.' Fuerte is the most northern of the nine, and extends across the State from the sea to the State line of Chihuanua, and with an average width of about forty miles. Its line of coast being from the bay of Agiabampo to Point or Cape San Ignacio, and includes the harbors of Agiabampo, Ahome and Topolohampo. It is the largest, and without donbt, one of the most fertile districts of the State, having a large proportion of good, arahle land on both sides of the Fuerte River, which runs through the center of the district from the mountains to the sea, and it is from this district, principally, that the supplies of corn, beans, panoche, (nnrefined Mexican sngar, resembling maple sugar in taste, color and grannlation) and beef, used in the rich mining districts of Batopilas, Urique, Teracahui, Gnasapares and Bahnerachi are taken, as well also as the Mescal—a distilled liquor from the Maguey or Agave plant, and which is made here in quor from the Maguey or Agave plant, and which is made here in abundance. The principal town in this district is Fuerte, or more properly La Villa del Fnerte, situated on the left bank of the river of this name, about eighty miles from its mouth, and about the same distance from the eastern boundary of the district. This is a rather regularly laid out town, and contains a population of about two thousand souls, who, although surrounded by Indian tribes, are principally or in fact wholly de razon, or not Indians. It is the county seat or Cabecera, where resides the Present an officer nuknown to our system of covernment, but as every fect, an officer unknown to onr system of government, but as every Californian knows what his rank is, I will not describe it here. Here, also, is the judicial head, a Judge of first instance holding Court. Then there is a Mining Court here, Tribunal de Mineria. As from Fuerte to the coast, and also through the State south, the as from Fineric to the coast, and also through the State sonth, the country is almost perfectly level, the roads are good and comminication casy. There being good roads, there is quite a lively business carried on at this place, as may be supposed, as it is the commercial head for the twelve Indian towns down the river, and for the misling towns in the State of Chihuahna. The merchants bny at Mazatian or Guaymas, principally at the former port, and ship to Topolobampo, eighty miles distant, thence by mules or the above mentioned carts to their stores. Chois, the second town in the district, is about forty miles northeast from Fuerte, on the left branch of the Fnerte River. It is a pretty little town of some eight hundred inhabitants, situated on a small table, about one hundred feet above the level of the surrounding extensive valley. This town, being still nearer the mining dis

tricts, also has considerable trade, and the farmers in the vicinity get ready sales for their produce. The river that flows at their feet contains gold; many people work on its banks and bars during the dryseason, who make by their rude, primitive process of working from fifty cents to one dollar per day. In this vicinity are the mining districts principally. At Rosario, Tora Nacimiento, Tasayera, Cajencito, Puerto and Platanos, are silver mines, which are at present being worked by the natives, not very extensively to be sure, but enough to pay the proprietors, who have a working capital of from ten to five hundred dollars. On the road to the rich silver district of Batoplias, and but forty miles from Chois, is the celebrated copper mine of Bahnerachi, in Chihualna, formerly owned and worked by Jacker & Co., of French-intervention notoriety, but now owned by Messrs. Nega & Buelna of Fuerte, who are taking out considerable ore at present. The only other silver mine in the district is that at or near Silbirizoa, twenty-two miles from Therte, down the river. This mine is owned and worked by a San Francisco company, and although it was yielding good ores when last heard from, it does not appear to be extensively worked. This mine, if half as rich as reported, should pay well, for being in the midst of a fertile valley, grains and all edibles are very cheap, compared to the prices in mountainous mining districts generally, while labor, too, is quite cheap, and hands to be had in abundance. There is a town heing built near the mouth of the river called "Higuera." A company of Americans have just purchased the land about the Bay of Topolobampo, and are making arrangements for the establishment of a port of entry if possible—a way port at least for the present." the present."

New Mexico.

The Mazatlan correspondent of the San Francisco Times, says: "The mines are in a little better condition than a few months ago. Several miners are doing well in this State. I speak of foreign miners—the Mexican miners almost always do well. The Tayo, at Rosario, is probably the best at present; the Cosala S. M. Co., at Cosala, is doing well; and the Alcarau, at Copala, and the mines at S. Dimas and Ventanas very well. These are silver mines. There are no gold mines in this State yet known, that would pay to work. Those that have been worked at Cohorbatito, Arapahoe, Metates, Ahoys, and Cosala, proved very well on the surface, but worthless at a very little depth."

Canada.

Canada.

The news from Madoe is again depressing. The Belleville correspondent of the Toronto Monetary Times writes, under date Oct. 12: "The confidence which was beginning to be partially resuscitated in our gold region, has suffered another severe shock in the failure of the Anglo-Saxon mill. After six weeks' work, with thirty stamps, three pans and thirty Wyckhoff oscillators, the quantity of gold collected amounted to a mere trifle, while a loss of over 600 lbs. of merenry was sustained. This denouement has all along been predicted by most of our practical men, who have constantly averred that the company had no indications of the existence of a mineral vein in the locality where they chose to erect their works, and from the cursory examination I had the opportunity of making, I must say that I quite concur in that opinion. How the managers happened so far to he misled, I cannot explain, but no doubt they must have had some "hig" assays to induce them to spend their money so freely as they have done. The effect of these disappointments is, that the opinion is rapidly spreading among our mining men, that the amalgamating process will not answer for the successful treatment of the ores of this region—that the gold is not in a form in which it can be collected by the use of mercury, and that some other method must be applied in order to get a remunerative return from our mines. It is also currently reported that the actual result of the crushing lately done at the Caldwell (Severn) mill was only 85 per too, instead of \$19. as eigen. that some other method must be applied in order to get a remunerative return from our mines. It is also currently reported that the actual result of the crushing lately done at the Caldwell (Severn) mill was only \$8 per ton, instead of \$19, as given out, and that the latter figures were taken from a calculation as to what the return would have been if the work had been done upon clean veinstone, instead of a mixture of wall rock and other dead matter with the gangue, of which the auriferons quartz constituted only one-third. The Fiegel mine, from which the ahove return was obtained, is now under an injunction, a suit in chancery having been entered on the subject of title. The Richardson Company have raised money to set their works in motion again, and are about to make another trial as to whether they can recover their best lode. The Merchant's Union Company have had a meeting, and have determined to make some additions to their machinery, and to give their ore a practical trial. Messrs. Jones & Robbins are pressing forward their reduction works to completion. When finished, we shall have a fair trial of the effect of the mach-talked-of Stevens flux. Much doubt is expressed by the initiated in mining matters as to the result, both practically and financially, but the gentlemen principally interested are quite confident in the efficiency of the material, as well as the quantity of gold contained in the ores they are about to work, which are chiefly of the pyritous class. I sincerely hope they may be right, and that the spirit they have shown may be suitably rewarded. If this process falls, there is only one other which can be brought into operation with any hope of success, and that is Chlorination, which has not yet been tried here, but which, if used in connection with good concentried here, but which, if used in connection with good concentried here, but which, if used in connection with good concentried to the calculation of the machinery of the machinery of the pyritous class. only one other which can be brought into operation with any hope of success, and that is Chlorination, which has not yet been tried here, but which, if used in connection with good concentrating machinery, and an efficient desniphnrizing apparatus, such as Whelpley & Storer's water-furnace, may yet enable our miners to remnuerate themselves for their labor and outlay in developing the mineral riches which exist in the rocks of the district; from the mills, as at present constructed and worked, we have little to hope."

COPPER.

Michigan.

A Boston Stock Circular thus summarizes by months the products, in mineral, of the various Lake Superior Copper Mines for the present year, from January to Angust:

	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.
Calumet Tous.	-	-	97	155	184	128	189	-
Copper Falls	67	80	78	101	69	68	-	68
Evergreen Bluff	7	11	19	24	28	19	22	26
Frankiin	88	92	92	92	80	75	75	88
Hancock	24	81	81	32	23	20	-	-
Hecta		-	-	-	810 8m		204	_
Huron			-	-	-	_	-02	100
Knowiton	-	-	-	-	15	17	17	16
National	22	22	24	28	41	82	27	31
Ogima	12	18	17	17	18	- 8		10
Pewabic	50	56	58	60	57	55	57	60
Pittsburgh and Bostou	58	80	115	129	100	81	74	80
Quincy	61	68	70	70	66	62	48	-
South Pewabic		78	86	91	85	110	119	101

COAL AND IRON.

Illinois.

IRON-MAKING COALS OF ILLINOIS.

The Chicago Tribune, Oct. 6th, makes the following report on the Chester and Chicago Branch Junction Railroad Company, in connection with the development of the Chester Coal fields in

Southern Illinois. It says: "The coals of Northern Illinois, it is well known, contain a large amount of water, ash and supphere to Iron, which unfit them for iron making, where a strong phuret of Iron, which unfit them for iron making, where a strong concentrated heat is required, and where sulplur would act injuriously on the products of the furnace. Receut explorations in Southern Illinois show that we have there a seam of coal which has all the strength and purity of the Brier Hill and Ormsby coals, and the determination of this fact will lead to the creation soouer or later of an immense mannfacturing industry in that section. The county of Randolph is surrounded on the west ormsby coals, and the determination of this fact will read to the creation soouer or later of au immense mannfacturing industry in that region. The country of Randolph is surrounded on the west by the Mississippi River. Lying ontside of the great lines of communication, little is known of its resources; but it is one of the best counties in the State. Originally settled by Scotch-Irish, they have, in the course of forty years, surrounded themselves with well-tilled farms and substantial farm-honses, and altogether the region shows an air of thrift indicative of an old and prosperous community. The choicest brands of flour are mannfactured here, and are contracted for in advance, by the dealers, for family use, in Boston, Hartford and New York. The whole country, except a belt about twelve miles in length skirting the river, is underlaid by the ceal measures, and a vertical range of 119 feet. There are three beds, respectively about seven feet, four feet, and six feet in thickness, making nineteen feet of workable coal. The first seam, according to the report of Colonel Foster, lies about thirty feet below the surface, and is covered by a firm and durable ilmestone roof. The thickness of the seam, as measured by him, is seven feet five inches, and is made up of five distinct layers, divided by thin partings of shale, and each layer has distinctive characters. Two of the layers (one and four) give upwards of sixty-two per cent. of fixed carbou, and less than four wards of sixty-two per cent. of fixed carbou, and less than four per cent. of ash, which is pure white, thus showing the absence of sulphnr. The whole thickness of these two layers, which are of supanr. The whole thickness of these two layers, which are iron making, is thirty-eight inches. The second layer, tweive inches, contains forty per cent. of volatile combustible matter, and less than two per cent. of ssh, and affords a gas coal superior to Pittsburgh coal. All of these layers yield a firm, compact coal, which will bear long transportation, which does not crack in handling, nor slake on exposure to the weather. The third and fifth layers have a combined thickness of thirty-two inches, and give an average of seven per cent of ssh which is white and give an average of seven per cent. of ash, which is white. While they are not sufficiently rich in fixed carbon to make Iron, they are well fitted for steam and household use. With such excellences in the first seam, it has not been deemed necessary to explore the second and third seams. To develop this coal field and make its products available, it is necessary to construct a railroad, thirteen and one-half miles in length. The ronte is rainroad, threest and one-han mines in length. The route perfectly feasible and the grades do not exceed sixteen feet to the mile. With this road constructed, it is estimated that there will be a daily demand in supplying steamboats, and Southern and St. Lonis markets, of not less than 2,000 tons a day. To effect a union between these coals and the Iron Mountain ores of Missouri would involve a railroad transportation of sixty-three miles, and a river transportation of fifty miles, costing, say \$1.75 a ton. To effect a union between the iron ores of Lake Superior and the coals of the Mahoming Valley, involves a railroad transportation of 151 miles, and lake transportation of 600 miles, costing, say \$6.75 a ton, making a difference of about \$5 per ton. Besides, regarding Western Pennsylvania and Northern Ohlo as the competing points, the products turned out from this region would be a lag points, the products turned out from this region would be a thousand miles nearer the Southern and Western markets, which would be equivalent to an additional \$5 per ton. No one can examine these natural resources without arriving at the conclusion that soon the banks of the Mississippi, in Randolph County, must become the seat of a dense manufacturing population."

Michigan.

The Marquette Mining Journal, Oct. 3, says: "The Lake Superior Company having resolved to test the properties of peat for the reduction of iron ore, has purchased one of Leavitt's maehines, and is making all necessary arrangements for putting it in operation. The works are located a short distance west of Ishpeming, where a yard is cleared off, buildings erected, and the sengening, where a yate scleared on bindings erected, ind the ground, and we learn that it is the purpose of the company to erect a small furnace in which to test the peat after it has been prepared. The works are under the immediate supervision of B. M. Peirce, a gentleman of great scientific attainments, who has made the peat question a special study. We sincerely hope the experiment may prove successful."

New Mexico.

THE SURVEY OF THE NORTHERN BOUNDARY-DISCOVERY OF RICH IRON MINES-PECULIARITY OF THE REGION.

The Commissioner of the General Land Office has received advices from United States Astronomer Durling, designated by the Secretary of the Interior to determine the survey and mark the northern boundary of New Mexico, stating that the party had reached the Rio Grande, one hundred and forty-eight miles west of the initial point, on the 6th ult. The eastern part of the line passes over a region of country which has never been traversed by white men. It was generally supposed that it was a beautiful rolling prairie. Col. Darling represents the first twenty miles of the line west of the initial point as a rolling plain, covered with a luxuriant growth of untritious grass, but destitute of wood or water. The next fifty miles of the line is over an exceedingly rugged region. The general character of the country is comparatively level, but it is intersected by numerous canons, with almost perpendienlar walls, in some instances tweive hundred feet high. Deposits of iron occur in great abundance over all this distance, and was sufficient to cause a change of twenty-six degrees in the magnetic needle in going the distance of a quarter The Commissioner of the General Land Office has received addegrees in the magnetic needle in going the distance of a quarter of a mile. The Cimarron River, which the party had occasion to traverse for over one hundred and fifty miles, is almost dry during the summer season, the water standing only in stagnant pools. The valley of that stream is from one-half to five mlies wide, and will become a most valuable agricultural region, while the uplands are clothed in a fine growth of good grass, and will become valuable as grazing lands. Approaching the head waters of the Cimarron River, water becomes more plentiful. For six weeks the party were compelled to supply themselves with water weeks the party were compelled to supply themselves with water from pools formed in the ledges of rocks, collected by rains; but in coming near the Ratoon Mountains, an abundant supply of water was found in the small mountain streams, which resemble those in Pennsylvania. The line crosses the summit of the snowy range of the Ratoou Mountains 125 miles west of the initial point. The party crossed the summit Angust 30th, and it was then covered with snow. The line passes through the

in the valleys throughout the year, and require no feeding. Not-withstanding the reputed hostility of the Indians in that quarter, the party was not molested beyond being compelled to divide supplies with a war party of Kiowas. The astronomer has pursued his labors with energy, and expects to complete his work by the middle of November. The whole length of the line is 320

OIL.

Austria. ANOTHER OIL CREEK IN EUROPE.

The New York World says:—"By the foreign accounts we are told of newly-discovered sources of mineral oil in Europe, which are being worked to a large extent. The latest and most important found are in Galicia. In the Western part of this province, it is said, petroleum abounds, principally in the mountains enclosed by Limanowa, Neusandee, Grybow, Cleskowlee, Gor-lice, and Sbyszyce. The superficial area covered by the basins discovered probably amounts to about 50,000 acres. The soil is represented to be so impregnated with the oil that it frequently issues in the form of small springs, and it is only necessary to bore a few feet below the surface soil to reach an ample deposit. Sufficient importance has been attached to the discovery to in duce the employment of several American geologists and engineers for scientific investigations, and, according to the accounts received from these parties, the little stream known as the Dunajee is in a fair way to become the Oil Creek of Europe. The authorities who have examined the article produced and the country, consider that the petroleum found in Eastern Galicia is like that obtained in Canada, and that the article found in West-ern Galicia is almost identical with that found in Pennsylvania. It is stated that in the latter section there are sources which, for pnrity and abundance of yield, are not equalled by the wells of any portion of this country; and that if they are intelligently and enterprisingly worked they will open the way to magnificent fortunes. The matter appears to be exciting much interest and activity in commercial as well as scientific circles, and under the stimulus it is quite certain that whatever sources may exist there will be promptly developed, and their real extent become known. Petroleum has become so important to Europe in a multitude of ways, that any prospect of a supply from her own soil will receive proper attention. It remains to be seen how far the production of oil there is destined to affect the trade of the United States. That the article abounds there, and of good quality, it would be idle to doubt, in presence of the information sent here by entirely competent and trustworthy persons, reguparity and abundance of yield, are not equalled by the wells of sent here by entirely competent and trustworthy persons, regularly commissioned to look into the matter. But the extent to which it exists is not shown, nor even satisfactorily estimated, and everything, excepting alone the fact of oozing oil having been found in a few spots, is entirely too indefinite in character to be worth anything at the present moment. During the whole vern 1866 the total quantity of Galicium petroleum brought to year 1866 the total quantity of Galician petroleum brought to market only reached 268 tons. It may be said that this was the product attained under the disadvantages of commencement, and of crude appliances for working the wells; but let the fact be contrasted with the product of a like starting period in this country, and what inferences are to be fairly drawn from the comparison but that petroleum inexhaustibly abounds here, and that Galicia culors but a limited surply, which must be reached only galicia enjoys but a limited supply, which must be reached only by patient labor. We see no good reason to apprehend any interference with our export at present. With the single exception of the Rangan wells on the banks of the Irawaddy, in the Burman empire, there is really no region that produces petroleum to any great extent but our own. And the yield attained by these wells has been reported at 600,000 barrels in one year, of which all that are not taken up, for home consumption are sold which all that are not taken up for home consamption are sold to the Price Candie Company, of London, which corporation holds the exclusive right of purchase of all petroleum shipped from the country. Oil is known to exist in many parts of the world, but the question is, can it be obtained and sent to the general market? There are very respectable deposits in Japan and in China. Also in the mountains of Zarka, in Tartavy, and in the entire region about the Casplan Sea, as well as along the Tigris, on which river the oil has been known to flow and float in large quantities. The Assyrians took oil from the wells of Is, on the Euphrates, to eement the stones in building Babylon. These wells flowed then and flow now and will flow in onne volubilis ævum. Their fame in the days of the anelents attracted Albilis even. Their fame in the days of the ancients attracted Alexander the Great and the Emperors Trajan and Julian to the spot. British capitalists have been drawn to the shores of the Azof and Black Seas, and a petroleum company from this city has carried skilled workman from Oil Creek into Peru. But out of all the numerous oil localities known, there is not one that stands the smallest chance of successfully competing with us in controlling the markets, for reasons of a commercial character; not one that possessess the facilities for turning out 2,500,000 barrels a year as we do, and sending to foreign shores a yearly average of 30,000,000 gallons, or 800,000 barrels, placing to our average of 30,000,000 gallons, or 800,000 barrels, placing to our credit abroad a sum varying from \$15,000,000 to \$20,000,000 a year. Until very definite information to the contrary is reyear. Until very definite information to the contrary is received, we shall place Galleia in the same category with the many other places that have put forth a claim as abundant producers of petroleum. That section, like Canada, will probably want all that it can produce for its own use, and it may find it necessary to import a small balance. The production of the United States is worth \$50,000,000 a year. Let any other country approach that, and it will then be time to believe our own laterest is in danger." Interest is in danger.'

Scientific Meetings.

POLYTECHNIC BRANCH OF THE AMERICAN INSTITUTE.

ARTIFICIAL TEETH-TESTING STEAM ENGINES.

The regular weekly meeting of the Polytechnic Branch of the American Institute was held on Thursday evening, Oct. 22, Professor TILLMAN in the chair. The first invention to which the attention of the Association was called, was specimens of Artificial Teeth exhibited by Dr. A. PRETERRE, the well known dentist of 159 Bowery. Two plates were handed well known dentist of 159 Bowery. Two around for exhibition, one of which was ma around for exhibition, one of which was made of Aluminum, cast in molds, and the other was made of a preparation of Collodion, prepared in thin sheets, and then shaped into the contains some 1,600 inhabitants. It is situated on the eastern border of San Louis Valley, watered by the Rio Grande and its tributaries, one of the finest agricultural and grazing districts in the United States. This valley contains a large number of settlers, who engage in agriculture to a limited extent, but are chiefly interested in raising sheep and cattle, a branch of industry which proves highly remunerative, from the fact that stock graze

that rubber was going out of use, and that the gold plate was bing employed.

Mr. C. E. EMERY then took the stand and read a paper

Mr. C. E. EMERY then took the stand and read a paper upon "The Best Modes of Testing the Power and Economy of Steam Engines." The chairman, Prof. TILLMAN, explained that Mr. EMERY had been engaged for a long time with the United States Commission, and in this paper had united his own experience with theirs. The extent to which the mechanical interests is expanding in this country made the subject of economy in steam power a very important one. The systems in use at present were not as perfect as they The systems in use at present were not as perfect as they might be made. The present indicator is most deceitful and unreliable, and Mr. EMERY illustrated by a diagram a plan unreliable, and Mr. EMERY illustrated by a diagram a plan of applying a pencil to the engine, whereby the irregularities of its motion and the consequent loss of power might be indicated on an attached piece of paper. It showed very perfectly whether the valves were adjusted properly and often, when applied to an engine working improperly, would reveal the difficulty and suggest the remedy; but it failed to actually determine the power of the engine in certain circumstances. No allowance was made for the weight and friction. Until recently it was supposed these inaccuracies were too. Until recently it was supposed these inaccuracies were too small to attract consideration. The ordinary indicator cauand to attract consideration. The ordinary indicator cannot be depended upon to accurately measure the power of high speed engines, working expansively. A good dynamometer was the only instrument that could be depended upon to accurately measure the useful work which an engine was capable of performing. Still the hest of this kind had many disadvantages for every day practical use. In the matter of direct economy in fuel, oil and attention, the steam engine direct economy in fuel, oil and attention, the steam engine was very defective. Some of the defects were inherent and could be pointed out, but not remedied without changing the general principles of construction. The majority of the practical loss had never heeu satisfactorily explained. The paper, whose contents were illustrated by diagrams on the blackboard, was full of practical suggestions for the remedy of the defects alluded to, and created deep interest for those who listened to it. those who listened to it.

A vote was taken to renew the discussion at a future meeting, and at a late hour the Association adjourned for one

Improvement in the Manufacture of Zinc.

A. G. Hunter, of Flint, Wales, has recently, according to a cotemporary, patented some improvements in the manufacture of zinc. The process is thus described: "The zinc ores, after having been subjected to the usual prelimireacting been subjected to the usual preliminary treatment, are intimately mixed with the usual quantity of carbonaceous matter, and pluced on the hearth of a reverbatory furnace, in which the mixture is acted on directly by the heat and flame from the fire. In order to effect the reduction of the zinc from its ore, care must be taken to prevent the presence of any free oxygen in the flame, or heated gases passing over the zinc ore mixture. This may be accomplished either by keeping a thick mass or burning fuel in the fire-place, or by introducing carbonic oxide, carburets of hydrogen, or hydrogen gas, or other deoxidizing agent, at the fire bridge, so as to be mixed with the flame from the fire before it reaches the zinc ore mixture, care being taken to prevent the admission of air at any other part of the furnace except through the grate bars of the fire-place, which must be well filled with fuel while the zinc ore mixture is under treatment. By the reducing action of the heated gases and flame, and of the carbonaceous matter mixed with the ore, the zinc the ore carbonaceous matter mixed with the ore, the zinc the ore contains is liberated in a metallic state, and distills off as a vapor, mixed with the heated gases and flame from the fire. The zinc vapor is condensed to metal by causing the heated gases, flame, and z ac vapor, previous to their reaching the chimney, to pass through a pipe or condenser surrounded with water, which cools the gases sufficiently to allow the zinc to deposit. In this pipe or condenser, snitable recesses or cesspools are provided to receive the metted zinc as deposited, from which it may be run off into motids; also suitable openings, through which the pipe may be cleaned out. Either a stationary or a revolving reverbatory furnace may be used to heat the zinc ores in, and the condenser may be either vertical or horizontal or both alternately, and the sizes of the furnace and condenser may be varied, to suit the amount of work required denser may be varied, to suit the amount of work required to be done. The inventor has found a furnace hearth eight feet square, and a condenser twenty inches in diameter and sixty feet long, a convenient size; but these proportions may be varied."

A Compound for Separating Manurial Matter from Sewage Water.

The large amount of wealth which our great cities annually throw away through their sewers has been a subject of consideration to economists for a long time, especially since Liebig called particular attention to it. In China, the inhabitants of towns and cities are compelled to send their fecal matter to the country, and restore to soil what had previously been drawn from it. The great difficulty has been to separate the solid from the fluid matter, as the sewage matter of towns in its ordinary state is worth only four or five cents per ton. Messrs, Sillar & Wigner have recently patented in per ton. Messrs. Sillar & Wigner have recently patented in England a compound, the purpose of which is to separate the solid manurial matter from the sewage water. It consists of animal charcoal, hlood, clay, alnm, and some other materials. By means of this compound the solid matter may be precipitated in a floculent mass, which, being dried, will serve as an excellent manure.

The " Hissometer."

One of the most peculiar arrangements in connection with gas has been christened the "hissometer." By driving gas under pressure through a long but fine burner, a very slender flame some two feet high is obtained. This is sensitive to the slightest sharp or sibilant sound, even at long distances. Jingle a bunch of keys at the other end of a long room, and the flame will dedge as if shot lowering to only eight or ten

MARKET REVIEW.

FRIDAY EVENING, OCT. 23, 1863.

Gold and Silver Stocks.—The animation in the Mining Stock Market noticed for a few weeks past, still continues. Among other Colorado Stocks that have advanced under this inflance, we notice Consolidated Gregory now held at \$4 95, with sales at \$4 7569\$\$4 80. In Nevada's, no change of importance has taken place. Twin River is reported held at \$10, while Man hattan and Combination continues at the same figures reported for severa weeks past. Following are the quotations of to-day:

	Bid.	Asked. 1		Bie	1	Ask	ed.
Alameda Silver		40	Klpp & Buell Gold				10
American Flag		40	La Crosse Gold		21		23
Bates & Baxter Gold.		50	Liberty Gold				
Benton Gold		26	Manhattan Silver	100	00		::
Bobtail Gold			Midas Silver		25		75
Combination Silver		8 00	Montana Gold		55	-	55
Censolidated Gregory.	4 50	4 95	New York		05	1	25
Edgehili Mining		8 60	Nye Gold			**	3
Gold Hill		1 00			00	90	00
Gunnell Gold		60	People's G. & S. of Cal			-	
Grass Valley		50	Quartz Hill		99		00
Hamilton G. & S. B		85	Rocky Mountain Gold.		12		18
Helman			Smith & Parmlee Gold	-	00	0	30
Hope Gold		10	Texas Gold				10
Twin River Silver		10 00					-
Gnnnell Union		80	Edgehill Mining				
				-			. 1

Copper Stocks.—Prices continue with but little change, the principa Stocks being quoted: Davidson 50@.70c.; Film Steel River, \$1.75; Minneso ta, \$2 00@.48 00, and Mendata, \$1 75.

The following will show the prices of Copper stocks bid in Boston this day, (Oct. 23.)

Franklin	. 16 Quiney	4
	Ruchanan Farm are reported at 48c.	

Petroleum Stocks,—Sales of Buchanan Farm and of United States at \$2 25. Prices are quoted;

	351	a.	A 880	ea. i				73 BK	ext.
Bennehoff Run		40			Rynd Farm				25
Brevoort		85	1	00	United Pet. Farms		10		
Buchanan Farm		48			Union				
Central		40			United States	2	15		25
National	8	00	3	80	Sherman & Barnsdale.	1	00	1	80
N. Y. and Alleghany			2	00	Second National				
Pithele Creek		45			Bllven				
Home Petroleum	2	00	8	00	Rathbone				
met 11 04.	-9		WF - 111	-999	T 3 to t - 1 - 1 1 (3 1		Ya.I	8-	77

Miscellaneous Stocks.—Wallkill Lead is quoted at 11@14; Del. & H. C., 130; Western Union Tel., 36; ; Quicksilver Mining Co., 24; ; Pacific Mail, 128; Wells-Pargo Express, 30; Adams Express, 50; A51; N. Y. Central R. R., 128@129; ; Eric, 47¢; i indson, B. R., 136@136; i iteading, 95;@9; Mich. S. & N. L., 57;@854; ; Clev. & Pitta, 88; C. & N. W., 91;@91‡; C. & N. W., W. R. R. Pref., 92; ; Cleveland & Toledo, 104; ; Chi. & R. I., 107; Milwaukee & St. Paul Pref., 104; ; Tol. W. & W., 64; Chi. & Ait., 155; Chicago & Alt. Pref., 156; Ohlo & M. R. R., 316; Lake Shore R. R., 100; New Jer. Cen. R. R., 1, 100; New Jer. Cen. R. R., 1, 100; Per. S. Chicago & Alt. Pref., 156; Ohlo & M. R., 316; Lake Shore R. R., 100; New Jer. Cen. R. R., 1, 100; Milwaukee & St. Pref., 156; Ohlo & M. R., 316; Lake Shore R. R., 100; New Jer. Cen. R. R., 1, 100; Milwaukee & St. Pref., 156; Ohlo & M. R. W., 316; Lake Shore R. R., 100; New Jer. Cen. R. R., 1, 100; Milwaukee & St. Pref., 156; Ohlo & M. R. R., 316; Lake Shore R. R., 100; New Jer. Cen. R. R., 1, 100; Milwaukee & St. Pref., 156; Ohlo & M. R. R., 316; Lake Shore R. R., 100; New Jer. Cen. R.

Government Stocks.-The market for Governments is steady

1010 wing quotations.
U. S. 6a, 1881, coupon... 114 (2011); U. S. 5-20a, '65, new coup... 1104 1104 U. S. 5-20a, 1862, coupon. 1184 1134 U. S. 5-20a, 1867, coupon... 1104 1104 U. S. 5-20a, 1864, coupon... 1124 1125 U. S. 5-20a, 1865, coupon... 1124 U. S. 5-20a, 1865, coupon... 1105 1106 U. S. 5-20a, 1865, coupon... 1105 1106 U. S. 5-20a, 1865, coupon... 1105 1106

| Foreign Exchange | Foreign Exchange, though qulet is firm, the leading drawers generally asking \(\frac{1}{2} \) per cent. advance. We quote:
| Lon. (pr. bks), 60 dys | 109\(\frac{1}{2} \) (104 | Swiss | 5.18\(\frac{1}{2} \) 5.16\(\frac{1}{2} \) Lon. (pr. bks), sight | 110 | 110\(\frac{1}{2} \) | Hamburg | 35\(\frac{1}{2} \) 36 | 36 | London, prime com | Amsterdam (bankers') | 40\(\frac{1}{2} \) 41 | Paris (bankers'), long | 5.16\(\frac{1}{2} \) 5.15 | Frankfort (bankers') | 40\(\frac{1}{2} \) 42 | Antwerp | 5.18\(\frac{1}{2} \) 5.16\(\frac{1}{2} \) Bermin (bankers') | 72\(\frac{1}{2} \) 2 | Antwerp | 5.18\(\frac{1}{2} \) 5.16\(\frac{1}{2} \) Bermin (bankers') | 72\(\frac{1}{2} \)

The same and the same of the s	Amount.	Price.
Cowing, Johnston & Co		\$185 401
Cowing, Johnston & Co		185 85
Cowing, Johnston & Co		135 34
Geo, D. Arthur & Co	50,000	185 40
Total	\$300,000	

falo.

Petroleum.—The market for crade is inactive, but prices are well sustained; 500 bbis. sold at 15½c, and 1,000 bbis. at 16c. For refined the demand is fair, and the light offerings keep prices firm; at the close 5½c, is offered and 30c. asked for standard white. Sales were made of 2,000 bbis. seller the balance of the month, at 30. Naphtha is quiet at 18c. In Philadelphia the balances is small, though we do not learn of any decided change in prices; oil on the spot is quoted at 29c.. We notice sales of 2,500 bbis. for delivery the balance of the month, at 29½c, and 1,000 bbis, half this month and half next month, at 29½c.

Ľ	nonth, at 291c.	
	Receipts for the weck ending Oct. 20pkgs.	12.894
	Exports for the week ending Oct. 20galis.	1,228,298
	Exports from Jan. 1galls, 4	4,819,866
	Exports same time last yeargalls. 2	4,119,822
	The following is the quantity exported from other ports, Jan.	to Oct. 17.

From Boston galls, Philadelphia galls, Baltimore Rortland	2,190,825 30,189,679 2,275,308 568,970	1,643,268 23,046,680 1,238,768 800	
Total Total exports from the United States Same time in 1866	80,990,689	25,929,516 50,485,554 49,963,042	

Copper is very dull, and the business is small, with sales of 400,000 lbs. betroit. Baltimore and Portage Lake, at 23@234c. A few sales are reported elow this price, but the market closes steady, though dull.

The Loudon market is dull, at £67 10 for Chill Bars.

Zinc.—French Zinc, Metallic, is 8½c., gold.
American Zinc, 12½c., currency.
Oxide Zinc, Freuch, 12c., currency; American, 9½c, currency

Oxide Zinc, French, 12c, currency; American, 94c, currency.

Tin,—The continued rising tendency of the European markets has at last induced purchases here. Sales, 8,500 slabs, Straits, in Boston, to arrive, at 27@ 274c, 1,500 here at 274@274c. It is now quoted at 25c. Banca, 174c. English, 25c., all gold.

The London market has advanced in 100s., for English, 97s for Straits and Banca. Amsterdam is quoted in 5d.

Spelter is in small stock but dull. Silesian \$61@\$61c. Gold. Lehigh is steady at 11c., currency.

Lead is steady, with decreasing stock. Ordinary foreign, \$6.40@\$6.404, gold. Sales have been made of 150 tone Common German, 150 do. Spanish, here, and 50 do., to rarrive, all at \$6.424, and 50 do., in lots, \$6.50, gold. Ber, 104c. Sheet and pipe, 12c., less 6 per cent. to the Trade, and Tin-lined Pipe, 18c., net can be Plaster Paris.—We note sales of 350 tons White Nova Scotia Lump, at \$4.75, cash.

Regulus Antimony.-We note further sales of 5 casks at 14 c., gold.

----THE IRON TRADE.

New York, October 28, 1868.

There has been no movement in American iron since our last weeks report.

No. 1 iron remains very quiet, and with extra searcity remains very firm in prices. We have no sales of importance to note. Forge irons remain quiet with but little inquiry. Sales at Allentown has been made for December viz. at \$22.

Scotch Iron with small inquiry and large stock is somewhat weaker, and prices favor buyers. Sales have been made of Glengarnock, at \$41.00 from ship.

Ohi Rails remain quiet and with but little inquiry. Prices are weaker. Scrap iron—Sales, \$50 tons on private terms, 100 tons machinery scrap from yard.

Bar is quiet but firm at our quotations. American Refined is held at \$92 50 currency from mannfacturers' hands. Common sheet is in small supply, the Pittsburg makers being sold ahead—some parcels have been sold here to go to Philadelphia, which is an uncommon occurrence.

The demand for Iron is moderate, but prices remain about the same. Small sales at \$42@\$45 per ton, for Gartssherrie and other hrands. Scotch and American Pig averages from \$40@\$55 per ton as to quality. In Bar Iron there is no change, with moderate sales; and for Russian Sheet Iron the market is quiet, and prices are nominally 13@14c per ib., gold.

Imports of Pig Iron from January 1 to October 17, 1868:

| 1168. | 1168. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169. | 1169

t oastwise Ports. 10,442 7,672

Pinlanelpina October 21, 1868.

Pig metal is held firmly, and there is rather more activity. Sales of Nooundry at \$42@\$\$43, and No 2 at \$33@\$\$93. Scotch Fig is quiet at \$44 pe no. Marufactured iron commands \$\$50@\$\$98 for Bars. Blooms are quiet.

Lehigh Valley Iron Trade. Total. 6,960 6,650 28,745 22,240 18,680 123,432

Imports of Foreign Iron and Steel at New York.

Railroad Iron, bars	Quantity.	Value. \$203,208
lioop, tons		1.806
Sheet, tons		7,205
Pig, tons	1,516	23,086
Other Iron, tons	8,974	108,491
Chains and Anchers, packages	148	5,422
Tubes, packages	1,237	4,847
Nails, packages	6	242
Steel, puckages	4,712	100,181
Machinery	48	4,592
Pipes		9,456
Anvils		285
Wlre	5	1,885
		-

Market Prices.

NEW YORK, Oct. 23, 1868

PUTY.—Bars, 1 to 14c. per lb.; railroad, 60c. per 100 lbs.; boiler and plate 14c. per lb.; sheet, band, hoop and scroll, 14 to 14c. per lb.; pig, \$9 per ton polished sheet, 3c. per lb. Payable in gold.

Am. pig, fy. No 1, best, \$41 00043 90 | STORE PRIORE?

Am. pig, ly. Mo i, best, par t	DO CHETTHOU	CIVILE PRICES.	
" 2x frdy, 36 (00 89 00	Bar, Swedes, ord'y sizes	155 00
" Grey Forge 84 (00 86 50	Bar, Eng. and Am., rfd	100 00
White and Mottled	31 00	Bar, Eng. & Ant., com	90 00
Pure white for Cal, mar. 31 (Scroll	175 00
Seoteh Plg, No. I, best bd 41 !	50 43 00	Ovals and half round 125 00	
" " ontside, 41	00	Band	
Wt. No. 1Scrap fm yd	47 50	Horse Shoe	
Ex ship 45 (Rods, 4@3-16 inck105 00	
Bar, Ref., En. & Am., 90	00 92 50		
Bar, Sw's, as. sizes.gold 87	50 80 00	Nail Rod, per lb 9	101
Old Rails 47 (Sheet, Rus. as'd. Nos. (gold) 12	131
R.R. Iron, For., fin Stock		Sheet, s'gle, D & T. com 5	61
gold 51 3	50 52 50	Rails, Eng., gold, ton. 51 0	0 52 00
R. R. Iron For., to imp, 50		Rails, American 80 00	
" " Amer, at wks.		English, cast 2d & 1st qual 1	
currency 77	00	Eng. Spring 2d & 1st qual	
R. R. Iron, Am., deliv'd 80	00	Eng. Blister 2d & 1st quai	111 20
Stl rails of any pattern at		English Machinery	131 16
works, enrreney		Eng German 2d & 8d qual	14 16
Solid Steel rls. For., gd.110 -		Am.Blister, "Black Diam'd,"	104 16
Street Rails at works 80		American, Cast, Tool "	19 —
Light rls, for mines &c.			10 18
at works \$80 (600	American Machinery "	- 18
Do. dellvered here 83			10 13

The Commercial says: The market since our last was firm, with a fair demand for the various descriptions. The stock on hand is not large, Prices remain about the same as last week. The sales were as follows: Coke, Alejanay, 295 tons; Youghlogheny coke, 200 tons; Anthractic, 550 tons; Blumminous coal smelted from Lake Superior ore, 1,235 tons; Charcoal, 246 tons. Total, 2,481 tous, against 1,350 tons last week, being an increase of 1,151 tons.

ALLEGHANY COKE.

800 to	ons Youghiogheny Coke	26	50-oach
	AVERDACIED		
90 to	ons Foundry	41	50_4 mos
110 to	ons Mottled	25	50-4 mos
50 to	ons White	97	00-4 mos
			00-4 mos
80 to	ons Hard Gray Red Short		00-4 mos
50 to	ons Gray Forge Neutral		00-4 mos
60 to	ons Neutral No 8		
130 to	ons No 1 Foundry	42	00-4 mos
30 to	ons No 1 Foundry		00-4 mos
	BITUMINOUS COAL SMELTED EROM LAKE SUPERIOR OF		
150 t		36	00-4 mos
80 t	ons Medium Gray Forge	37	00-6 mos
100 to	ons Medium Gray Forge, to arrive	39	00-5 mos
150 to	ons Gray Forge	39	50-4 mos
800 to	ous Gray Forge, to arrive	40	00-6 mos
100 to	ons Gray Forge, to arrive	39	50-4 mos
120 t	ons Gray Forge, to arrive		00-4 mos
50 t	ons Gray Forge	38	50—cash
60 t	ons Gray Forge	40	00-4 mos
50 t	ons Open Gray Forge, to arrive	40	50-4 mos
20 t	ons Mottled Forge, to arrive	39	00-4 mor
165 t		41	00-4 mos
20 t		42	00-4 mos
	CHARCOAL.		
50 t	ons No 1 Foundry	44	00-4 mog
16 t	ons Cold Blast	38	09-60 dys
10 t			00-4 mos
170 t	ons Mill Iron	41	00-4 mos
	BLOOMS,		
25 t	ons	90	00-4 mos
	Cincinnati, Octob	oer	19, 1868.
Pi	G There is a better demand, with improvement in pr	rice	s on some

grades. Holders are firmer, and manifest less disposition to make conces-

sious. Deocks are ugue, and receipes not targe.	
Hanging Rock H. B. Mill	\$38 per ton-90 day
Hanging Rock 11. B. Foundry	40 per ton-90 day
Hanging Rock Cold Blast 58	per ton-90 day
Hanging Rock Car Wheel	60 per ton-90 day
Tennessee Cold Blast 40	42 per ton-90 day
Missouri	47 per ton-90 day
Jackson (stone coal) Foundry	39 per ton-90 day
Blooms	100 per ton-60 day
MANUFACTURED.—There is a fair trade, though the ac	

MILWAUKEE, Wis., October 19, 1868.

No quotable change in prices.

Buffalo Union. A *

i	Burialo Union, B 1				4	46
	Lake Superior No 1 (charcoal)				4	43
	Lake Superior No 2 (charcoal)				4	42
1	Lake Superior No 3 (charcoal)					48
	Iron Ridge, No 1 (Sweed's)			• •		48
	Scotch			10	000	
	London, 1	Eng.				68
			Pe	er t	ton.	
	Bars, Welsh, in London	£6	10	0	£6	15
	Bars, Welsh, to arrive	6	10	0		
	Nail Rods	6	15	0	7	-
	Nail rods, Staffordshire, in London	- 7	10	0	8	1
	Bars, in London	7	10	0	9	1
n	Hoops, in London	8	2			1
t	Sheets, single	9	2			
	Pig, No 1, in Wales	8	15			
-	Refined metal, in Wales	4	0			
a	Bars, common, in Wales.	6	0		-	
n	Bars, Merchant, Tyne, or Tees.	0	10			
15	Bars, railway, in Wales.	0				
	Dars, ranway, in wates	9	10	0		
	Bars, Swede, in London.	9)
n.		10)
	Pig, No 1, in Clyde	. 2	14	3	2	1

 Pig. 10 b in Tyne or Tees.
 2 9 6

 Pig. Nos 3, 4 10 b in Tyne or Tees
 2 6 6

 Railway Chairs.
 5 10 0

 Railway Spikes.
 11 0 0

 Indian Charcoosi Pigs, in London
 7 0 0

 Steel.
 7 0 0

Inox.—The orders given out for rails, says the Mining Journal, have had the effect of imparting a firm tone to the market, and enabling ironmasters to command increased rates. Merchant bars continue to hold a good position, and buyers have to pay full prices. Some of the Staffordshire works are quoting 5s, per ton higher for bars, hoops, and nail rods; but this advance does not appear to be very freely pald. In Swedish Bars there has not been quite so much doing, but prices have not in the least given way, and as the season for shipments from Sweden is now drawing to a close, it is not improbable a gradual improvement may take place. Very little change is recorded in the value of Scotch Pigs—a steady market for most part, with no greater variation in price than 8d. to 6d. per ton.

London Weekly Metal Report.

Nes. 1 and 2 East India Avenue, Leadenhall Street
London, E. C., October 2, 1868.
The Metal Market has been quiet during the past week, hut prices are well naintained.

The Metal Market has been quite to maintained.

Iron is firm; Welch Bars, £5, 17s. 6d. to £6 in Wales. A good husiness done in Ralls at £5, 17s. 6d. to £6. Staffordshire Iron firm; no change in official prices. Scotch Pig Iron, a large husiness continues to be done in Warrants, but prices are slightly lower, 58s. 6d. each.

Warrants, but prices are slightly lower, 52s. 6d. each.

Copper.—Market quiet, but steady. India Sheets, £78: Tongh, £73 to
£74: Rurra, £70. 10s.; Wallaroo, £78. 10s. to £79: Chill, sales of Urmeneta
Bars to arrive at £67; good hrands, £67. 10s.

Tin,—The whole of the 90,300 Slahs Baner offered by public sale in Amsterdam, on the 30th ultimo, found ready huyers at 54‡£, equal to £94. 10.
laid down here. Telegraphic messages have since informed us of an advance to
55‡£, hyers, equal to £96 here. A good business has been done in Straits
from £93 to £94, at which the market closed with firmness. English Tin at
official quotations.

Tin Plates, in moderate request at late rates.

Lead.—Market quiet, but firm; good soft English, £18. 15s.; L. B., £19 to £19. 2s. 6d.

Spelter,—A small business has been done, the last prices paid £20. 9s. 6d for spot; outport Spelter not wanted; Common Brands, £20; Specials, £20. 10s.; V. and S. quite nominal, £19. 15s.

THE COAL TRADE.

New York, Oct. ber 23, 1868.

No change has been experienced in the state of the markets since last week, and our expression then of "Brisk and bare" is still applicable. "Coal is coal" just now, and further rise may be expected upon the stove and smaller sizes. It would not surprise us if fifty cents per to would be added to the present rates within the next ten days. The market is somewhat unsettled just at present; the inquiry from the East is moderate. Small dealers hold off, believing that the present high prices cannot be minitained. The 67th Seranton sale is advertised in our columns to take place on the 28th inst., when 50,000 tons of coal will be sold, the conditions being made known at the time of sale.

We learn that Messrs Guiterman, Beddall & Co have taken leases on the Lykens Valley, the 30 ft. Buck Mountain, and other south side veins adjoining the town of Helfenstein, and commenced work vigorously for large shipments next season.

We observe that the Lehigh Valley Railroad Company have acquired, by purchase, the coal lands of the Locust Mountain Coal and Iron Company, the coal lands of the Coal Ridge Company, and one half the ecoal lands of the Treverton Company. The consideration price paid for these acquisitions amount, it is said, to less than one and a half millions of dollars, payable in first mortgage Lehigh Valley Railroad bonds. The object of the purchase is doubtless, the securing of coal tomage to the Lehigh and Mahanoy Branch of the Lehigh Yalley Railroad, and also the Lehigh and Mahanoy Branch of the Week Ronding October 90, and for the season to that date also the tense of the week ending October 90 and for the season to that date also the for

various rontes of transportation from the Pennsylvania Coal districts for the week ending Oct. 17, 1868, and for the season to that date. A comparison is also made with the amount transported the corresponding week in 1867, showing the increase or decrease, as the case may be:

	1867.		18	INC. OR DEC.			
COMPANIES,	WEEK.	TOTAL.	WEEK.	TOTAL.	WEEK.	-	YEAR.
Phil, & Read, R. R.	77,426	2,578,801	109,276	2,398,450	i 82,050	d	175,441
Schnyikill Canal	35,369	796,141	81,879	798,450	i 3,490	i	149,609
Lehigh Valley R. R.	47,217	1,663,782	48,567	1,897,875			234,093
Leldgh & Sus. R. R.	9,578	414,404	41,834	881,329	1 39,256	d	83,095
Lehigh Canal	84,228	808,695	88,386	760,140	d 837	d	48,555
Scranton North	14,145						95,407
Scranton South	20,656						152,873
Penn. Coal Co. rail.	21,230		20,276	736,937	d 954	1	69,296
Penn. Coal Co. canal	855	18,687	1,309	24,798	i 954	1 1	6,292
Del, & Hud'n Canai	35,350	1.113,790	43,875	1,304,309	1 8,582	1	190,519
Shamokin	12,537	384,565	10,228	395,860	d 2,309	i	11,296
Trevorton	1,555	36,328	1,470	26,676	d 8	d	9,652
Short Monutain	3,782	63,177	4,236	96,442	i 454	1	33,265
Lykens Valley Co.	2,367	53,868	2,045	64,042	d 322	i	10,174
Hunt'g'n & B'd T'p	5,064	189,714	6,632	213,906	1 1,558	3 1	24,192
Wyomlng South	15,722	290,041	12,848	263,341	d 2,874	d	26,700
Wyoming North		87,721	4,869	65 183		i	22,588
Williamstown Col.	4,368	96,143	4,585	153,840	1 167	i	47,697
Total	340,784	10,652,579		11,056,175 10,652,579		-	
Increase			i 69,744	i 403,596		1.	

Schuylkill Coal Trade.

	AILROAD.		CANAL.
St. Clair	30,871		
Port Carbon	9,079		10,924
Pottsville	3,929		1.926
Schuykill Haven	31,152		21,674
Auburn	8,490		
Port Clinton	13,440		2,224
Company's use	2,795		
Total for week	94,794		36,748
Previously this year	2,398,453		945,750
Total	2,493,247		982,498
Same time last year		,	881,510
Decrease	. 239,233		1 150,989

Lehigh and Susquehanna Railrod Report of Coal shipped for week ending Oct. 17, 1868.

	Tons. Cwt.	Tons, Cwt.
WYOMING REGION.		
Newport Coal Co		
Albrig'ton, Roberts & Co	498 01	8,979 06
New England Coal Co	66 19	851 11
Morgan Mines.		87 18
Warrior Rnn Mining Co		
Parrish & Thomas	1.731 09	18,801 14
New Jersey Coal Co	558 00	12,422 05
Gaylord Mines		224 11
Delaware & Hndson Canal Co	312 08	8,718 17
Lehigh & Susquehanna Coal Co		15 10
Germania Coal Co	562 15	16,689 18
Franklin Coal Co		248 18
Audenreld Improvement Coal Co	1	
Wijkesbarre Coal & Iron Co		236,863 13
Union Coal Co		2,040 07
Mineral Spring Coal Co		6,655 17
		-,000 21
	Newport Coal Co. Albrig'ton, Roberts & Co. New England Coal Co. Morgan Mines. Warrior Run Mining Co. Parrish & Thomas. New Jersey Coal Co. Gaylord Mines. Delaware & Hndson Canal Co. Lehigh & Susquehanna Coal Co. Germanin Coal Co. Franklin Coal Co. Wilkesbarre Coal & Iron Co. Union Coal Co.	WYOMING EEGION Newport Coal Co

Total 12,590 08 Maden 32 00 New York 150 195 Prices of Coal by the Cargo. Prices of Coal by the Cargo Prices of Prices Prices of Coal by the Cargo Prices of C	Section Control Cont		POSSESSION OF THE			Annument communities of the	12,010,000	
Part Description Company Com	The property of the property	H. B. Hillman & Son		128 14		At 'Philadelphia, Oct. 23, 1868.		Foreign Freights.
The company of the	The content of the	Wyoming Coal & Transportation Co.		25 18 249 17	8,837 17	Lehigh L'p and St'mb't., 6 00 Henry Clay, Egg & St Broken and Egg., 6 25 Locust Mount Lump 5 25	5 40	New Castle and Ports on Tyne.
The content of the	The content of the	J. H. Swoyer		585 08		" Chestnut 5 25 Broken	5 75	Australian
The content of the	The content of the	Morris & Essex Mutual Coal Co		651 04			6 50	Bellingham Bay 11 00 Pittston, ton 14 50 15 00 California 7 00 9 00 Seranton 14 00 15 00
The content of the	The content of the	Pine Ridge Colliery		620 04 288 08	7.232 09	W. A. Lump 5 00 5 25 Lorderry Coal 6 00 Broken 5 25 5 50 Shamokin.	6 50	Cumberland cks
The Company of the	The color of the	Consumers Coal Co			4,017 00	"Chestnut		Chai
The content of the	Committee Comm	Other Shippers		291 15	8,121 08			
Property	The part of Land Politics	UPPER LEMIGU REGION.			361,658 10	(Corrected weekly by D. T. & W. P. P. Co.		To Port Richmond, Philadelphia.
Property	The part of Land Politics	Upper Lehigh Other Shippers				Steamer 6 00 Stove 7 25 Grate 6 50 Chestnut 6 25		Philadelphia and Reading Railroad, from Schuyikili Haven
Control of the Cont	April 1997 Control	Total Upper Lehigh Region		3,392 07	105,971 07			Thomback Photobs W. 44
Part	Part	A. Pardee & Co		2,257 05				Lump 60 \$2 00 \$1 10
Profession Company C	Proceedings 1985 1986	Sharpe, Weiss & Co			84,677 18	Steamer. " " Stove " "		Broken 25 2 00 1 75
The Contract of the Contract	Contraction	Harleigh Coal Co		1,224 16	25,979 08	Pea " " Chestait		Stove 25 2 00 2 00
The property of the Control of the Property of the Control of th	The content of the	Ebervale Coal Co	*******	652 19	24,724 05			
Description Company	The content of the	Stout Coal Co		941 11 1,508 05	21,995 01	Lump		
Description Company	The content of the	Ashburton Coal Co			64 06	Steamer 5 50 Stove 6 50 Grate 5 75 Chestnut 5 25		C. R. R., N. J., Easton to Elizabethport
The content of the	Total Station Register.	Pardee Brothers & Co		881 14	7,775 11			2 80
Section Sect	March Marc	Mount Hall (J. s. s.)		400 17		Lump 7 50 Chestnut 6 50		The state of the s
April Company Compan	April Control April Co	Other Shippers	***************************************			Egg 7 25		To Port Johnson
The content of the property of the content of the	Total Creat Region	MAUCH CHUNK REGION.	1	10,632 00	262,686 17	(Corrected by Wilkeshame Cost & Iron Co.)		L. V. R R. C. R. R. of N. J. 92
Table Tabl	**State Charles	Summit Mines			27 15	Lump		
** Man Charle Perform. 1,541 10,541	**Special Class **Design **	Room Run Mines						
## And Cash Refam. 1541 to 1987 1986 1	## And Creak Refair. 1, 15	Total Manch Chunk			22,577 03		695	L. V. B.R. 92
Proceeded Flower from March Chank by Bell. 1,156 or 1,056 or	Provented Seath Des March Class by Ball,	" Manch Chunk Region		1,764 02	22,577 08	Wilkesbarre by cargo or or load \$6.50 @6.75 by retail, per ton of 2,240 by retail, per ton of 2,240	8 50	Shipping Expenses
Proceeded Flower from March Chank by Bell. 1,156 or 1,056 or	Provented Seath Des March Class by Ball,	" Hazleton		3.392 07	262,686 17 104,971 07	Pittston and Plymouth 6 40 6 60 Georges C'k & Cumber- Shanokin R. or W. Ash 6 50 6 75 land f o. h. at Logust	0.00	Total\$2 63
Proceeded Flower from March Chank by Bell. 1,156 or 1,056 or	Provented Seath Des March Class by Ball,		1-	16,468 12	361,658 10	Lykens Valley, R. A 6 80 6 50 Point for shipping 4 90	5 00	To Philadelphia.
Proceeded Flower from March Chank by Bell. 1,156 or 1,056 or	Provented Seath Des March Class by Ball,	Grand Total Corresponding week last year		9.577 18	752,898 17 414,404 09	Cargo prices for shipment south of Shamokin R. or W. Ash. \$6 85	@ 700	From Schuykill Haven to Port Richmond
Proceedings 1985	Procedure April 1997 Apri	Increase		22,679 03	888,489 08	of 21c.) Trevorton R. A 6 50	6 75	
Treat County Co	Total Court Forester Court C	Forwarded South from Manch Chunk	by Rail	14,106 10	324,250 12	W. Ash		No Drawback
Regist of Coal Transported over Laight Valley Saturations Perform of Got Coal Strengers of the present of t	Regist of Coal Transported over high wiley Raily Marky Raily Marky Raily Rai	Delivered on line of L. & S. R. R. ab'v Delivered at Coal Port for shipment by	y canai	1.286 04	57.079 04	George's Creek and Cumberland f. o. b	04:75	
Price work of Gas Coals. Price work of my Country (1) Story of the Coals	Price work of Gas Coals. Price work of Gas C					An advance of twenty cents per ton has recently been allowed bo	atmen	From Mauch Chunk to New Hrunswick, by Lehigh, Del. Div. and Del. &
Process Proc	WHERE SHIPPED PRIOR Table	Report of Coal Transported	over Lehigh	h Valley R	ailroad	advanced.		Raritan Canal
Total Maharer Total Sect Total Court	## WIRLER FIRDLY PROM. 150 150 250 150	For the week ending October 17, 186	68, and previo	usly this seas	on:	October 23, 1868.		Towage 20
1.50 10 2.50 2.5	Total Contract C	WHERE SHIPPED FROM.	WEEK. Tons, Cwt.	Tons Cwt	TOTAL.	Duty, \$1 25 Coarse, Slack. Coarse, S	lack.	To New York via Morris Canal.
Total Name 1.00 10 10 10 10 10 10	Total Mandame 1,20 10 60 60 60 60 60 60 6	Total Mahanoy				Block House \$1 75 @ \$ 75 Westmoreland Co \$8 50	8 00	Lehig Canal \$ 44
Cornect tests	Control Cont	Total II. Lehigh	17,987 18	858,166 05	876,154 07	Lingan	8 00	Towage
Constraint but 19 10 10 10 10 10 10 10	Price of Proving Cols. Price of Price of Proving Cols. Price of Cols. Pric	Total B. Meadow Total Wyoming	11,522 07	351,447 0i	362,969 08	Pictou	5 00	
Processed on Foundary Control of Foreign Contro	Corrected Control Co	Grand total	49 567 09	1.849.807 12	1.897.875.00	Caledonia, 1 60 75		
Corrected workly by \$1.44.12 \$1.65.05 \$1.65.07 \$1.65.07 \$1.65.05 \$1.67.00 \$4.50.05 \$1.65.05 \$1.67.00 \$4.50.05 \$1.67.00 \$1.50.05	Corrected workly by Falestian Bos. 9, Flow Stort, N. F.	Same time last year	47,217 18	1,616,564 04	1,663,782 02			Lehigh toils (net)
Columber	Part	Decrease	,		,	Corrected weekly by PARMETER Runs 95 Pine Street W V		Freight
At Norm Harving for shapen't by quantal. \$4.000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000	All Post Revision II special contains and the last year. Col. Freight Section Col. Freight Col.	Delivered at M. C'k and on line of r'd	48,567 08	1,849,307 12	1,897,875 00	Liverpool Gas Caking\$ 9 50 Liverpool House Cannel 18 00 "Cannel 14 00 " " Orrel. 16 00	19 00 18 00	Total 2 98
Larger Home fore, we', 4.00 10 10.00 11.00 10.00	Table by rule and counted Goods 12 Market 15 M	At Penn Haven for shipm't by canal.		46,770 09	48,594 15	PRICES FROM YARD.		
	Control Freights Control Con	At M Chank for chinment by canal						
Laking Crast Col Tricks Col	Labigs Canal Coal Track Section Part Section Part Section Part	at an online for surplicite by canal.		81,677 08	86,436 04	Liverp'l House Orrel, scr'd. \$18@20 Liverp'l House Can'l, scr'd. \$22 0	0	
## Marker English **Marker En	## MERGE FROM: 160: No. CVT. TORS. CVT. TORS			81,677 08	86,436 04		0	The Speele Market is thus quoted; (Quotations of value in gold.)
Total Sales Society	Total	Total by rail and canal	64,041 12 58,026 19 11,014 18	81,677 08 2,116.248 19 1,710,887 05 405,861 14	2,180,290 11 1,763,414 04 416,876 07	Coal Freights.	0	The Speele Market is thus quoted; (Quotations of value in gold.)
Total Sales Society	Total	Total by rail and canal	64,041 12 58,026 19 11,014 13	81,677 08 2,116.248 19 1,710,387 05 405,861 14	2,180,290 11 1,763,414 04 416,876 07	Coal Freights. (Corrected Weekly).		The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total Sales Society	Total	Total by rail and canal	64,041 12 58,026 19 11,014 13	\$1,677 08 2,116.248 19 1,710,387 05 405,861 14 de. er 38, 1868.	.86,486 04 2,180,290 11 1,763,414 04 416,876 07	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh.		The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total Sales Society	Total	Total by rail and canal	64,041 12 58,026 19 11,014 18 	\$1,677 08 2,116.248 19 1,710,387 05 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15	86,436 04 2,180,290 11 1,763,414 04 416,876 07 TONS. CWT. 294,706 17	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co. Norvelk		The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total	Totals	Total by rail and canal	64,041 12 58,026 19 11,014 13 11 Coal Tracending October	\$1,677 08 2,116.248 19 1,710,387 05 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12	. 86,436 04 2,180,290 11 1,768,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. River. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 New Haven. Albany and Greenbush 55 New Haven.		The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Decrease Cumberland Coal Trade Providence Coal Service C	Comberland Coal Track Coal Franch Coal	Total by rail and canal	64,041 12 58,026 19 11,014 13 	81,677 08 2,116,248 19 1,710,387 05 405,861 14 de. er 38, 1868. TONS. CWT. 113,68 15 4,851 12	2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,524 00 14,522 01	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. River. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 New Haven. Albany and Greenbush 55 New Haven.	\$i 60 . 1 60 . 1 60 . 1 80 . 1 80 . 1 80	The Specie Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Decrease Cumberland Coal Trade Providence Coal Service C	Comberland Coal Track Coal Franch Coal	Total by rail and canal	64,041 12 59,026 19 11,014 13 al Coal Tracending Octobe	81,677 08 2,116,248 19 1,710,857 05 405,561 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 912 15 7,359 02	\$6,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,285 11 216,524 00 14,752 01 141,769 14	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVEA. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Thoy and Greenbush. 55 Coeymans. 45 Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Saggerties and Barrytown. 35 Saggerties and Barrytown. 35 Sag Harbor.	\$i 60 . 1 60 . 1 60 . 1 80 . 1 90 . 1 85 . 1 85	The Specie Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Cartino Content Cont	Combreland Coal Trade.	Total by rail and canal	64,041 12 59,026 19 11,014 13 11 Coal Tracending Octobe	81,677 08 9,116,248 19 1,710,887 05 405,861 14 de. er 38, 1868. TONS. CWT. 118,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06	\$6,436 04 2,180,290 11 1,763,414 04 410,576 07 TONS. CWT. 294,706 17 84,629 08 2,288 11 216,824 00 14,522 01 141,769 14 7601,40 06	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 55 Coeymans. 45 Now London. Nowlesser. New Haven. Albany and Greenbush. 50 Coyasakie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sag Harbor. Rhincheck and Rondont. 30 Rhincheck and New Paltz Land. 25 New Bridgeport. New London. Norwich. Stonington. Stonington. Shincheck and Bridgen. Bristol.	\$1 60 .1 60 .1 60 .1 80 .1 90 .1 85 .1 85 .1 85	The Specle Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
From Cumberland and Pa. Ealtrond, via Cumberland Consolidation Company 4.672 of Millian 5.498 for Mi	From Cumberland and Its Latirond, via Cumberland Commolidation Company 4, 475 off Middland 5, 29 off Middlan	Total by rail and canal	64,041 12 58,026 19 11,014 13 at Coal Tracending October	81,677 08 2,116,248 19 1,710,387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,238 11 216,634 00 14,522 01 141,769 14 7601,40 06 S08,695 12	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2,240 lbs. Troy and West Troy. \$ 55 Albany and Greenbush. 50 Coeymans. 45 Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Saugerties and Barrytown. 35 Saugerties and Barrytown. 35 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Prokeepsie and New Paltz Land. 5 Fishkiil Landing. 20 Fishkiil Landing. 30 Fride Research Code Spring and West Point. 30 Providence.	\$i 60 . 1 60 . 1 60 . 1 80 . 1 90 . 1 85 . 1 85 . 1 95 . 1 95 . 1 95 . 2 00	The Specie Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
From Cumberland and Pa. Ealtrond, via Cumberland Consolidation Company 4.672 of Millian 5.498 for Mi	From Cumberland and Its Latirond, via Cumberland Commolidation Company 4, 475 off Middland 5, 29 off Middlan	Total by rail and canal	64,041 12 58,026 19 11,014 13 41 Coal Trac	\$1,677 08 2,116,248 19 1,710,387 05 405,861 14 de, er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,238 11 216,634 00 14,522 01 141,769 14 7601,40 06 S08,695 12	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2,240 lbs. Troy and West Troy. \$ 55 Albany and Greenbush. 50 Cosymans. 45 Cosymans. 46 Cosyackie and Stuyvesant. 40 Hudson and Catskiil. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Bondont. 30 Po'keepsie and New Paltz Land. 25 Pishtifl Landing. 90 Cold Spring and West Point. 30 Cold Spring and West Point. 30	\$1 60 . 1 60 . 1 60 . 1 80 . 1 90 . 1 85 . 1 85 . 1 85 . 1 95 . 2 00 . 2 00	The Specie Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Borden	Borden	Total by rail and canal	64,041 12 53,026 19 11,014 13 al Coal Tracending Octobe	81,677 08 2,116,248 19 1,710,387 05 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,879 02 3,3386 06 34,223 13 837 07	86,436 04 2,180,290 11 1,763,414 04 416,876 07 TONS, CWT. 294,706 17 84,629 03 2,285 11 216,824 10 141,769 14 7601,40 06 808,695 12 48,555 03	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVEA. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coeymans. 45 Norwich. Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and New Paltz Land. 25 New Houndon. Norwich. Coxsackie and Stuyvesant. 40 Hydste. Sing Sing and West Point. 30 Providence. Sing Sing and Nysek. 50 Pawtucket. Sing Sing and Nysek. 50 New Haven. New Haven. Sing Sing and Nysek. 30 Providence. Sing Sing and Nysek. 50 New Britageport. Sing Sing and Nysek. 50 New Beefford.	\$1 60 . 1 60 . 1 60 . 1 50 . 1 90 . 1 85 . 1 85 . 1 95 . 1 95 . 2 00 . 2 20 . 2 20 . 2 20	The Specie Market is thus quoted:
From Eckhart RR. C. & L. Co	From Echhart ER.	Total by rail and canal	64,041 12 53,026 19 11,014 18 al Coal Tracending Octobe	\$1,677 08 2,116.248 19 1,710,387 06 405,861 14 de. 27 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,991 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltlmore as	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,624 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 nd Ohio Rafl-	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coeymans. 45 Norwich. Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 36 Rhincheck and Rondont. 30 Rhincheck and Rondont. 30 Rhincheck and Rondont. 30 Rhincheck and West Point. 30 Fristol. 30 Fris	\$1 60 .1 60 .1 60 .1 80 .1 90 .1 85 .1 85 .1 85 .1 95 .2 20 .2 20 .2 20 .2 20 .2 20 .2 20 .2 25 .2 25	The Specie Market is thus quoted:
C. & I. Co. Co. S. Co. S. Co. S. Co. S. Co. S. Co. S. Co. Co. S. Co. Co. S. Co. Co. S. Co.	C. & I. Co. Co. Co. Sp. Sp. Co. Co	Total by rail and canal	64,041 12 53,026 19 11,014 13 al Coal Tracending Octobe d Coal Tradents over the terms over the terms of the	\$1,677 08 2,116.248 19 1,710,387 06 405,861 14 de. rr 33, 1868. rons. cwr. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltlmore as	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 nd Obio Rafl- 4,672 07 8,408 08	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coeymans. 45 Norwich. Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 36 Rhincheck and Rondont. 30 Rhincheck and Rondont. 30 Rhincheck and Rondont. 30 Rhincheck and West Point. 30 Fristol. 30 Fris	\$1 60 .1 60 .1 60 .1 80 .1 90 .1 85 .1 85 .1 85 .1 95 .2 20 .2 20 .2 20 .2 20 .2 20 .2 20 .2 25 .2 25	The Specie Market is thus quoted:
Total Sar Farkers Co. 4. 14. 1868. Sar Farkers Co. 4. 14	Total Save	Total by rail and canal	64,041 12 58,026 19 11,014 13 al Coal Tradending Octobe dending Octobe dending Octobe dending Octobe dending Octobe	81,677 08 2,116,248 19 1,710,387 05 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltimore an	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,285 11 216,824 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl-	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2,240 lbs. Troy and West Troy. \$ 55 Albany and Greenbush. 50 Coeymans. 45 Cosymans. 45 Cosymans. 45 Cosymans. 45 Cosymans. 45 Cosymans. 45 Cosymans. 45 Sangerties and Barrytown 35 Sangerties and Barrytown 35 Sangerties and Barrytown 35 Sangerties and Rondont. 36 Po'keepsie and New Paltz Land. 25 Fishkill Landing 97 Cold Spring and West Point. 30 Providence Peckskill. 40 Haverstraw. 45 Sing Sing and Nyack. 50 Tarrytown and Piermont. 50 The coal must be discharged with all reasonable dispatch, at the expense of the consignace, who shall also pay wharfage on the boat. Boatmen will tend guy while unloading.	\$1 60 . 1 60 . 1 60 . 1 60 . 1 90 . 1 85 . 1 85 . 1 85 . 1 95 . 2 90 . 2 20 . 2 20 . 2 20 . 3 10 . 3 10 . 3 10	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Annated 179 15 Franklin 102 148 Franklin	Assessment—Becker M. C. \$25 in gold per share. New Bactlond.	Total by rail and canal	64,041 12 58,026 19 11,014 18 al Coal Tracending Octobe de Coal Trade de Coal Trade dents over the ere as follows:	\$1,677 08 2,116.248 19 1,710,387 05 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltimore and	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,288 11 216,834 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVEA. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coeymans. 45 Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and New Paltz Land. 25 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Rhinebeck and West Point. 30 Po'keepsle and New Paltz Land. 25 Fishkiii Landing. 20 Cold Spring and West Point. 30 Peckskiii. 40 Haverstraw. 45 Sing Sing and Nyack. 50 Pawtucket. Tarrytown and Picrmont. 50 New Bedford. Vonkers. 55 Shoston. 51 The coal imust be discharged with all East Cambridge. 36 The coal imust be discharged with all East Cambridge. 36 The coal must be discharged with all East Cambridge. 36 Salem. 51 Portsmouth 90 Portsmouth	\$1 60 . 1 60 . 1 60 . 1 90 . 1 90 . 1 90 . 1 95 . 1 95 . 1 95 . 1 95 . 2 90 . 2 20 . 2 20 . 3 10 . 3	The Specie Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Annated 179 15 Franklin 102 148 Franklin	Assessment—Becker M. C. \$25 in gold per share. New Bactlond.	Total by rail and canal	d Coal Tradending Octobe d Coal Tradending Octobe d Coal Tradending Octobe d Coal Tradending Octobe	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3836 06 34,223 13 837 07 e. Baltlmore and	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 nd Ohio Rafl- 4,672 07 3,408 06 32 01 103 07 5,365 19	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVEA. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coeymans. 45 Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Sangerties and New Paltz Land. 25 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Rhinebeck and West Point. 30 Po'keepsle and New Paltz Land. 25 Fishkiii Landing. 20 Cold Spring and West Point. 30 Peckskiii. 40 Haverstraw. 45 Sing Sing and Nyack. 50 Pawtucket. Tarrytown and Picrmont. 50 New Bedford. Vonkers. 55 Shoston. 51 The coal imust be discharged with all East Cambridge. 36 The coal imust be discharged with all East Cambridge. 36 The coal must be discharged with all East Cambridge. 36 Salem. 51 Portsmouth 90 Portsmouth	\$1 60 . 1 60 . 1 60 . 1 90 . 1 90 . 1 90 . 1 95 . 1 95 . 1 95 . 1 95 . 2 90 . 2 20 . 2 20 . 3 10 . 3	The Specie Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Piedmont	Pickmont 1,781 12 12 13 13 14 14 15 15 15 15 15 15	Total by rail and canal	64,041 12 53,026 19 11,014 13 sl Coal Tracending Octobe d Coal Tradents over the reas follows: irroad, via Cun	\$1,677 08 2,116.248 19 1,710,387 06 405,961 14 de. rr 33, 1868. rons. cwr. 113,68 15 4,851 12 3,991 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltimore and	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 nd Obio Rafl- 4,672 07 3,408 08 32 01 103 07 \$,365 19 9,571 12	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2,240 lbs. Troy and West Troy. \$ 55 Troy and Greenbush. \$55 New Haven. Albany and Greenbush. \$45 Coxsackie and Stuyvesant. \$40 Hudson and Catakiii \$35 Sangerties and Barrytown. \$35 Elincheck and Kondont. \$90 Fo keepsle and New Paltz Land. \$90 For coal mnst be discharged with all reasonable dispatch, at the expense of the consignee, who shall also pay wharfage on the boat. Boatmen will ten Portsmouth Portsmou	\$1 60 . 1 60 . 1 60 . 1 90 . 1 90 . 1 90 . 1 95 . 1 95 . 1 95 . 1 95 . 2 90 . 2 20 . 2 20 . 3 10 . 3	The Specie Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
New Forces 1,766 12 Section 1,766 13 Section 1,766 14 Section 1,766 15 Section 1,766	Pedmont	Total by rail and canal	d Coal Tradending Octobe and Coal Tradending Octobe d Coal Tradendin	\$1,677 08 2,116.248 19 1,710.387 05 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltimore and	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2,240 lbs. Troy and West Troy. \$ 55 Troy and Greenbush. \$55 New Haven. Albany and Greenbush. \$45 Coxsackie and Stuyvesant. \$40 Hudson and Catakiii \$35 Sangerties and Barrytown. \$35 Elincheck and Kondont. \$90 Fo keepsle and New Paltz Land. \$90 For coal mnst be discharged with all reasonable dispatch, at the expense of the consignee, who shall also pay wharfage on the boat. Boatmen will ten Portsmouth Portsmou	\$1 60 .1 00 .1 1 00 .1	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
New York 1.65 1.6	Note Port	Total by rail and canal	d Coal Tradending Octobe coal Tradending Octobe d Coal Tradending Oc	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltlmore as	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 nd Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2,240 lbs. Troy and West Troy. \$ 55 Troy and Greenbush. \$55 New Haven. Abany and Greenbush. \$55 New London Coxasakie and Stuyvesant. \$40 Hudson and Catskiii. \$35 Sangerties and Barrytown. \$35 Rhinebeck and Rondont. \$36 Rowport. Fishkiil Landing. \$36 Fokeepsie and New Paltz Land. \$36 Rowport. Fishkiil Landing. \$36 Fokeepsie and New Paltz Land. \$36 Fowldence. \$36 Cold Spring and West Point. \$36 For Coal mnst be discharged with all reasonable dispatch, at the expense of the consignee, who shall also pay wharfage on the boat. Boatmen will ten boat. Boatmen will ten boat. Boatmen will reasonable hoot. Boatmen will reasonable hoot. Boatmen will reasonable hoot. Boatmen will reasonable hoot. Boatmen will reasonable Boot. \$36 Freights on Coal Sea-borne from Port Richmond, Philade Oct. 23, 1868.—From Philadeiphia and Reading R. R. Wharves, Philader. \$36 Boston. \$350 New London. \$350 Fordiand. \$350	\$1 60 .1 00 .1 1	The Specie Market is thus quoted:
American S88 66 Barton 155 12 Barton 155 12 Total 155 12 By C. & O. CANAL.—There were despatched from this port, during last week, 13,580.08 tons of Coal, forwarded by the following companies: American 3.09 15 Borden 3.099 15 Borden 1.0445 01 Control 1.045 01	American	Total by rail and canal	d Coal Tradending Octobe and Coal Tradending Octobe coal Tradending Octobe d Coal Tradending Octobe d Coal Tradending Octobe and Coal Tradending Octobe d Coal Tradendin	81,677 08 2,116,248 19 1,710,387 05 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltlmore anaberland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,285 11 216,524 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 nd Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 8,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1764 19	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 Troy and Greenbush 50 Coxsackie and Greenbush 50 New London Coxsackie and Stuyvesant 40 Hudson and Catskiii 35 Sangerties and Barrytown 35 Sangerties and Barrytown 35 Sangerties and Barrytown 35 Sangerties and Rondont 39 Po'keepsie and New Paltz Land 25 Fishkiil Landing	\$1 60 1 1 60 1 1 60 1 1 85 1 1 85 2 00 1 1 85 2 00 2 10 1 85 2 2 00 2 10 1 85 2 2 20 2 1 1 95 2 2 20 2 1 1 95 2 2 20 2 1 1 95 2 2 20 2 2 1 1 95 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total	By C. & O. Canal.—There were despatched from this port, during last week, 15,560.08 tons of Coal, forwarded by the following companies: American	Total by rail and canal	d Coal Tradending Octobe and Coal Tradending Octobe d Coal Tradendin	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltlmore as	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 nd Ohio Rafl- 4,672 07 3,408 05 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 551 15 1,587 05 2,590 18	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 Troy and Greenbush 50 Coxsackie and Greenbush 50 New London Coxsackie and Stuyvesant 40 Hudson and Catskiii 35 Sangerties and Barrytown 35 Sangerties and Barrytown 35 Sangerties and Barrytown 35 Sangerties and Rondont 39 Po'keepsie and New Paltz Land 25 Fishkiil Landing	\$1 60 1 1 60 1 1 85 1 1 85 2 00 1 1 85 2 00 2 10 1 1 85 2 00 2 10 1 85 2 2 00 2 1 10 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 85 2	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total 12,50 08 Maiden 24 Albany 150 160 160 160 160 160 160 160 160 160 16	Total 12,550 08 Prices of Coal by the Cargo. Prices of Coal by the Cargo. Corrected Weekly Albany State Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 State	Total by rail and canal	d Coal Tradends over the read of solious. d Coal Tradends over the read of solious.	\$1,677 08 2,116.248 19 1,710,887 05 405,861 14 de. er \$3, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltimore anderland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,285 11 216,824 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 511 15 511 15 510 15 52,502 18 828 95	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 Troy and Greenbush 50 Coeymans 45 Coxasckie and Greenbush 50 Coxasckie and Stanytesant 40 Hudson and Catskiii 35 Sangerties and Barrytown 35 Sangerties and Barrytown 35 Sangerties and Barrytown 35 Sangerties and Meet Point 30 Po'keepsie and New Paltz Land 25 Fishkiil Landing 25 Cold Spring and West Point 30 Providence 9 Cold Spring and West Point 30 Haverstraw 45 New Bedford 9 Tarrytown and Piermont 50 Tarrytown and Piermont 50 Tarrytown and Piermont 50 Tarrytown shall also pay wharfage on the boat. Boatnen will ten fage on the boat. Boatnen will ten boat. Boatnen will reasonable dispatch, at the expense of Salem 9 Freights on Coal Sea-borne from Port Richmond, Philade Oct. 23, 1868.—From Philadelphia and Reading R. R. Wharves, Ph. Bangor 350 Providence 300 Cohasset Narrows	\$1 60 1 1 60 1 1 85 1 1 85 2 00 1 1 85 2 00 2 10 1 1 85 2 00 2 10 1 85 2 2 00 2 1 10 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 85 2	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total 12,50 08 Maiden 24 Albany 150 160 160 160 160 160 160 160 160 160 16	Total 12,550 08 Prices of Coal by the Cargo. Prices of Coal by the Cargo. Corrected Weekly Albany State Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 State	Total by rail and canal	d Coal Tradending Octobe as follows: road, via Cun	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. rr 33, 1868. rons. cwr. 113,68 15 4,851 12 3,991 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltimore as	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,634 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Obio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 1,587 05 511 15 1,587 05 155 12	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 Troy and Greenbush 50 Coxeackie and Stuyvesant 40 Hudson and Catskiii	\$1 60 1 1 60 1 1 85 1 1 85 2 00 1 1 85 2 00 2 10 1 1 85 2 00 2 10 1 85 2 2 00 2 1 10 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 85 2	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total 12,50 08 Maiden 24 Albany 150 160 160 160 160 160 160 160 160 160 16	Total 12,550 08 Prices of Coal by the Cargo. Prices of Coal by the Cargo. Corrected Weekly Albany State Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 State	Total by rail and canal	d Coal Tradending Octobe as follows: road, via Cun	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. rr 33, 1868. rons. cwr. 113,68 15 4,851 12 3,991 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltimore as	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,634 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Obio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 1,587 05 511 15 1,587 05 155 12	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 Troy and Greenbush 50 Coxeackie and Stuyvesant 40 Hudson and Catskiii	\$1 60 1 1 60 1 1 85 1 1 85 2 00 1 1 85 2 00 2 10 1 1 85 2 00 2 10 1 85 2 2 00 2 1 10 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 85 2	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total 12,50 08 Maiden 24 Albany 150 160 160 160 160 160 160 160 160 160 16	Total 12,550 08 Prices of Coal by the Cargo. Prices of Coal by the Cargo. Corrected Weekly Albany State Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 State	Total by rail and canal	d Coal Tracending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. r 33, 1868. rons. cwr. 113,68 15 4,851 12 3,991 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 e. Baltlmore as aberland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,634 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 1,761 12 5,1761 12 1,761 12 5,1761 12 1,587 05 2,502 18 828 05 155 12 , during last 8: 3,039 15	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 Troy and Greenbush 50 Coxeackie and Stuyvesant 40 Hudson and Catskiii	\$1 60 1 1 60 1 1 85 1 1 85 2 00 1 1 85 2 00 2 10 1 1 85 2 00 2 10 1 85 2 2 00 2 1 10 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 85 2	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total 12,50 08 Maiden 24 Albany 150 160 160 160 160 160 160 160 160 160 16	Total 12,550 08 Prices of Coal by the Cargo. Prices of Coal by the Cargo. Corrected Weekly Albany State Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 State	Total by rail and canal	64,041 12 58,026 19 11,014 13 sl Coal Tracending Octobe d Coal Tradending Octobe d Coal Tradending Octobe d Coal Tradending Octobe coal Tradending Octobe d Coal Tradendi	\$1,677 08 2,116,248 19 1,710,387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 de. Baltlmore an aberland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 . TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5,161 12 5,161 12 5,176 12 5,187 05 2,502 18 8,28 05 155 152 , during last s: 3,039 15 1,645 01	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2,240 lbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coysackie and Stuyvesant. 40 Hudson and Catskiii. 45 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Rhinebeck and Hondont. 30 Po'keepsie and New Paltz Land. 25 Fishkiil Landing. 29 Fishkiil Landing. 29 Fishkiil Landing. 30 Fo'keepsie and New Paltz Land. 25 Sangerties and New Paltz Land. 25 Fishkiil Landing. 30 Fo'keepsie and New Paltz Land. 25 The coal mnst be discharged with all reasonable dispatch, at the expense of the consignee, who shall also pay wharfage on the boat. Boatmen will tend guy while nnioading. Freights on Coal Sea-borne from Port Richmond, Philade Oct. 23, 1868.—From Philadeiphia and Reading R. R. Wharves, Philagnor. 350 Providence. 350 Providence. 350 Providence. 360 New Bedford. 360 New Bedford. 360 New Bedford. 360 New Bedford. 360 New London. 370 New London. 381 Ochasset Narrows. 344 Salman. 350 New London. 360 New Bedford. 360 New Be	\$1 60 1 1 60 1 1 85 1 1 85 2 00 1 1 85 2 00 2 10 1 1 85 2 00 2 10 1 85 2 2 00 2 1 10 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 85 2	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
Total 12,50 08 Maiden 24 Albany 150 160 160 160 160 160 160 160 160 160 16	Total 12,550 08 Prices of Coal by the Cargo. Prices of Coal by the Cargo. Corrected Weekly Albany State Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 Schnylkill Chestnut 46 50 State	Total by rail and canal	d Coal Tracending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. r 33, 1868. rons. cwr. 113,68 15 4,851 12 3,991 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 e. Baltlmore anaberland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,624 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,693 10 179 15 102 14 212 02 1,761 12 511 15 1,587 05 2,502 18 828 05 155 112 , during last 8: 3,039 15 1,645 01 4,127 04 2,550 02 2,106 07	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2,240 lbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coysackie and Stuyvesant. 40 Hudson and Catskiii. 45 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Rhinebeck and Hondont. 30 Po'keepsie and New Paltz Land. 25 Fishkiil Landing. 29 Fishkiil Landing. 29 Fishkiil Landing. 30 Fo'keepsie and New Paltz Land. 25 Sangerties and New Paltz Land. 25 Fishkiil Landing. 30 Fo'keepsie and New Paltz Land. 25 The coal mnst be discharged with all reasonable dispatch, at the expense of the consignee, who shall also pay wharfage on the boat. Boatmen will tend guy while nnioading. Freights on Coal Sea-borne from Port Richmond, Philade Oct. 23, 1868.—From Philadeiphia and Reading R. R. Wharves, Philagnor. 350 Providence. 350 Providence. 350 Providence. 360 New Bedford. 360 New Bedford. 360 New Bedford. 360 New Bedford. 360 New London. 370 New London. 381 Ochasset Narrows. 344 Salman. 350 New London. 360 New Bedford. 360 New Be	\$1 60 1 1 60 1 1 85 1 1 85 2 00 1 1 85 2 00 2 10 1 1 85 2 00 2 10 1 85 2 2 00 2 1 10 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 1 85 2 0 1 85 2 0 1 1 85 2 0 1 85 2	The Speele Market is thus quoted; (Quotations of value in gold.) American Gold, Old Coinage
At New York, Oct. 23, 1868. Schnylkill R. A., cholec. \$8 00 \$ Schnylkill Chestnut. \$6 50 "Ordinary. 7 75 "W. A. Lump. 6 50 "Broken. 7 25 "Steamboat. 6 75 "Broken. 7 25 "Broken. 7 25 "Broken. 7 25 "Store. 7 50 "Marcham. 2 20 "Portland. 2 20 "Portland. 2 20 "Portland. 2 75 "Wareham. 2 20 "Portland. 2 75 "Port	At New York, Oct. 23, 1868. Schnylkill R. A., choice, \$8 00 \$ Schnylkill Chestnut. \$6 50	Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 05 405,861 14 de. er 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 887 07 e. Baltimore as aberland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5,507 15 5,161 12 5,507 15 5,507 1	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVEA. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coeymans. 45 Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Po'keepsle and New Paltz Land. 25 New London. 30 Po'keepsle and New Paltz Land. 25 Newport. 51 Sing Sing and Nyack. 30 Previdence. 30 Yonkers. 55 The coal imms be discharged with all East Cambridge. 31 Yonkers. 55 The coal imms be discharged with all East Cambridge. 32 Yonkers. 55 The coal must be discharged with all East Cambridge. 36 Yonkers. 350 Yonkers. 350 New Bedford. 360 Lynn. 360 Lynn. 360 Lynn. 37 New Bedford. 360 Salem. 37 New Bedford. 360 Lynn. 360 Lynn. 37 New Bedford. 360 Lynn. 37 New Bedford. 360 Salem. 37 New Bedford. 360 Lawrence. 360 Lawrence. 360 Lawrence. 360 Cambridgeport. 361 Cambridge. 361 Cam	\$1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 80 1 1 80 1 1 85 1 85 1 1 85 1 1 85 1 1 85 1 85 1 1 85 1	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
At New York, Oct. 23, 1868. Schnylkill R. A., cholec. \$8 00 \$ Schnylkill Chestnut. \$6 50 "Ordinary. 7 75 "W. A. Lump. 6 50 "Broken. 7 25 "Steamboat. 6 75 "Broken. 7 25 "Broken. 7 25 "Store. 7 50 "Marcham. 2 20 — Portland. 2 20 "Portland. 2 20 "Portlan	At New York, Oct. 23, 1868. Schnylkill R. A., choice, \$8 00 \$ Schnylkill Chestnut. \$6 50	Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. or 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 887 07 e. Baltimore as aberland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5511 15 1,587 05 2,502 18 828 05 155 12 , during last s: 3,039 15 1,645 01 4,127 04 2,170 07 1,422 06 689 13	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVEA. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coeymans. 45 Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Po'keepsle and New Paltz Land. 25 New London. 30 Po'keepsle and New Paltz Land. 25 Newport. 51 Sing Sing and Nyack. 30 Previging and West Point. 30 Previging and New Paltz Land. 25 New Bedford. 30 Vonkers. 55 New Bedford. 300 Lynn. 350 Lynn. 360 Lynn. 360 Lynn. 37 New Bedford. 360 Lynn. 37 New Bedford. 360 Lynn. 37 New Bedford. 360 Salem. 37 New London. 360 Lynn. 360 Lynn. 37 New Bedford. 360 Lynn. 37 New Bedford. 360 Lynn. 37 New Bedford. 360 Salem. 37 New Bedford. 360 Lawrence. 360 Lawrence. 360 Lawrence. 360 Salem. 37 New Bedford. 360 Salem. 37 New Bedford. 360 Lawrence. 360 Lawrence. 360 Salem. 37 New Bedford. 360 Salem. 37 New Bedford. 360 Salem. 37 New Bedford. 360 Lawrence. 360 Lawrence. 360 Lawrence. 360 Salem. 37 New Bedford. 360 Salem. 360 Lawrence. 360 Salem. 360 Lawrence. 360 Salem. 360 Lawrence. 360 Salem. 360 Cambridge-port. 360 Cambridge	\$1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 80 1 1 80 1 1 85 1 85 1 1 85 1 1 85 1 1 85 1 85 1 1 85 1	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
At New York, Oct. 23, 1868. Schnylkill R. A., cholec. \$8 00 \$ Schnylkill Chestnut. \$6 50 "Ordinary. 7 75 "W. A. Lump. 6 50 "Broken. 7 25 "Steamboat. 6 75 "Broken. 7 25 "Broken. 7 25 "Store. 7 50 "Marcham. 2 20 — Portland. 2 20 "Portland. 2 20 "Portlan	At New York, Oct. 23, 1868. Schnylkill R. A., choice, \$8 00 \$ Schnylkill Chestnut. \$6 50	Total by rail and canal	d Coal Tradending Octobe despatched from the coal tradending Octobe despatched from the coal tradending Octobe	\$1,677 08 2,116.248 19 1,710.387 05 405,861 14 de, 27 38, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 6. Baltimore an aberland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5511 15 1,587 05 2,502 18 828 05 155 12 , during last s: 3,039 15 1,645 01 4,127 04 2,120 07 1,422 06 689 13	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVEA. On "Pitston" Coal, by boats and barges of the Pennsylvania Coal Coper ton of 2240 fbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coeymans. 45 Coxsackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Rhinebeck and Rondont. 30 Rhinebeck and Rondont. 30 Po'keepsle and New Patz Land. 25 New London. 30 Po'keepsle and New Patz Land. 25 Newport. 51 Fishkiil Landing. 20 Cold Spring and West Point. 30 Peckskiii. 40 Haverstraw. 45 Sing Sing and Nyack. 50 Pawrucket. 30 Tarrytown and Piermont. 50 New Bedford. 30 Yonkers. 55 The coal imust be discharged with all East Cambridge. 36 Salem. 45 Portland. 350 Lynn. 360 Lynn. 360 Lynn. 360 Salem. 350 Lynn. 37 New Bedford. 300 Lynn. 360 Salem. 350 Lwen. 360 Lwen. 37 New Bedford. 300 Salem. 350 Lwen. 37 New Bedford. 300 Salem. 350 New Rochelie. 130 Cambridge. 340 Salem. 350 New Rochelie. 130 Cambridge. 340 Salem. 350 New Rochelie. 130 Cambridge. 340 Wilminashurg. 350 Portland. 350 New Rochelie. 130 Harkem. 350 H	\$1 60 0 1 1 60 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 8 1 8	The Specle Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
Steamboat. 6 75 "Egg 7 25 Wareham 2 20 — Portland 2 75 Portsmouth 3 00 Feg 7 75 "Chestnut 7 50 Middletown. 1 85 — Portsmouth 3 00 Stove 7 75 Stove 7 75 Shamokin. 7 50 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence	** Steamboat. 6 75	Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116,248 19 1,710,387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 1113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3836 06 34,223 13 837 07 e. Baltlmore as aberland	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5511 15 1,587 05 2,502 18 828 05 155 12 , during last s: 3,039 15 1,645 01 4,127 04 2,120 07 1,422 06 689 13	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coysackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Shinebeck and Rondont. 30 Rivincheck and Rondont. 30 Reverstraw. 40 Rivincheck and Rondont. 30 Reverstraw. 40 Raysia and Nyack. 50 Pawtinchect. 30 Rew Bedford. 30 Rew Bedford. 30 Rew Bedford. 30 Rew Bedford. 30 Rew London. 30 Rew Redford. 30 Rew Red	\$1 60 1 1 60 1 1 1 60 1 1 1 60 1 1 1 60 1 1 1 60 1 1 1 60 1 1 1 80 1 1 1 1	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
Steamboat. 6 75 "Egg 7 25 Wareham 2 20 — Portland 2 75 Portsmouth 3 00 Feg 7 75 "Chestnut 7 50 Middletown. 1 85 — Portsmouth 3 00 Stove 7 75 Stove 7 75 Shamokin. 7 50 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence 1 75 New Bedford. 1 80 — 1 rovidence	** Steamboat. 6 75	Total by rail and canal	d Coal Tracending Octobe d Coal Tracending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 de. Baltlmore as aberland companie	86,436 04 2,180,290 11 1,763,414 04 416,576 07	Coal Freights. (Corrected Weekly). Rates of Freight from Newburgh. RIVER. On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy. \$ 55 Troy and Greenbush. 50 Coysackie and Stuyvesant. 40 Hudson and Catskiii. 35 Sangerties and Barrytown. 35 Sangerties and Barrytown. 35 Shinebeck and Rondont. 30 Rivincheck and Rondont. 30 Reverstraw. 40 Rivincheck and Rondont. 30 Reverstraw. 40 Raysia and Nyack. 50 Pawtinchect. 30 Rew Bedford. 30 Rew Bedford. 30 Rew Bedford. 30 Rew Bedford. 30 Rew London. 30 Rew Redford. 30 Rew Red	\$1 60 1 1 60 1 1 1 60 1 1 1 60 1 1 1 60 1 1 1 60 1 1 1 60 1 1 1 80 1 1 1 1	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
"Egg 7 75 "Chestnut 7 50 Middletown 1 85 — Portsmouth 8 00 To Stove 7 75 Shamokin 7 50 New Bedford 1 80 — I rovidence 1 7 50 New Bedford 1 80 — I rovidence 1 7 50 New Bedford 1 80 — Salem 2 50 — has been created in Heidelberg township, Berks County, by a discovery of a New Bedford 1 25 — Augusta 3 25 — with of pure anthractic coal, on the farm of James 8, Hill, Esq., of that township. PA Salvill 600 PA Salvi	"Egg 7 75 "Chestnut 7 50 "Middletown 1 55 — Portsmouth 3 00 Store 7 75 Shamokin 7 50 New Bedford 1 59 — I rovidence 1 75 New Diam'd Veln R.A.,Sch kill 8 00 Old Co.'s W. A. Lehigh 7 50 Show W. A. Lehigh 7 50 To Seed of the	Total by rail and canal	d Coal Tracending Octobe d Coal Tracending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 de. Baltlmore as aberland companie	86,436 04 2,180,290 11 1,763,414 04 416,576 07	Coal Freights Corrected Weekly Rates of Freight from Newburgh Rayles On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Copert on of 2249 fbs. Troy and West Troy \$55 New Haven Stranford St	\$1 60 0 1 1 60 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80 1 1 80	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
	Locust Daie W. A., " 7 75 Mt. Pleasant 7 25 Mt. Pleasant 7 25 Mt. Pleasant 7 25 TO NEW YORK. TO BOSTON.	Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. rr 33, 1868. ross. cwr. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 837 07 e. Baltimore and the series of	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,634 00 14,522 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Obio Rafl- 4672 07 3,408 08 32 01 103 07 3,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 1,587 05 1,761 12 1,587 05 1,151 15 1,587 05 1,587 05 1,581 15 1,581 15 1,587 05 1,581 15 1,581 15 1,581 06 1,581 07 1,482 06 1,581 07 1,482 06 1,581 07 1,482 06 1,581 07 1,482 06 1,581 07 1,482 06 1,581 07 1,482 06 1,581 07 1,482 06 1,581 07 1,482 06 1,581 07 1,582 08	Coal Freights Corrected Weekly Rates of Freight from Newburgh RAYER On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 New Haven Abhany and Greenbush 50 New London Coxsackie and Stuyvesant 45 Norwich Coxsackie and Stuyvesant 45 Norwich Coxsackie and Stuyvesant 46 Mystie Stonington Stangerties and Barrytown 35 Sag Harbor Shincheck and Rondont 36 Bristol Polyceopte and New Paitz Land 25 Sewport Fishtill Landing 20 Cold Spring and West Point 30 Providence Peckskiil 40 Haverstraw 45 New Dort Sing Sing and Nyack 50 Pawthacket Sing Sing and Sing Sing and his pay wharfage on the boat Boatnen will tend guy while unloading Project Salem Portsmouth	\$1 60 1 1 60 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
	Locust Daie W. A., " 7 75 Mt. Pleasant 7 25 Mt. Pleasant 7 25 Mt. Pleasant 7 25 TO NEW YORK. TO BOSTON.	Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. rr 33, 1868. rons. cwr. 1118.68 15 4,851 12 3,891 20 912 15 7,359 02 3,3886 06 34,223 13 887 07 e. Baltimore and berland bom this porting companie Cargo. 868. Chestnut. L'pold Co. cen.	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5,507 18 2,502 18 828 05 155 12 , during last s: 3,039 15 1,645 01 4,127 04 2,176 07 1,422 06 659 13 12,580 08 46 50 7 75 7 25 7 25 7 25 7 25 7 50 7 25 7 50	Coal Freights Corrected Weekly Rates of Freight from Newburgh RAYER On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 New Haven Abhany and Greenbush 50 New London Coxsackie and Stuyvesant 45 Norwich Coxsackie and Stuyvesant 45 Norwich Coxsackie and Stuyvesant 46 Mystie Stonington Stangerties and Barrytown 35 Sag Harbor Shincheck and Rondont 36 Bristol Polyceopte and New Paitz Land 25 Sewport Fishtill Landing 20 Cold Spring and West Point 30 Providence Peckskiil 40 Haverstraw 45 New Dort Sing Sing and Nyack 50 Pawthacket Sing Sing and Sing Sing and his pay wharfage on the boat Boatnen will tend guy while unloading Project Salem Portsmouth	\$1 60 1 1 60 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
Locust Dale W. A., 4. 7 75 Mt. Pleasant. 7 95 Provincial Freignts.		Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. r 33, 1868. rons. cwr. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 e. Baltlmore an aberland Dom this port. Ing companie Cargo. 868. Chestnut L'pold Co	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS. CWT. 294,706 17 84,629 03 2,288 11 216,624 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 511 15 1,527 05 2,502 18 828 05 1,551 12 , during last 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8: 8:	Coal Freights Corrected Weekly Rates of Freight from Newburgh RAYER On "Pittston" Coal, by boats and barges of the Pennsylvania Coal Co., per ton of 2240 lbs. Troy and West Troy \$ 55 New Haven Abhany and Greenbush 50 New London Coxsackie and Stuyvesant 45 Norwich Coxsackie and Stuyvesant 45 Norwich Coxsackie and Stuyvesant 46 Mystie Stonington Stangerties and Barrytown 35 Sag Harbor Shincheck and Rondont 36 Bristol Polyceopte and New Paitz Land 25 Sewport Fishtill Landing 20 Cold Spring and West Point 30 Providence Peckskiil 40 Haverstraw 45 New Dort Sing Sing and Nyack 50 Pawthacket Sing Sing and Sing Sing and his pay wharfage on the boat Boatnen will tend guy while unloading Project Salem Portsmouth	\$1 60 1 1 60 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
	Spring M'n " 6 50' 7 50 H. Heils, E. F'klin, Lorb. 8 00 Lingan Lingan 2 25 ademy of Science, held at Norfhampton, Mass., last week, read a paper on "A 50 New England Red Ash. 7 00 7 50 Cow Bay 150 C	Total by rail and canal	d Coal Tracending Octobe d Coal Tracending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 de. Baltlmore as aberland companie companie Cargo. 868. Chestnut L'pold Co. cen. cen.	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Raff- 4,672 07 3,408 00 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5,507 15 2,502 18 8,28 05 1,51 15 1,587 05 2,502 18 8,28 05 1,51 19 4,127 04 2,106 07 1,422 06 689 13 12,580 08 12,580 08 12,580 08 12,580 08 13 12,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 17 1,580 08	Coal Freights Corrected Weekly Rates of Freight from Newburgh EASTERN	\$1 60 1 1 60 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90 1 1 90	The Specie Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
Spring M'n " 6 50' 7 50 H. Heils, E. F'klin, Lorb. 8 00 Lingan. Lingan. 2 25 ademy of Science, held at Northampton, Mass., last week, read a paper on "A Sugar Creek " " 7 50 New England Red Ash., 7 00 7 50 Cow Bay new Borse from the Mine Hill Sussex Co., N. J." This is an entirely new	Sugar Loaf Wyoming Too Port Calidonia 4 25 Port Calidonia 3 00 mineral inst discovered. It is called Sussexite, and is a borate of magnesia	Total by rail and canal	d Coal Tracending Octobe d Coal Tracending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 de. Baltlmore as aberland companie companie Cargo. 868. Chestnut L'pold Co. cen. cen.	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Raff- 4,672 07 3,408 00 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5,507 15 2,502 18 8,28 05 1,51 15 1,587 05 2,502 18 8,28 05 1,51 19 4,127 04 2,106 07 1,422 06 689 13 12,580 08 12,580 08 12,580 08 12,580 08 13 12,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 15 1,580 08 17 1,580 08	Coal Freights.	\$1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 95 1 1 95 1 1 95 2 90 1 2 2 10 2 2 10 2 2 10 3 40 0 3 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 10 1 1 1 1	The Speele Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
Sugar Loaf " Wyoming 700 Port Calidonia 4 25 Port Calidonia 3 00 mineral, inst discovered. It is called Sussexite, and is a borate of magnesia	Dealers in these Coals may be found in our advertising columns. Little Glace Ray. 4 09 Little Glace Bay. 2 75 and manganese.	Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 de. Baltlmore an aberland companie companie Cargo. 868. Chestnut L'pold Co. cen. 4. Lehigh At Lehigh	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5,1645 01 4,127 04 2,106 07 1,422 06 689 13 12,580 08 12,580 08 12,580 08 12,580 08 13,099 15 1,645 01 4,127 04 2,106 07 1,422 06 689 13 12,580 08 12,580 08 12,580 08 12,580 08 12,580 08 12,580 08 13 12,580 08 15,581 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 16,781 09 17,781 09 17,781 09 18,78	Coal Freights.	\$1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 95 1 1 95 1 1 95 2 90 1 2 2 10 2 2 10 2 2 10 3 40 0 3 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 10 1 1 1 1	The Speele Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
Dealers in these Coals may be found in our advertising columns. Little Glace Bav. 4 09 Little Glace Bav. 2 75 and manganese.		Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 de. Baltlmore an aberland companie companie Cargo. 868. Chestnut L'pold Co. cen. 4. Lehigh At Lehigh	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5,1645 01 4,127 04 2,106 07 1,422 06 689 13 12,580 08 12,580 08 12,580 08 12,580 08 13,099 15 1,645 01 4,127 04 2,106 07 1,422 06 689 13 12,580 08 12,580 08 12,580 08 12,580 08 12,580 08 12,580 08 13 12,580 08 15,581 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 16,781 09 17,781 09 17,781 09 18,78	Coal Freights.	\$1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 95 1 1 95 1 1 95 2 90 1 2 2 10 2 2 10 2 2 10 3 40 0 3 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 10 1 1 1 1	The Speele Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage
Dealers in these Coals may be found in our advertising columns. Little Glace Bay		Total by rail and canal	d Coal Tradending Octobe d Coal Tradending	\$1,677 08 2,116.248 19 1,710.387 06 405,861 14 de. ar 33, 1868. TONS. CWT. 113,68 15 4,851 12 3,891 20 912 15 7,359 02 3,3386 06 34,223 13 837 07 de. Baltlmore an aberland companie companie Cargo. 868. Chestnut L'pold Co. cen. 4. Lehigh At Lehigh	86,436 04 2,180,290 11 1,763,414 04 416,576 07 TONS, CWT. 294,706 17 84,629 03 2,288 11 216,824 00 14,722 01 141,769 14 7601,40 06 808,695 12 48,555 03 and Ohio Rafl- 4,672 07 3,408 08 32 01 103 07 5,365 19 9,571 12 1,964 09 4,093 10 179 15 102 14 212 02 1,761 12 5,1645 01 4,127 04 2,106 07 1,422 06 689 13 12,580 08 12,580 08 12,580 08 12,580 08 13,099 15 1,645 01 4,127 04 2,106 07 1,422 06 689 13 12,580 08 12,580 08 12,580 08 12,580 08 12,580 08 12,580 08 13 12,580 08 15,581 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 15,781 09 16,781 09 17,781 09 17,781 09 18,78	Coal Freights.	\$1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 60 1 1 95 1 1 95 1 1 95 2 90 1 2 2 10 2 2 10 2 2 10 3 40 0 3 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 10 1 1 1 1	The Speele Market is thus quoted: (Quotations of value in gold.) American Gold, Old Coinage

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THE PACIFIC RAILROADS -- HOW ARE THEY CONSTRUCTED?

A shrewd observer once said to us, "The active public of the Pacific Slope is divided into two classes-those who have 'got a good thing,' and those who haven't got it, but each other." Whatever truth there was in our friend's remark was equally applicable to the Atlantic Slope; and certainly it finds one confirming illustration in the history of the Pacific Railroads.

The opportunity to build a Pacific Railroad went a-begging for years. Nobody was sure it would pay, even with Governmental assistance. After the present bill was passed by Congress, the parties who undertook the enterprise were virtually unable to put it into active form. They could not sell bonds; they could not find responsible contractors who would undertake the unknown difficulties of the work-except at exorbitant prices. In fact, it seemed as if no amount of national aid and encouragement would ever bridge the weary plains from the Missouri to the Rocky Mountains, and the desolate wastes beyond. The the Missouri last winter at Omaha, to facilitate the crossing croakers were as numerous as grasshoppers of a summer night. The road would never be built; it was a mere political trick, a catchward for the people, etc., etc. Even the spring; yet the mere saving in handling of rails and its warmest friends talked about ten years as the period required for its construction.

But meu of energy and foresight, who saw there was money in it, took hold of the great work at both ends. The difficulties vanished, or were surmounted. The whole world looked on with admiration, and took new lessons in the art of doing things. By a well-contrived system of emulation, the two companies were stimulated into a sort of race; and while English journals were still saying, "The Americans are a fast people; but this laying two miles of track in a day is a little too big a story," the iron rails were shooting towards their central junction, like needles of ice over a freezing lake, at the rate of three, four, five, six miles in a day.

Now, those who were afraid to take up this enterprise have found out that it is a very profitable thing for those who did take it up. No doubt it is. We hope that every man of them will make a handsome fortune, as he deserves.

It is not often that men seek and find wealth in ways so capitalists.

money of the people were being pocketed without any

commissioners—General BLAIR and the rest—are unreliable, then let new ones be appointed. The interest of the country should be fully protected. Meanwhile, however, the clamor of the opponents of the two companies, that the road, especially at the eastern end, is a flimsy, swindling affair, is not based on any careful examination or responsible opinion. Numerous respectable and competent men have declared (some of them on oath) that it is well built. Who has ever pledged his name to the contrary opinion? All that the croakers c'aim is that their assertions are "notoriously true." We have a much better right to say, from personal experience, that they are notoriously false.

We rode over the whole line of both roads a month or two ago. The worst piece of track was on the Humboldt Valley, on the Central Pacific. The best was in the Sierra Nevada, on the same road. The Union Pacific strikes the traveler instantly as one of the smoothest roads in the country. This is probably due to three things. The ties are more numerous than those of most railways; the rails are united by the new fish-plate, instead of being loosely held by the old fashioned chair, and the road-bed, even where it has not yet been ballasted, is (at least in the summer season) very firm. The durability of pine ties is a matter of some uncertainty; but judging from the experience of the mines of Nevada, where pine is used for timbering, they will last a long time.

The road-bed of the Central Pacific is very good in the Sierra, of course. Tunnelling through granite has at least this advantage; it leaves a floor at which nobody can carp. So far as we could see, the Central Pacific people have taken no more pains with their grading than the others. The bad piece of road to which we alluded, was laid in a great hurry, and the section-men, whose business it was to follow along and complete it, had not yet got to that point. The Union Pacific seemed to do better work the first time, for we rode over a portion of its track not two days old, and found it as solid as the rest. But this is a difference of method merely. Comparing the completed tracks of both companies, we should not know which to

We thought the culverts of both companies, but especially those of the Central, too small. Mentioning this to a fellow-traveler, we received the reply that no one had ever observed the exact amount of water coming down the gorges in the time of rains; and, in his opinion, the appearances we observed were produced by a little water, working a great while. Any man who has seen the gulfs by the overland road, near Austin, produced by the melting of the snows of a single winter, or the channels cut by the Trucker wish they had. These two classes are always at feud with and the Humboldt in their respective valleys, will appreciate the above remark. The culverts on the Central are of stone, and quite good enough, if they are large enough.

As we were riding over the Union road, we fell into conversation with one of those knowing people who delight in displaying their information. "It is an outrage, sir," said he; "the company gets \$48,000 per mile for this part of the road; and I would be willing, sir, to contract to build it for \$36,000!" Next morning, we handed our knowing companion a paper, containing the news that the company had just received \$32,000 per mile for that very part of the road; and he "subsided." People talk very smartly about what it costs to build a road, but they do not know much about it. The Union Pacific Company bridged of material. The bridge cost them some \$30,000, and was carried away and totally lost (as they expected it to be) in other supplies paid the whole cost of it. High prices, high wages, long distances from base of supplies-these things

mean money spent. Next week we shall consider the prospects of the Pacific Railroad as a working road.

THE TWIN RIVER COMPANY.

The announcement that the Twin River Company, by its Trustees, has formally gone into bankruptcy, is certainly a piece of astounding information. No one can be more surprised at it than we, who very recently visited the Twin River mine, and left it, after a careful examination, in the firm belief of the future success of the Company. It is true, we foresaw that the mill must be stopped, in order to secure (what the Company, with all its landable endeavors never yet attained) adequate reserves of ore, and ground San Antonio, the Combination at Belmont, and every adequate return. We are in favor of the most severe in- rules of prudent engineering, free from the hampering ne- thousand dollars of our money (coin). spection of the work as it proceeds. If the present sworn | cessity of supplying any day a certain quantity of ore. The

stoppage of a mill for such a cause may or may not be just ground for discouragement, according to the appearance of the mine.

It would lead us too far to discuss at present the reasons of our opinion concerning the Twin River Mine. Suffice it to say that the extraordinary hardness of the rock, the cross-course and "break" in the second and third levels, the temporary inability to supply the full capacity of the mill-all these put together do not justify the unmanly panic which seems to have seized the stockholders.

It is a repetition of the old, old story. Men pour out money like water when their imagination is touched by stories of fabulous wealth, which their reason should tell them are not trustworthy; and they will not listen to reason when fancy shrieks despair. The Twin River stock sold at par when nobody knew whether the mine would be permanently valuable or not. It goes begging at five cents on the dollar when the mine has produced three-quarters of a million, and there is ten times as much proof as there was in the beginning of the permanency of the vein.

This "bankrupt" company owes, we are told, some sixty thousand dollars, and its supplies on hand cost about the same amount! To pay the floating debt, and provide means for thoroughly opening the mine, while the mill stands idle, bonds for three hundred and twenty thousand dollars are authorized to be issued at fifty cents on the dollar. Parties taking the bonds receive therefore either fourteen per cent. on their capital, or the whole property for a hundred and sixty thousand dollars-this sum, moreover, going to develope the mine. It is virtually an offer to give the property away to any one who will buy the supplies on hand at cost, and put in the capital necessary to carry on the mining work until next summer.

We do not know which to regard with the greatest astonishment-the timidity shown in offering the bonds at such a rate, or the apparent disinclination of the stockholders to take them. They would be eagerly taken by outside parties but for two reasons. One is, that outside parties know very little about the mine, and have not had the offer distinctly made to them. The other is, that the spectacle of disgraceful demoralization presented by the company would naturally lead shrewd capitalists to wait, in the hope that, in the event of a forced sale in bankruptcy, the prize might fall still more cheaply into their hands.

We have no interest in the fortunes of the company, and look upon its present condition with some pity and much scorn. No doubt, if this state of things goes on to the threatened result, we shall be doomed to hear these men whining about the deceitfulness and unsoundness of mining as a business, when the truth is, that as long as mining is a speculation, they follow it with furious hope and zeal, but as soon as it really becomes a business, and they are called upon to make a safe investment for business reasons, they show nothing but pusillanimous despair.

The officers of the company are not wanting in confidence, but they fail to inspire it. We understand that they are ready to do their part hereafter as heretofore. The declaration of bankruptcy was merely made, it is said, pro forma, to gain time for future measures, and if the property is really to be sacrificed by the apathy of the stockholders, to put all creditors on one footing, and prevent sudden attachments in Nevada. This is all very well; but the mill of bankruptcy is one which grinds, though slowly, yet surely, and "exceeding small." Once put into that hopper, the grist must be speedily rescued, or it will come out only fit for dough. Let the Twin River stockholders smoothe their bristling polls, brace their rattling knees, and consider for once what it is that they are offered, in the purchase of bonds, and what it is that they are wildly throwing away.

PETROLEUM IN EUROPE.

The New York World, of October 19, contains an editorial article on the subject of the petroleum springs of Galicia, which mistakenly considers these deposits to be a recent discovery. The readers of the AMERICAN JOURNAL or MINING will find an account of the localities in Galicia and other Austrian provinces, where petroleum is obtained, in Vol. IV., p. 161, Sept. 14, 1867. We copy the World's article in our Mining Summary, but we think it a mistake to attribute either novelty or wide commercial importance to the Galician oil fields. In point of fact, the naptha, mineral tar, mineral wax (Erdwachs) and petrolcum of that province are not new discoveries, nor do they admit of opened extensively in advance. But the Rigby Company deep wells at all. The whole production is obtained from shallow pits, in the slow, uncertain manner formerly so thoroughly and permaneutly beneficial to the whole com- other enterprise in which, for the sake of encouraging common at Enniskillen, in Canada. It was estimated in munity. We have no sympathy with the outery proceed- stockholders, the premature production of bullion has been 1867 at 162,735 cwt. of oil, and 45,000 cwt. of mineral wax ing from demagogues, stock speculators and disappointed undertaken, found themselver sooner or later in the same per annum, and the value of the product of thirty-six reposition. The best mine in the world cannot supply a fineries (consisting of paraffine candles and cakes, naptha, But the case would be widely different, if the railroad mill until it is fairly opened; nor can mining be carried on petroleum, benzine, asphaltum, solar oils, heavy oils and were being built in a shabby, temporary style, and the with true economy until the mine is so far ahead of the re- wagon-grease) is put in the report of the Lemberg Chamduction works that it can be worked according to the ber of Commerce at about eight hundred and forty-six

Neither do the Burman wells seriously compete with

America. We ship to Calcutta from this country all the petroleum consumed there. Probably our market for petroleum abroad is limited, not by other supplies of the same substance, but by the competition of other oils. For domestic use among the common people in Europe, petroleum possesses, aside from a certain degree of danger which attends its use, the disadvantage that it must, in the ordinary lamp, always burn at full blaze. It cannot with convenience and comfort, be turned low, like gas, whale-oil, rapeseed oil, etc. The latter material, we believe, is being cultivated largely in Hungary and Transylvania. At least, this culture was commenced with considerable energy a couple of years ago. The German manufacture of mineral oil from bituminous shales does not seem to recover from the blow given it by the first discovery of the American wells, although it is quite possible that this industry may revive as the premium on gold declines in New York, and the margin of profit on exported petroleum is re-

Petroleum did the country a good service at a critical period, and its career is not over yet. With improved lamps and greater care in refining and inspecting, the objections to its domestic use are disappearing; the demand for it in all countries is increasing; and in America is becoming literally as well as politically and poetically, the light of the nations.

ANSWERS TO CORRESPONDENTS.

T. H. P., CONN .- A pipe filled with water, having its upper end closed and its lower end open, and not more than 32 feet long, will retain the water, however large be its diameter, provided the lower opening is so contracted that it does not allow a stream of water to run out and bubbles of air to enter at the same time. However, in a siphon such a contraction is not necessary, the long leg out of which the water runs may be an lnch or more In width, and need not be contracted at its lower extremity; as the stream of water, when once flowing, will prevent any ascent of air bubbles. The maxi-mum diameter which this contraction of the lower opening may possess, is independent of the material of the tube, but depends on the shape and thickness of the walls of the opening and the nature of the finld. It is, of course, the npward atmospheric pressure on the water in the opening which prevents the flow, and as the total pressure of the air varies from 14 to 16 pounds to the square linch, according to the stand of the barometer, and as water weights about 66 lbs. per cubic foot, and then for the height of one foot presses on every square inch with a pressure of about 0.45 pounds, we have to divide this number into 14 or 16, and find that it takes a column of 32 to 36 feet high to make equilibrium with the atmospheric pressure of 15 lbs. to the square

N., of Y., asks-" Is there any depth in the ocean in which au iron weight or bar will sink no further?" As a body cannot float except in a medium which is heavier than the body itself, and as water is, by the greatest power, only compressible to a very slight degree, and does not solidgraces power, only compressible to a very significacyee, and uses not sond-ifly by pressure, this common idea is entirely erroneous. If it were true, the whole bottom of the ocean, and all rocks and stones of which it consists, would rise and float] at a certain depth. The cause of this notion is, probably, the difficulty of ascertaining if the lead used for sounding has struck bottom or not; and this is caused by the buoyancy of the line, its slacks in different directions by currents, its great weight when run out in lengths of thousands of feet, compared with the lead, etc. The latest soundings made with very heavy leads, say 100 to 200 pounds, and Iron and steel wire in place of rope, always have given sure indications that the bottom was reached, even at the depth of 40,000 feet (7½ miles), the deepest sounding on record, made by Lieut. Berryman of the steamer Arctle in 1857.

S. PEAK, N. Y., asks.—"Can you inform me of the standing of the New York and Silver Peak Mining Company? Is it a rich district in which it is located, and is the company in operation yet?" This company is at present, we believe, developing its mines, situated in Palmetto District, some 20 miles from the scene of its first operations. We have heard good reports of the district, and were shown some very rich ore by the superintendent when we were at Silver Peak. Serious lliness prevented us from a personal examination. The "standing of the company," as far as the parties engaged are concerned, is highly respectable. Concerning its private affairs we know nothing. If our correspondent is a stockholder, he has a right to inquire of the officers, which we have not.

A. M. L., or MINN -To find the amount of horse-power required to raise the water, reduce the amount to be raised every minute to pounds, multiply it by the height to which it is to be raised in feet, and divide the product by 33,000. In exactly the same way you may calculate the power of any waterfall by multiplying the height of the fall in feet, by the number of pounds of water falling every minute, and again dividing the product by 83,000. Of course this is the theoretical amount, and all machinery will give less; in good turbines the loss is only 10 to 15 per cent., in comm rater-wheels, 20, 30, 40, and often even more than 50 per cent.

C. W. M., or N. Y .- To coat iron with zinc, dilute sulphurie acid and the scratch brush are insufficient, but hydrochlorio acid is indispensable. The iron, plunged into this acid, only slightly diluted, and then into the melted zinc, takes the zinc coat very readily. Finer articles should be plated with zinc by the electric battery, in the same way as silver plating is effected, only the zinc bath is prepared very differently from the silver bath. It is made by dissolving oxide of zinc (pure zinc-white) in a solution of caustic, soda or potassa.

T. F. R., or PA.-Eggs, when packed in salt in order to preserve them, as sometimes is done, acquire a disagreeable salt taste, and lose all their peculiar flavor. The better way is to put them in lime water, and leave them in it till used. This is far better than varnishing them, a method which is also sometimes applied.

NEW PUBLICATIONS.

RECOLLECTIONS OF A BUSY LIFE-Including Reminiscences of American Politics and Politicians from the opening of the Missouri Contest to the Downfall of Slavery; to which are added Miscellanies, etc., by Horace Greeley. New York, J. B. Ford & Co., Printing House

MR. GREELEY's public career and personal characteristics are, perhaps, a MR. GREELEY's public career and personal characteristics are, permaps, as well known to the people of this country as those of any other man in it. For many years he has been an active, prominent politician; and his record upon the questions which have arisen at successive periods of our national history has been clear and generally consistent, if not always wise. In the present work he appears before usas, not a partisan, but a fair-ninded, plain-talking, gossippy old man, looking back without fear or favor upon the scenes though

RAYMOND, or WRED,) who could entertain resentment toward this gentle Christian sage; but there is often a little sting hidden even in the honeyed phrases of his compliment; and one rather mistrusts the lofty affectation of fair play.

fair play.

Aside from this peculiarity, the book is a delightful one, interevery page to the young Americans for whom it was especially intended. Who does not know how dry and dusty is the labor of extracting from files of newspapers or contemporary records that political history of the country which has not yet assumed its field for each of the country which has not yet assumed its final form on the rolls of Clio? And, on the other has not yet assumed its mai form on the rolls of Cilo? And, on the Other hand, who does not know how charming it is to hear some hale old politician tell again the stories of his past campaigns? How eagerly we ask him about the actors who have long since left the stage! How we thrill again at the songs and watchwords of "Log Cabin Days!" How we seem to hear again tall HARRY of the West, or WEBSTER, built of granite fused with fire, or keen CALBOUN, or dauntless DOUGLAS! This chatty volume gives all these things,

and more.

Mr. Greeley's opinions on tobacco, wine, Graham bread, vegetable dict, religious creeds, spirit-rappings, poetry—in fact, most things, outside, perhaps, of politics and farming, are shrewd but narrow. He arrives even at right conclusions by wrong methods, perpetually arguing from some petty experience of his own to broad general principles. His first cigar makes him sick; hence, the chewing, smoking or smifting of tobacco has always seemed to him the "vilest, most detestable," etc. He wakes up one morning after "a strong cup of coffee at a festive board," over night, and finds his hand trembling, and at once says, "No more coffee;" and he has not drank it since. He sneers a little at chess, cards, checkers, backgammon, ball-clubs, troutfishing, theaters, etc., because many years ago he went in that way to Sandy Hook, got aground, and had a desolate time generally. He becomes a Universalist in creed from reading an account of the way Demsrints treated the rebel Athenians (after their submission) and thinking to himself that such conduct would be very becoming to the Almighty—ergo, all sinners would be saved.

The reader will see that this style of reasoning on all subjects while it may

rebel Athenians (after their submission) and thinking to himself that such conduct would be very becoming to the Almighty—ergo, all sinners would be saved.

The reader will see that this style of reasoning on all subjects, while it may be sufficient to gnide the action of the individual, does not qualify him to instruct others. For it shines through Mr. Greekers's translucent naives, that If his first cigar had not made him sick, if he had been expert at games and social recreations, if he had never chosen Sandy Hook as the place for a picnic, if he had had only the Bible and not the Greek Reader to give him ideas of the Divine character, all these personal opinions of his would have been directly the opposites of what they are. All men, it is true, especially "sell-made men," are moulded more or less by their circumstances; but great men rise above these things, and base their opinions on something more stable than accidental experience. Not long ago, Mr. Greeker advocated with earnestness the admission of ladies to a certain public dinner. This was supposed to be a rise on his part to a "higher plane," untill twas discovered that he "wanted the women to come, so that the men wouldn't smoke; for he hated smoking."

Intensely Individual and Independent, indging the things which he does not understand as decisively as those which he theroughly knows, swayed considerably by personal and partisan associations, Mr. Greeker is not a leader to be bilindly followed; but his "Recollections" are to be read with respect for his notothed virtues; and this much we can certainly say, even the errors of his judgment are not of the kind likely to injure the yonng. There is no great harm in vegetarianism and the like vagaries; and there is great good in the manly self-reliance, perseversance and truth to conviction which stands out in every page of this work.

The style in which it is issued reflects much credit on the new publishing house of J. B. Ford & Co. Paper, ink and type are all that they should be. The likeness of Mr.

ON ANILINE AND ITS DERIVATIONS .- A Treatise upon the Manu facture of Aniline and Aniline Colors, by M. Beimann, P. D., L. A. M. To which is added, in an Appendix, "The Report on the Coloring MATTERS DERIVED FROM COAL TAR, SHOWN AT THE FRENCH EXHIBITION. 1867," by Dr. A. W. Hoffman, F. R. S, and MM. G. de Laire and Ch. Girard. The whole Revised and Edited by William Crookes, F. R. S., etc. New York, John Wiley & Son. 2 Clinton Hall, Astor Place, 1868.

Every dyer knows that the aniline colors are, and will continue to be, "the rage." It is not likely that they will ever be surpassed in brilliancy by any other products of the ingenuity and taste of man. Within the short period feen years their mannfacture has grown to immense proportions, and given rise to a special literature. But an art so new, and so rapidly advancing in every branch and detail, demands constantly the latest manuals and textbooks; and even if the work before us were not characterized by extraordinary ability, it might still plausibly claim to be the best in this field, because it is the newest. Aside from this advantage, however, the distinguished names upon the title page are sufficient guaranty of the completeness, thoroughness and accuracy of the book. We are happy to add that it possesses, moreover, the virtue (not always found in scientific works) of being intelligible and practical. The principal products of the distillation of coal are considered, and the best processes for preparing the various anlline colors are described-in detail. The relations between practical and theoretical chemistry are so well described by De. Reimann that we quote a few sentences from his preface.

"Practical chemistry, as exemplified in chemical manufacture, must always be in advance of the science, because in practice so much attention and energy is brought to bear on one point to produce a given result. It is the function of an abstract scientific chemistry to investigate the progress made, and to correlate the new observations with those previously known. Practical chemistry can only advance by paying full regard to theory, and scientific chemistry can only advance by the control of the control of the value of the two treatises in the volume is enhanced by a complete index and the whole is deliced workly by Dr. Converted Transport of the control of

dex, and the whole is edited worthily by Dr. Crookes. The typography of the book betrays that, although it bears the name of a New York house, the sheets were printed in England. Every one acquainted with books will understand that they are decidedly none the worse for that!

Griginal Papers.

FURNISHED THE AMERICAN JOURNAL OF MINING BY THE HON. HUGH MC CULLOCH, SECRETARY OF THE TREASURY.]

OFFICIAL REPORT OF HON. J. ROSS SNOWDEN, UPON THE MINERAL RESOURCES OF COLORADO.-NO. I.

TREASURY DEPARTMENT, October 13, 1868. EDITOR AMERICAN JOURNAL OF MINING:

I transmit herewith, as suggested by you, for publication in the JOURNAL OF MINING, that portion of the report made to this Department on the 18th ultimo, by Hon. J. Ross Snowden, devoted to the mineral resources of Colo-H. McCulloch,

Secretary of the Treasury.

political capital of the Territory, on the 14th of July, I treatment there. visited Golden City, Black Hawk, Central City, Nevada,

Buckskin, Mosquito and other places, which I will hereafter notice. Within the region first named, and extending up one branch of Clear Creek to the Baker Mines, fourteen miles above Georgetown, are embraced the most valuable and productive mines of the Territory. The distance between the points named is about 57 miles.

GOLDEN CITY.

Golden City, at the foot hills of the Rocky Mountains, on the banks of Clear Creek, which traverses the whole region I have named, has no mines of gold and silver in its vicinity, but it is a point of great interest in view of its valuable mines of coal, iron, copper, galena, limestone, gympsum, fire-clay, &c. These minerals are of excellent quality, and can be abundantly produced. The veins of charcoal iron ore, and of magnetic iron ore are 15 feet in width. One coal mine which I visited-Murphy's, on Ral. ston Creek-is 17 feet thick. It has been opened 500 feet. It is of superior quality, not strictly bituminous, nor yet anthracite, but possesses some of the best properties of both. It may, with some propriety, be called Glance Coal. It burns freely without soot or smell, leaving no bane nor slag, but merely a white-colored ash. abundance of this excellent fuel, and of the fluxes used in smelting gold and silver ores, and the other valuable min. erals and clays in and about Golden City, give great promise that it will become an important point where the valuable gold and silver mines of Gilpin and Clear Creek Counties can be economically reduced, and other valuable manufactories maintained.

CENTRAL CITY.

Next to Denver, this is the most prosperous and important place in the Territory. It is the centre of the goldproducing mines. It is surrounded on all sides by mines of great value, many lodes of which are now being extensively worked. This region, and, in fact, all Colorado, have experienced a back set, by reason of the formation of fancy companies established in the Eastern States, the capitals of which were generally expended in useless buildings and mills, and in other outlays unconnected with the opening and developing of the mines, or reducing the ores. These errors and mistakes are being corrected, and now the energies of the operators are directed to the production of the ores from the mines, and the most practical and economical reduction of them. Everywhere I noticed the most intelligent activity, the result of which is already apparent in the increased production of the precious metals, but will be more clearly exhibited in the future. The gold belt in the vicinity of Central City has produced, during the fiscal year ending June 30, 1868, about \$1,500,-000 in gold bullion, bearing some silver with it. I arrive at this amount from a personal inspection of the books of bankers and others; and from the statements of well informed citizens. The ore in many of the lodes and the surface ores generally are well reduced by stamp mills and amalgamation by the use of quicksilver-a well known process founded on the ready union of gold and silver with mercury. There are at the present lime six hundred stamps at work in the region of Central City. These are producing about 3,000 ounces of gold per week. Taking nine months for active operations-part of the year being unavailable by reason of deep snows, or from other causes the coin value of the gold produced by the process above referred to, for the current fiscal year, will be about \$2,-

The following statement of shipments by the banks at Central City for the months of January and July, 1866, 1867 and 1868, will show the increased production of the precious metals in that vicinity:

	1866, January	\$50,000
	1866, July	73,000
	1867, January	99,500
	1867, July	97,000
	1868, January	112 000
9	1868, July	

It may be proper to remark that the surface ores, reduced by stamp mills and amaigamation, sometimes extend to 50 or 60 feet below the actual surface; beyond that depth, the oxidizing influence of the atmosphere and water do not penetrate; and here are found the sulphurets of iron and copper, equally rich in gold, and frequently much richer, but requiring a different and more elaborate process. What nature has done for the surface, art is required to do for the refractory combination of gold with the sulphinets of iron and copper below. Numerous processes and methods of desulphurization and fusion have been introduced. Many of these have failed, and are abandoned; one or two of them are now on trial. The smelting works of Prof. N. P. HILL, at Black Haw Siz :- In pursuance of the suggestion contained in your in successful operation. He uses the Swansea mode of reletter of instructions, of June 17, 1868, I visited and ex- ducing the ores, and ships the regulus or matte-which is amined the principal mining districts of the Territory of of low fineness of gold and silver, and contains large pro-Colorado. Setting out from Denver, the commercial and portions of lead with copper-to Swansea, in Wales, for

Messrs, Nohle, Gray & Co. are erecting near Central which he has passed, and awarding to each actor in them his due ahare of praise or blame. A great deal of this impartiality is mere seeming. Mr. Green deal of this impartiality is mere seemin of gold by their methods of reducing ores. I witnessed their experimental trials with a small furnace, which were successful. Whether it will be so on a larger working scale remains to be demonstrated. They are now constructing works to give it a fair tria1.

I visited many of the lodes, namely: the Gregory, Briggs, Mammoth, Bobtail, Burroughs, Alps, Gardner, Illinois, Bates, German, and others. These lodes are being actively mined, with profitable results. The average width of the "pay ore" in most of these mines is about three feet. Some of the shafts are sunk to the depth of 500 feet. With the present means of reducing the ores, those of the second quality are chiefly worked, because these can be reduced by the ordinary stamp mills and by amalgamation. Many companies are cording up their first quality of ores, which are more difficult to reduce, for future operations. The second class ores yield from \$25 to \$60 per ton; the first class yields several hundred dollars per ton, dependent upon the combination of other metals with the gold and silver contained therein. Messrs. SMITH & PARMLEE are operating upon ores from the Gregory and Briggs' lodes; their mills run 25 stamps. They have produced, as shown by the books of the Superintendent, Mr. BELDEN, 15,208 ounces of gold, the coin value of which is about \$250,000. The average production per ton of the ore reduced at their mills is about \$30. The depth of one shaft in the Briggs' is 470 feet; another on the same is 400 feet. In the Gregory there are three shafts, two of 160 feet, and one of 100 feet. The Black Hawk Gold Mining Company are operating upon the Gregory Mines with 60 stamps, with profitable results. Their shafts are at the depth of 476 feet.

As a general thing, the mines become more regular and uniform as the depth increases, and there is less "bad ground," as the miners term it.

TO BE CONTINUED.

The New Road Steamer.

The London (Eng.) Railway News says: "The advantages of drawing loads ou common roads by steam, instead of horse-power, are, under certain circumstances, so great that efforts have been frequently made during the past few years to produce a good and practical traction engine for this purpose. All these a good and practical traction engine for this purpose. All these attempts have been to some extent frustrated by two difficulties, which until recently appeared almost insuperable. The difficulties consist in the facts—first, that the jar caused by a rough road is so injurious to the machinery and wheels of the engine, that they require continual repair and renewal; secondly, that if this evil be counterbalanced by making the locomotive of great size and weight, the injury to the road becomes proportionally great, and an objection of a very formidable nature thus becomes established. Until the beginning of this year it seemed as though the choice must lie between earts and horses on the becomes established. Until the beginning of this year it seemed as though the choice must lie between carts and horses on the one hand and the cost of constant repair of engines and roads on the other. But Mr. Thomson, a civil engineer of Edinburgh, Scotland, has at last succeeded in producing an engine which, to judge from the success which has already attended some very remarkable trials of it, promises a solution of the difficulties. Mr. Thomson was requested by some friends in the Island of Java to obtain for them a road locomotive for the conveyance of sugar from some of the large estates to the port of Tourabiaga. The result of his inquiries after such an engine was not satisfactory. All those which he inspected appeared to fail in the important respects of durability and non-injury to the roads. The idea then occurred to him of fitting India rubber tires to the wheels of the engine, to overcome the jar and injury alike to the road and locomotive. The application was but the development of a principle which Mr. Tomson had already applied to the wheels of the platform trucks at railway stations with good results. The preliminary trials of the traction engine fitted with these tires were eminently successful. It was at once perceived that the machinery and road became by this simple device exempt from't hijury. The 'steamer' practically runs along on a self-laid tramway of India rubber. The Java engine was of three-horse power (nominal), but the bite of the wheels was so excellent, and their smoothness and case of motion was so three-horse power (nominal), but the bite of the wheels was so great, that it was found possible to take some liberties with the engine of a very curious nature. Among other things, it was made to cross a field of soft grass, to run through a field covered with loose earth to the depth of about two feet, to travel over beds of broken flint, and to drag a huge boiler, which weighed, with its truck, nearly thirteen tons, up au incline of one in twelve. These feats were accomplished with the greatest ease, the locomotive appearing to float along without any symptom of distress. The trials were continued for several weeks with uniform snecess, and in the end some other 'toad steam-

with uniform sneeses, and in the end some other 'road steamers' were in course of coustruction.

"Two of these were recently tried, as we stated some time since, in Edinburgh and Leith. One of the engines is intended for carrying coals in Derbyshire over nine miles of road, with inclines of one in twelve; the other is designed for the transport of coffee in Cevlon. The formerls of ten-horse power (nominal) of conce in Ceylon. The former is of ten-horse power (noninal), weight eight tons, and has India rubber tires fifteen inches wide and five inches thick. It was built to draw weights of only fifteen tons, but the following are among its actual performances:

It was run out to a colliery twelve miles from Edinburgh, drawing a train of four wagons, each weighing 2 tons 3-4 55 ewt. At the colliery each wagon received a load of five and one fourth tons of each so that the whole train (building the confidence). tons of coal, so that the whole train (including the engine) weighed forty tons. With this load, the steamer—looking like some luggage train which had escaped from a station—traveled with perfect ease along a road having inclines of one in sixteen until it reached the city. There it threaded its way deftly and surely between the streams of omnibuses, cabs, earts, &c., which form the staple of the ordinary traffic, and which were more numerous than usual, in consequence of some games which were going on, and because it was a Saturday afternoon. The train sped its way satisfactorily along beds of broken flints, through barriers pnt up for road mending, down steep streets and round sharp corners, the train of ninety feet following the engine as surely and implicitly as the tail of a serpent follows its head. In some cases the curves were so sharp and close together that the train assumed the form of the letter S. Passing from Junction luto Bounington road, the angle was so acute that the train had

crooked descent, down which the train passed with ease; and finally the train had to pass into a very narrow lane and enter the gates of the works where it was to deliver its coals. The whole performance was a very conclusive one as far as the tractive powers of the engine and the control of the train were concerned. There only remains to notice the remarkable way in which the There only remains to notice the remarkable way in which the India rubber tires pass over obstacles without injuring them—without even displacing them, and without injury to themselves. Thus, a potato and carrot, which were purposely laid in the paths of the engine, were passed over uncrushed; beds of loose flints were undisturbed; nor was any incision or permanent dent made in the tires by the sharpest stones. Professor Archer, in a paper which he read upon the subject before the British Association, aptly compares these tires to the enshioned feet of an elephant or camel, and it is probable that the tires would prove searcely more destructible. The India rubber tires have been tried over roads slippery with frost and iee, and met with complete success. These engines promise to present some important applications. Seeing that they not only are not destructive of roads, but even independent of them, they may probably be useen sary to point out that they have some important military applications. A few of these engines working up the Col de Balaclava might have saved many lives in the Crimean winter of 1854, and the increased weight of slege-ordnance would now give to an engine of this sort an importance which it could not then have reversed? to an engine of this sort an importance which it could not then

Special Motices.

Books and Progress.

If we wish to ascertain the progress of a nation, we can find no better index than in the character of its literature, and we see in the great demand in the United States for books relating to industrial subjects an evidence of the desire of our artisans and manufacturers to improve and excel in the qual ity, diversity, and extent of their products. So great is this demand that the publication of books relating to these subjects has become a speciality with more than one house in this country, and not a week, and indeed scarcely a day passes that a new book is not issued on some subject connected with practical science or the useful and ornamental arts. Mr. Henry Carey Bairn, No. 406 Walnut street, Philadelphia, is the most prolific publisher of this class of books; and his publications are made with great judgment. His list of industrial publications is, with the exception of one or two on the continent of Europe, the largest in the world, embracing not only the works of the best American technological authors, but reprints of the best English and translations from the best French and German writers on Chemistry, me trom the best French and German writers on chemistry, metallurgy, civil and mechanical engineering, architecture, fibrous and textile manufactures, dveing, calico printing, perfumery, paper making, ornamental designing, and several of the minor arts. Mr. Baird's advertisement will be found weekly, with frequent changes, in the American Journal of Mining.

A Challenge from a Lady.

NEW YORK, October 20, 1868.

Messrs. Wheeler & Wilson, 625 Broadway.

GENTLEMEN: Referring to the challenge of Mr. Pratt, whose Wheeler & Wilson Sewing-machine, has been in use ten years without repairing, I beg to state that I have used my Wheeler & Wilson sewing machine, in family sewing, fourteen years, without even the most trifling repairs, and it is now in so good condition that I would not exchange it for your latest number (now upwards of 350,000.) One needle served me more than a year for fine sewing. Can any one beat this?

MRS. ANNE WARNER. Any one who can give a better report than this will be en-

titled to one of our new tucking gauges.
WHEELER & WILSON MANUFACTURING Co.

Mining Supplies, Etc.

We are glad to chroniele the continued success of Messrs. Morey & Sperry, manufacturers of all kinds of mining ma-Morey & Sperry, manufacturers of all kinds of mining machinery. Their office, at 95 Liberty street, is already a sort of headquarters for those engaged in bona fide mining operations, while its atmosphere is refreshingly free from the odor of mere stock transactions. Machinery of the latter kind will be found in abundance at work in Wall street, but the products of Messrs, Morey & Sperry must be sought in products of Messrs, Morey of Speakly must be sought in the field, where they are pounding, grinding and amalgamat-ing night and day, thus really adding to the wealth of the country. We understand that these gentlemen will soon en-large their present business facilities by adding a store, for the exhibition and sale of their excellent mining supplies.

THE CENTRAL PACIFIC RAILROAD is now being carried forward with unprecedented energy, nearly 250 miles having been added during the current year, and the greater portion of the remainder is graded. The way business exceeds the present facilities of the Co. and the earnings already average more than quarter of a million in gold per month. A limited amount of the Company's First Mortgage Bonds (principle and interest in coin) will be disposed of at 103, and accrued interest in currency. Coupons payable July and Japuary in New York eurrency. Coupons payable July and January in New York city. For sale by banks, bankers, agents for the loan, and by FISK & HATCH,

Bankers and Dealers in Government Securities,

At Philadelphia.

5 Nassan street, New York

We have appointed Mr. George E. Cummings agent for all our publications in Philadelphia. His present address is corner of Fourth and Walnut streets, and friends of our papers will find him there ready to transact business on our a

The attention of capitalists is directed to an advertisement train assumed the form of the letter S. Passing from Junction in another column, calling for \$100,000 and a partner in the luto Bonnington road, the angle was so acute that the train had to double back upon itself. Letth street has a steep and ser's plans to be worthy of attention.

Latent Glaims.

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

82,876.—Machine for Working Iron.—Jacob Reese, Pittsburg, Pa. Ante-dated October 2, 1868:

Pa. Ante-dated October 2, 1868:

I claim, 1st, The combination of a pair of reciprocating and compressing dieblocks (or given's with one or a pair of non-reciprocating compressing dieblocks (or cheek-plates) acting perpendienlarly thereto and alternately therewith, substantially as described.

2d, An arrangement of mechanism for imparting to one or both of a pair of compressing die-blocks, a reciprocating movement simultaneously or alternately with a movement of approach toward or recession from each other, substantially as described.

3d, In combination with one or more compressing die-blocks, a pair of reciprocating and compressing die-blocks, the coacting faces of which are, in their normal condition, more widely separated from one another at the point where the metal is introduced between them than at the point where the metal is introduced between them than at the point where the metal is carriaded from between them, substantially as described.

4th, In combination with one or more compressing die-blocks, a pair of reciprocating compressing die-blocks, the coacting surfaces of which, one or both, are curved substantially as described, for the purpose, in part, of permitting and adding to produce a more or less retrogade or backward movement of the metal, while the same is being acted on alternately with the general forward movement of the same, substantially as hereinbefore set forth.

ment of the metal, wante the same is using section and an arrangement of the same, substantially as hereinbefore set forth.

5th, In combination with a pair of reciprocating and compressing die-blocks, operating substantially in the manner described, an inclined feeding-frought or guiding and facilitating the forward movement of the bloom or puddle-blait to and between said die-blocks, substantially as herein described.

6th, As a whole, the improved machine consisting of the several parts, constructed and combined substantially as and for the purpose described. 83,091.—Electrical Amalgamator.—Julio H. Rae, Syraense,

It claim the drnm, A, provided with a lining and with a beater, representing the two elements of a galvanic battery, said beater serving also to bring all the particles of the pulverized ore in intimate contact with the mercury, substantially as herein shown and described.

83,119 .- MANUFACTURE OF IRON AND STEEL .- Richard Yellding, Detroit, Mich.:
I claim, 1st, the process of fusing and refining metal, and decarbonizing

iron.

2d. The converting of iron into carbonized steel.

3d. The converting of iron into unannealable steel, and the nse of the foregoing articles, in the manner and for the purposes herein set forth, and the general combination of the principles, and the use of the articles, combined and separately, and for the use of the follalone, in the manner and for the purposes set forth in the foregoing specifications.

3,121.—PROCESS OF ROASTING AND CHLORIDIZING ORES.— Henry Tindall, Chicago, Ili.: I claim the process of treating ores, substantially such as is above de-

83,122.—FURNACE FOR ROASTING AND CHLORIDIZING ORES.—

83,122.—FURNACE FOR ROASTING AND CHLORIDIZING ORES.—Henry Tindall, Chicago, III.:
I claim, 1st. A furnace for treating ores, in which the operation of desalphurizing and chloridizing or chlorinating such ores is performed simultaneously with the roasting of the same, substantially in the manner described.
2d, The chamber, E, of the furnace, as composed of a metal bottom, with metal sides and roof, said bottom and sides being protected from the action of the subplur, substantially as shown and described.
3d, The combination of the chamber, E, and the gas-generating apparatus, substantially as shown and described.
4th, The combination of the ore-supplying conduit and the chamber, E, substantially as shown and described.
5th, The arrangement of the sole or hearth with reference to the chute, P, substantially as shown and described.
7th, The arrangement of the walls or partitions, C, C', by which they are made to support the sole or hearth, substantially as shown and described.
7th, The arrangement of the car, E, with reference to the chute, P, and chamber, E, substantially as shown and described.

Ondit about Minerals, &c.

The Bestulehem, Pa., Times says:—"The Bethlehem Iron Company has not only added additional buildings to its old works, but is daily making other improvements by which its facilities and capacity are increased. They have now completed an arrangement by which property of the Northampton Iron Company falls into their possession. The consideration for the property was three thousand shares of the stock of the Bethlehem Iron Company. The stock is now quoted at about \$50 per share in the market, and the total consideration figures would therefore amount to about \$240,000. The works of the Northampton Iron Company are situated in South Bethlehem Lebler below the Bethlehem Iron Company's works, and on the line of the Lebler Valley E. B. The arrangement will go into effect immediately.

One of the most remarkable mines in California is that of Let Yolke of the most remarkable infines in California is that of Neergast & Nichols, located about one mile south from Rough and Ready, in Nevada County. The ledge is about six feet in thickness, and is encased in state, the quartz being decomposed. The owners, when they want money, take a pan and go after the gold, and often pan out a thousand dollars in two hours. They are now about 70 feet down on the ledge, and it shows wonderfully rich all the way down. They refuse to sell the mine or any portion of it for any amount of money that can be offered. Their claim is 6,000 feet in extent. They have no machinery at the ledge, and do not seem to care to crush the rock.

crush the rock.

The Ithaca (N. Y.) Journal, of the 22d inst., says the Exceutive Committee of the Board of Trustees of the Cornell University have completed the purchase of the Mineralogical Cabinet of Prof. Benj. Sillman, of Yale Coliege, New Haven, which has long been considered one of the best in the country. Prof. Silliman speaks in regard to it as follows: "My collection has been formed simost exclusively by my own personal exertions, during more than twenty years of active experience as a collector in the field, and by the system of exchanges instituted from an early day with the most active collectors both in America and Europe."

Test A handsome California gold "nugget" is noticed by the San Francisco Bulletin. It was thickly veined, and nearly one-half covered with gold, and was found in the Lincoln tunnel, Butte county, about eleven hundred feet below the the drift, twenty-five hundred feet below the top of the hill, and eight hundred feet above the bed of the Big Butte Creek. It contained about five pounds of gold, worth eighteen dollars per onnee, and its value was about one thousand and eighty dollars.

value was about one mousant and eignly control.

(E. Chicago paper says:—A magnificent specimen of dog tooth spar was exhibited on 'Change, taken from the Shunian (Silver) Mines of Thunder Bay, on the northern shore of Lake Superior, and presented by Mesars. N. C. Norse and J. E. Withers, of the Mining Company, to the Chicago University. It is a rarity in size and beauty, and will, we doubt not, be highly prized by all connected with the institution chosen as the recipient.

All Sorts.

A correspondent writes from Fairmonnt, Illinois, to the Chicago Tribuna:—"Last Saturday some persons were cutting a ditch two miles southeast of this place, in the open prairie, two miles from timber, when they discovered the bones of an animal apparently much larger than those of an elephant. One leg bone that I saw was some seven or eight inches in diameter at the joint, and many others of a corresponding size; teeth five or six inches lesse see. in diameter at the joint, and many others of a corresponding size; teeth nive or six inches long, etc. The whole skeleton has not been exhumed yet, but a party is forming to make further explorations. These bones are found at a depth of about two and a half seet, in a common prairie slongth. From the description of the bones taken out at Cobes, New York, I should say these are of the same class, or belonging to the same kind of an animal. I believe these are the only bones of the kind ever found in the State of Illinois."

It has long been contended that steel boilers never could 199 It has long been contended that steer bollers never cointed be used, not being sufficiently tenacions. But this theory has been badly damaged by some recent experiments at Pittsburg, when a steel boiler has withstood the most pressure that could be brought to bear upon it. The boiler is made of two plates of No. 8 steel, ‡ inch thick, 6 feet long, and is 8 feet in dismeter. It has been subjected to several tests, the 10th trial giving it a pressure of 725 pounds to the square inch. Experiments on it continue, but np to this writing no pressure has been able to burst the Boiler. It has stretched three inches since the tests commenced.

The Wool is so cheap and old sheep so plentiful on the River Plate, South America, that many sheep are being "tried out" for grease. As they can be bought at from swenty-lave cents to a dollar per head, it makes a very good business at the present time, yielding something like 100 per can, profit. Though this is very pleasing to the speculator, it is a sorry part the poor sheep farmer lias to play in the affair, who, a few years ago, paid \$3 and \$4 a head for each animal. It is estimated that 500,000 are now killed per month.

COAL SHIPPERS.

OFFER THEIR SUPERIOR QUALITY OF

BITUMINOUS COAL

TO GAS COMPANIES, RAILROAD CORPORATIONS, And MANUFAGTURERS of

IRON AND STEEL.

More than two millions of tons of their Coal have been distributed through the New England and Middle States, and its character is established in the Market as having uo superior in quality.

PLACE OF SHIPMENT—Pier No. 8, Greenwich Wharves, Delaware River.

OFFICE—No. 230 South Third Street, Philadelphia.

EDWARD C. BIDDLE, President. FRANCIS H. JACKSON, Sec. and Treas'r.

HECKSCHER, BOWNS & CO.,

NO 111 BROADWAY. (TRINITY BUILDING), ROOM 79, N. Y. CITY. dealers in the best qualities

Anthracite and Bituminous Coal.

Agents for the celebrated "HARTFORD ASSOCIATED COAL COMPANY'S COAL Wharves: Pier No. 4 Port Riebmond, Philadelphia; foot 20th Street, East River. vol 2:5qp

New Boston Coal Mining Company, Office, 55 Broadway, New York. Miners and Shippers of Superior

BUCK MOUNTAIN COAL, Deliverable at Elizabethport and the Harbor of New York. Supplied to Steamers, Dealers and Manufacturers

F. H. DELANO, Treasurer. G. WAYLAND, Sales Agent.

HONEY BROOK COAL COM-

Exclusive Miners and Shippers of the Celebrated

HONEY BROOK LEHIGH COAL No. 111 BROADWAY, NEW YORK.

JAS. H. LYLES, Agent Wharves, Port Johnson, N. J. Philadelphia Office, 200 J. B. McCREARY, President.

ap20:ly RANDOLPH BROTHERS,

SOLE AGENTS OF THE ORIGINAL

SPRING MOUNTAIN LEHIGH COAL,

Extensively Used for Smelting Iron ROOMS, 28 AND 30, TRINITY BUILDING,

THE DESPARD COAL COMPANY

OFFER THEIR SUPERIOR DESPARD COAL

To Gas Light Companies throughout the country.

MINES IN HARRISON COUNTY, West Virginia.
WILARVES, LOCUST POINT,
COMPANY'S OFFICE.
No. 29 South Street,
Agents, PARMLE BROTHERS, No. 32 Pine street,
No. 20 No. 32 Pine street,

BANGS & HORTON, No. 31 Doane street, Boston. BANGS & HORLUS, NO. 31 Frome street, however,
Among the consumers of Despard Coal we name: Mannattan Gas Light Company, New York; Metropolitan
Gas Light Co., New York; Jersey City Gas Light Co.,
Jersey City, N. J.; Washington Gas Light Co., Washington, D. C.; Portland Gas Light Co., Portland, Maine.

Reference to them is requested. May 301y

COXE BRO.'S & CO.

Cross Creek Colliery,

MINERS AND SHIPPERS

of the Celebrated Cross Creek

Free Burning Lehigh Red Ash Coal, FROM THE BUCK MOUNTAIN VEIN.

OFFICES:

Philadelphia, No. 841 Walnut Street. Driftou, Jeddo P. O. Luzerne Co., Pa. Agent in New York, SAMUEL BONNELL Jr.,

Boom 43 Trinity Building,
Feb. 1-1-vr 111 Broadway.

WILKESBARRE COAL,

The Wilkesbarre Coal and Iron Co. OR, FOR RESHIPMENT AT

HOBOKEN AND JERSEY CITY. OFFICE-NO. 16 WALL STREET,

NEW YORK. April 1-1y

Anthracite and Bituminous Coal. Any Articles Marbleized to Order in the HENRY HEIL'S

NO. 35 PINE STREET, NEW YORK. S. CALDWELL, JR. F. A. HALL. N. P. GORDON. S. B. YOUNG. BOSTON-Office 144 State Street

COAL SHIPPERS.

The Westmoreland Coal Company C. B. Linderman & Co., MINERS,

SUGAR LOAF,

LEHIGH COAL OFFICE:

50 TRINITY BUILDING, may 28-1y 111 BROADWAY, N. Y.

SAMUEL BONNELL, JR., Offers for Sale hi

SUGAR CREEK

HONEY BROOK Lehigh Coals,

OFFICE-43 AND 45 "TRINITY BUILDING," 111 BROADWAY, N. Y.

DAY, HUDDELL & CO.,

MINERS AND SHIPPERS OF

HARLEIGH LEHIGH COAL,

And the Celebrated

EXCELSIOR, HICKORY, BROAD MOUNTAIN, SHAMOKIN and NEW ENGLAND RED ASH.

OFFICES.

ROOM 51, TRINITY BUILDING, 111 Broadway.

Philadelphia, 109 WALNUT STREET.

Boston, 7 DOANE STREET

WHITE, FOWLER & SNOW,

Successors to JOHN WHITE & CO., Wilksesbarre and Lehigh Coal,

FOR STEAM AND FAMILY USE. OFFICE

ROOM NO. 75, 111 BROADWAY, (Trinity Building.) JNO. WHITE LINDLEY H. FOWLER. LOUIS T. SNOW.

ENGLISH COAL AND CANNEL.

DESPARD COAL, from Baltimore.

PROVINCIAL COAL.

ANTHRACITE COAL,

For Sale in Lots to Suit. PARMELE BROS.,

AGENCY OF GEO. WRIGHT & CO., LIVEROOL,

Office, No. 32 Pine Street, New York. Yard, West 22d Street, near 10th Avenue.

SLATE DEALERS.

JOHN GALT.

Wholsale Dealer in Roofing Slate.

SOLE AGENT FOR THE

EAGLE SLATE COMPANY OF VERMONT,

Who produce Purple, Green, and Red ROOFING SLATE. Sole Agent for New York and the West for the CHAPMAN SLATE CO. OF PENNSYLVANIA.

Who produce a Superior Black and Dark Blue Slate; also Sole Agent for New York and the West for the LEHIGH SLATE CO. OF PENNSYLVANIA. GENERAL DEPOT.

Cor. Tenth Avenue and Twelfth Street. N. Y City. Established in 1850

BRANCH DEPOTS.

Buffalo; Jas. W. Chapman, Terrace Square.
Chicago; James Parker, corner Franklin and Washingagtou Streets.
Charleston. S. C.; C. J. Demorest, East Bay, near
Wentworth Street.
New Orleans: J. J. Lee, 368 Magazine Street.
27 I am prepared to give parties the prices of Slate
elivered throughout the United States at the Railroad
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Station.
Orders by mail receive prompt attention.

HUDSON RIVER SLATE CO.

25 PARK ROW, NEW YORK. Supply from their Quarries

Superior Blue Slate, IN

Ashler Building fronts,
House-Tiles of all sizes,
Flagging Tiles, of any large learths, of all sizes,
size,
Plain Flagging of any thickBlifflag Beds,
Sille and Mantle Stock,
Mantles and Mantle Stock,
Slab of any dimensions,
Siate Dust
Genetal Country
Silling Beds,
S April 1-1y

NEW YORK.

CALDWELL, GORDON & CO.,

WHOLEFALE DEALERS IN

WHOLEFALE DEALERS IN

NEW YORK.

Size.

Flain Flagging of any thick. Slills and Lintels, Counters & Counter Tops, Slinks,

Wainscoting and Fancling Cementery Stock, Slibs for Marthelzing, of Slab Roofing any size ordered, Curbing, plain and fancy,

Most Superior Style.

CELEBRATED EAST FRANKLIN COAL, dressed to ABRAHAM BELL'S SON, 25 Park Row, New York, Nov231y

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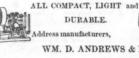


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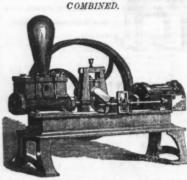


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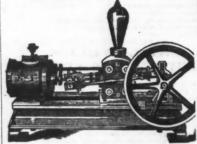
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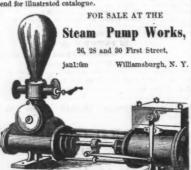
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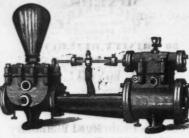
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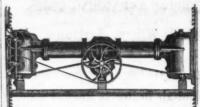
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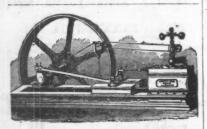
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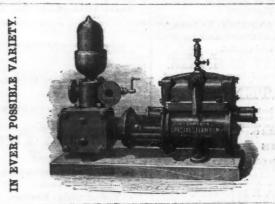
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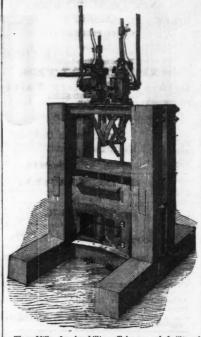
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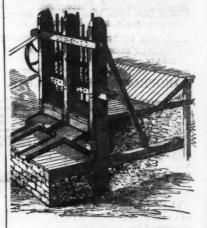
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