sometimes keep clean hands, and dress nearly, and show a nothing of the art of coloring marble. Neither do we find one pays for learning differ at the several places. white shirt front, and carry only a pencil behind his ear; con- any mention of such an art in connection with Polycletus, gery, rather than the substance with its independence.

have studied for the "professions;" two had studied law, one those at Rome. medicine. Each wanted advice, and, if possible, aid; but although neither could succeed in his chosen profession, neither does not allude to the art of coloring marble through the enwas willing to attempt manual or mechanical labor. What tire mass in his ten books. Yet he lived under Augustus, who quired to withstand the jar of uneven roads. It is estimated each wanted was either an insurance agency, a clerkship, trav- zealously patronized the arts, and was wont to say, "That he eling agency, or place as copyist-anything rather than soil found the city built of brick, and left it constructed of lessons in riding, with a view of going on the road when the the hands. We can point to men who write "M.D." after marble," ${\it their names who \ cannot compose a \ parseable \ English \ sentence.}$ We know of members of the "bar" who do not understand Egypt, and even Africa, as far as the temple Jupiter Ammon, series of velocipede races to come off on his race track early the constitution of their country or the principles underlying then retired to Rome, where he wrote his ten books on the it. These might have made good blacksmiths, or machinists, edifices, monuments, and works of art he had examined, and or carpenters, or ship-builders (though we much doubt it), but contrasted them with those of Rome. In the work of this in Boston, on Court street, near the Revere House,

seldom the case that the apprentice looks upon his term of entire mass; yet this erudite writer not only describes the apprenticeship as so many years of lost or wasted time. He edifices and works of art, but furnishes historical records, an- pede school of Mr. C. Witty, engaged on a tilt at riding, which does not care to learn. He seems to suppose that the practi- ecdotes, and legends connected with them. cal knowledge of his business is, somehow, to grow into his apprehension without effort on his part. To worry through of his "Room of Beauties," "Researches and Operations in the years of apprenticeship, with the least labor or effort to Egypt," p. 227, pretended to assert that the ancients knew themselves and the least benefit to their employers, is really the art of coloring marble and granite through the entire each placed in the hands of Mr. Charles H. Bladen, the final the principal study of some apprentices. They are not the mass, though he may have thought they could beautifully deposit was made at the house of Mr. Henlin, 720 Broadway, only ones who look upon the years of apprenticeship in the color and stain it on the surface. same light. A letter received from a young man says he wants to become a machinist, but his father objects to his giving (?) three years to a trade.

mechanical skill will be valued at their true worth, as com- mass, we may fairly conclude that the ancients knew nothing amount of money is already staked upon the result. pared with other employment and other aptness; but so long of this art, and that it is simply and purely an American disas our young men prefer to preserve soft and clean hands as something more valuable than personal independence and a means of usefulsess, we look for no abatement in the number of applications for "genteel" places.

ART OF COLORING MARBLE.

Did the ancients practice the art of coloring marble, or is issue. it a recent American discovery? The New York Times, of February 15, 1869, in an editorial headed "Marble Coloring," says: "The art of coloring marble, through the entire mass, is supposed to have been known to the ancients, inasmuch as are a frivolous invention, only calculated to subserve purposes medium hight can with his feet reach the treadles of one of among the ruins traces of colored marbles and stones are of amusement, and soon to be superseded by some other found.

headed, "A New and Important Discovery in the Fine Arts, and its Special Application to Church Architecture," thinks there are plausible reasons why some writers have ranked locipede, as now improved, is destined to mark an era in the the art of coloring marble among the lost arts, because history of vehicles, an era that will last long after present rider wishes to propel himself, and in the direction in which " among the ruins of ancient temples and monuments, colored marbles and stones have been found, of whose original fore continue our notes on the progress of this invention, and sources no trace can be obtained. If they came from quarries, the quarries are unknown in our day.'

In Venice and other cities of Lombardy are columns and resembles the Parian, but is not quite so opaque. The quar- he claims will supersede the velocipede. A local paper desries of this kind of marble are as yet unknown. Might it cribes it : not be said with equally plausible reasons that the Italians knew the art of making this marble, but they lost it?

have not been found, is hardly a sufficient reason for classing prehend this wheel to be, as it were, two wheels of this diamthe art of coloring marble among "the lost arts," for it may safely be asserted, that in all the countries which constituted the two are made a unit by a light rim twelve inches wide, the ancient world, Egypt, Asia Minor, Greece, Turkey, Italy, running around and within two inches of the outer circum-Northern Africa, and the Mediterranean Isles, have been in a ference of the two supposed wheels. This comprehension ! state of stagnation since the fall of Rome and Constantinople; will enable the reader to understand that this wheel is in and that whenever accurate geologic and mineralogic surveys reality a rim 5 feet 10 inches in diameter and about 14 inches are made, the quarries may be re-discovered.

will conclusively show that the art of coloring marble through Inside of this rim or wheel, a light but strong frame is hung, the entire mass was neither known to, nor practiced by them.

The word marmaros was applied by the earliest Greek writers to any rock, stone, block, or fragment, with the idea angle of nearly ninety degrees, is a band that may be properof shining, sparkling, bright. B. C. 800 Homer ("Iliad," xii., ly called an endless ladder. The band, it will be understood, 380) and Euripides (B. C. 450, in his "Phœniss," 673) used passes over a pulley below and a pulley above. On the edges the term in that sense. It was evidently derived from of this endless ladder, in close proximity and parallel to each These are about the size of the hind wheels of an ordinary Theocritus first applied marmaros to works of art in leys. These pulleys are so arranged as to unhinge on similar serves merely to support the forward part of the machine. marble.

Within two weeks we have had calls from young men who elegance, superior to every other theater, and not excepting

Vitruvius, the ablest Latin writer on ancient architecture,

Pausanias (A. D. 120) visited Greece, Macedonia, Asia, they might have been usefully employed in shoveling gravel. author, who is the highest authority on ancient archeology,

Possibly the time will come when mechanical labor and logy mentions the art of coloring marble through the entire covery

> among the Ancients," and Quatremère de Quincy could not help indorsing such a conclusion.

> As a synopsis of the finest marbles known to the ancients might throw more light on this subject, and be a guide to American explorers and pioneers, we shall give it in a future

VELOCIPEDE NOTES.

There are some who think, or pretend to think velocipedes ephemeral claimant for popularity. To such it perhaps seems The Metropolitan Record, of February 20, 1869, in an article a waste of time and space to record the progress of this most prominent mechanical invention of the time. We, on the contrary, have avowed and still avow our belief that the veare confident from the many letters of approval we receive, they prove very acceptable to a large number of our readers.

A young mechanic in Dubuque, Iowa, has invented and con-

"The reader must disabuse his mind of all the forms cometer, and of a proportion not unlike a driving sulky's-that A synopsis of what the ancients knew and did as to marble, the edges. Having entertained this form, we proceed further. nearly upright position. by a novel device, which keeps it independent, so far as not to obstruct its (the wheel's) motion. From the bottom of the frame, which is square, and running to the top of it, at an peculiarly contrived pulleys on the inner circumference of the

able insignia of toil about with him, while the clerk may 469. Yet, in connection with him or his paintings, we find to twelve machines are kept, and the arrangements whereby

Some charge so much for a series of ten lessons, while others sequently the choice of the show with its accompanying drud, the famous sculptor and architect who built the theater at charge a small admittance fee and a certain price per hour for Epidaurus, which Pausanias pronounces, in symmetry and using the machine, as is the case in playing billiards. In either case they all made money, and a machine pays for itself in a very short time.

> The hall velocipedes are for the most part slim built affairs, not suitable for roads, where a strong machine will be rethat upwards of one thousand young Bostonians are taking spring opens.

> Mr. Nat Perkins, of Riverside Park, will offer prizes for a in the spring.

> Walter Brown has opened the velocipede rink, number 10,

A few evenings since, Mr, Hiram Henlin, of 720 Broadway, But after having chosen a mechanical profession, it is not there is no allusion to any art of coloring marble through the New York, and Mr. Samuel Keeler, the well-known and popular treasurer of the New York Theater, while at the velociended in rather a novel wager. Mr. Henlin agreeing to ride a Not even Belzoni (A. D. 1818), describing the vivid colors velocipede against Mr. Keeler, from New York to Chicago, in less time than Mr. Keeler could, for the sum of \$1,500 a side. Articles of agreement were drawn up, and a forfeit of \$250 on the evening of Thursday, February 16, 1869-umpires Hence, as neither the ediles from B. C. 493 to A. D. 476, a and starting day then named. We suppose this will be period of one thousand years, neither the ancient painters, the forerunner of several matches of the same kind, as the sculptors, and architects, nor the ancient writers on archeo- velocipede mania is on the increase. The affair is creating considerable excitement in sporting circles, and a large

A new style of bicycle-the first specimen of which was completed about a fortnight since, and several of which have No doubt, Winkelman, author of the "History of Art since been manufactured, and subjected to a variety of tests as to strength and susceptibility of easy propulsion and control-is, we are informed, the recipient of many.encomiums from those who have learned to ride it. It is called the Improved American Velocipede, invented by A. T. Demarest, of this city. It differs from the styles best known to the public, in important respects. The iron arms, between which the front wheel is held, are inclined back at an angle of forty-five degrees from the perpendicular, which inclination brings the seat in such a relative position to the fore wheel that a man of these velocipedes, the front wheel of which is forty-five inches in diameter, with as much ease as he can those of the ordinary velocipede, the fore wheel of which is of a diameter seven or eight inches smaller. This peculiarity gives likewise great facility in describing sharp curves and circles of small diameter, the body being inclined in the direction in which the cavillers and devotees have passed off the stage. We there- the driving wheel is inclined. Those who have become expert in the use of this new machine, claim that the movement of the body in propelling and guiding it is more nearly analogous to that in skating than is that employed in controlling the ordinary bicycle. Indeed, they claim that it can be guidaltars of a translucent white marble, marmo statuario, which structed a vehicle which he terms the "velocycle," and which ed by the mere inclination of the body without perceptibly varying the pressure upon the handles to the one side or the

other. It is also claimed that by the peculiar rakish arrangement referred to, three obvious advantages are secured-that mon to the velocipede, and imagine a wheel 5 feet 10 inches the driving wheel never touches the pantaloons to soil them; That analogues and quarries of ancient colored marbles in diameter. Nay, the imagination must go further and com- that however formidable an obstruction may be encountered, whether it be a curb-stone or anything else of equal hight, the arms holding the driving wheel will never be bent back in such a way that the wheels will lap each other (as those of the other styles of velocipede sometimes will), for the reason that those arms point directly toward such obstruction, the sole effect of striking it being to lift the front wheel and the rider; and that the hind wheel-whether a straight line wide, with two flanges, of two inches depth, projecting over be followed or a circle described-remains in an upright or

The Milwaukee Sentinel, of the 18th February, says that Mr. Cubberley, the inventor of the new velocipede, gave an exhibition of its speed and mode of operation at the Chamber of Commerce yesterday. The 'new-comer' made a favorable impression, and will doubtless supersede the treacherous 'bicycles.'" This machine is described as a tricycle, the rider sitting over and between the main wheels, as upon a sulky. marmarein, to shine, sparkle, gleam, glitter. B. C. 270, other, like strings of great beads, are a series of friction pul- carriage. The third, or guide wheel, is of small size, and

Its most striking peculiarity is the ingenious contrivance main wheel or rim, near to the intersections of the flanges. The word m a r m a r o n, marble, also rock crystal, or whereby the weight of the rider is made to contribute to the feldspar, on account of their shining appearance, was of later The revolution of this band or endless ladder, through the propelling power, thus materially relieving the strain upon date. The Latin word marmor is formed from it, and is neu- medium of these pulleys, causes the main wheel or rim to the muscles of the arms and legs. The apparatus for guidter like its original, in spite of its termination or. The Ger- revolve." ing, in addition to its main purpose, is so connected that the

man, marmor; Italian, marmo; French, marbre; English, While the velocipede is still having its run in Paris, the arms may assist in imparting motion to the wheels when not marble, are but so many Graeco-Latin derivatives. Mineral- other cities and towns of France are putting spokes in its engaged in giving direction. The movements of the body in ogists have limited the word to rocks and stones, whose sole wheels in the way of municipal restrictions. At Lyons no riding are very similar to the gentle rise and fall of a person or chief ingredient is carbonate of lime, susceptible of polish. one can appear in the public streets or highways on a veriding on horseback, the rapidity of the motions increasing

There were at Rome, as early as 493 B. C., two ediles, locipede, and at Bordeaux, if a velocipedist goes out after sun- with the velocity. architectural engineers, whose duty was to superintend the set, he must carry a lantern, lighted. The following remarks upon learning the velocipede are

A velocipede race took place at Worcester, Mass., a day or based upon practical experience and will be found of use to erection, adorning, and repairing of public buildings, streets, markets, etc. B. C. 366, two more were added, styled curile two ago. There were eighteen competitors, eight of whom those who have not yet "broken their colt;" ediles. Julius Cæsar joined to them two ediles cereales, B. C. were thrown. The remaining ten finished a course, of a little "To learn the velocipede, where possible, it is advisable to 44. The ediles had precedence in the Senate; their office less than half a mile, in various periods of time; the fastest use a velocipede not too elevated, so that the soles of the feet was one of the most honored in the State. Would not one rider making the course in seventy-two seconds. touch the earth. To start with the velocipede it suffices to of these distinguished Roman savants and engineers have It is said that the first velocipede made its appearance in ran with the machine, so as to master well in the mind the somewhere alluded to the art of coloring marble if such an Minneapolis, Minnesota, on Tuesday, Feb. 16, and created a action of the fore wheel, for all depends on this wheel. Half art had been known and practiced?

great excitement.

an hour of this is all that is requisite. Then one only of Polygnotus, who was surnamed "The Prometheus of There are at the present time some twelve or fifteen schools the feet is placed on the pedal, keeping the other leg on the painting," and whose works were so highly esteemed, no in Boston where the use of the velocipede is taught, and they ground, and one guides oneself in pushing this pedal a few doubt knew all the colors and coloring of his epoch, B. C. are increasing in number every day. At these halls from four moments. When one has by this acquired the notion of governing the velocipede, one lifts the leg that was on the ground periodically laid waste. The people of the United States will certainly thus have acquired the means of attaining a has been an earthquake by which any considerable city of the medium speed. To get off, the feet are at once and simulta- United States has been destroyed. neously lifted off the two pedals, which diminishes the speed, upon which both feet are put at once to the ground.

"There is no danger, with a little caution, in using this machine in this way, even for a novice. The pedal is so-constructed that the foot of the rider can at once leave it, and he been laid waste, the whole city of Rio Banba, with 30,000 has only to put the foot to the ground at the side upon which let the handles go; these serve to maintain and restore the balance of the machine when the rider has got off it.

mode above indicated, the learnershould get some one to hold one of the towns or cities destroyed in the recent earthquake

and the predictions that these machines would prove danger- noise resembling a subterranean thunderclap was heard a position, examples of molecular physics, and explanations of ous have not been verified. A Cincinnati paper gives the fol- quarter of an hour later at Truxillo, but unaccompanied by the formation of cloud and the blue color of the sky, whereof lowing account of a velocipede accident, resulting, however, from no defect in the machine :

A lad by the name of George Grier, having a desire to learn to ride the velocipede, engaged one of the machines at the velocipede school on Seventh street, and commenced his lesson in the fourth story of the building. He proved to be a very apt pupil, and having made the circuit of the large room sev-eral times with the assistance of his teacher, was anxious to try eral times with the assistance of his teacher, was analous of it alone. Mr. Miller acquiesced, and gave the novice a good start. The lad run the machine eight or ten yards very skill-fully, but after that distance had been gone over, the veloci-pede became unmanageable, and made for a large hatchway in the middle of the room. The machine going at full speed, ran against the wooden guard around the opening, crashed through the boarding, and precipitated the rider to the cellar of the building four stories and thalf beneath. His fall was of the building, four stories and a half beneath. His fall was somewhat beken by the velocipede, which it seems struck the ground first, with him clinging to it; but notwithstanding this favorable circumstance, he received injuries which it is feared may prove fatal.

The junior editor of the Mauch Chunk Gazette has been experimenting on the velocipede, and gives an amusing account of his experience. The difference between these new-fangled horses and the orthodox quadrupeds seems to be about this: In the case of the former, the animal has to be broken before it can be ridden, while with the latter it is the rider who must undergo the breaking process.

ABOUT EARTHQUAKES.

On the 13th of August last, and the three successive days fearful earthquakes occurred on the coast of Peru and in the interior of Ecuador, extending from Ibarra, a town of Ecuador, fifty miles to the north of Quito, to Arica, Arequipo, and Iquique, along the coast for a distance of 1,200 miles, and over a wide, but as yet unascertained region of the interior. improbable, if not impossible. The mine from which the The particulars of the catastrophe are familiar to our read ers. An English exchange, in discussing this disaster in connection with earthquakes in general, gives some interesting mine would be much more simple than the production of the details, from which we condense the following :

"Of all the great and overwhelming evils to which men tains various metals-lead, silver, zinc, copper, gold, iron, and are exposed, there is no one so sudden, so terrible, and so de manganese—is treated so as to remove the silver, lead, and structive as that produced by earthquakes in those regions in gold, and when the residuum has been subjected to a white-red which the great internal fires of the earth, or the vapors pro- heat, the powder becomes impalpable and delicately soft, duced by chemical or other action, are still in full force. It and of a pinkish chocolate color-this seems to be a common is the opinion of the great Humboldt that if we could obtain impure iron paint. This powder is made into white lead by daily intelligence of the condition of the whole surface of the burning it with small hard coal in a closed furnace, from earth, we should probably arrive at the conviction that the which the mineral is drawn off by large rotary fans in minute surface is almost always shaking at some point, and that it and delicate flakes, which prove upon analysis to be composed is incessantly affected by causes working at one point or other of lead and zinc, with a small percentage of cadmium. In in the interior of the earth. Earthquakes probably owe their this process, the transmutation of metals is an accomplished origin to the high temperature of deep-seated molten strata fact; and, assuming that it can be carried out in practice, it in the interior, and are quite independent of the nature of must be admitted that all existing chemical knowledge is the rocks or of the earth near the surface, Earthquake shocks absolutely worthless." have been felt even in the loose alluvial soil of Holland; and the great earthquake which destroyed the city of Lisbon on the 1st of November, 1755, was telt as far north as the shores of the Baltic and the mountains of Scotland. But it is one great happiness which the natives of the British Islands and Northern Europe possess that they have long been free from earthquakes of destructive violence. The great internal fires in the form of a smelt inside the shell of an oyster. The or forces, of whatever nature they may be, by which destruc- oyster shell (lower valve) measured four and a half by three tive earthquakes are produced, seem to have exhausted their inches and the smelt was five inches long, lying curved to strength, at least for some hundred years now past, in North- conform to the mouth of the shell and in a good state of preern Europe. Yet our distance from these great centers of servation. As the food of the oyster consists of nothing commotion is not so great as we generally suppose. The larger than the animaculæ of the salt water, it must thereearthquake of Lisbon in 1755 was probably one of the great. est convulsions in modern times, and attended with the most tion while the oyster had his shell open for an airing, and terrible loss of life. That at Messina, in Sicily, in the year when that representative of the family clupeidx intruded, the 1783, was scarcely less terrible or fatal, and nearly the whole oyster imprisoned him for ransom. of the south of Spain, of Italy, and of Greece have at various times been shaken and convulsed with earthquakes. Happily, however, they do not appear in modern times to have exercised any destructive influence north of the chain of the Alps, although tremblings of the earth were feltalmost every hour, for months together, in the month of April, 1808, on cost of \$200,000. The material is the very last we should the eastern declivity of Mont Cenis, a portion of the chain of adopt for any structure required to be permanent, but perhaps the Alps at Fenestrelles, and Pignesol. Beyond that point permanency was not contemplated for the Freedman's Bureau. these great internal forces, though often felt, have never produced any dangerous convulsion in modern times, and the by which so many other portions of the earth are The contract price is ten millions of dollars.

"From the West Indies southward, over the greater part of South America, the causes by which the earthquakes are prostates that this terrible event was unaccompanied by any noise, but that a great subterranean detonation was heard New Granada (Nov. 16, 1827), subterranean detonations were enriched. heard with great regularity at intervals of thirty seconds

throughout the whole Cauca Valley, while at a distance of Vincent, one of the small islands of the West Indies, was pouring forth a prodigious stream of lava. During the violent earthquake in New Granada, in February, 1835, subterranean thunder was heard as far north as the islands of Jamaica and Hayti, as well as the lake of Nicaragua. Wonderful as these distances are, they are not greater than the vibration produced by the great earthquake of Lisbon, which was felt over a space four times as large as the whole of Europe. In that great convulsion the sea rose at Cadiz, in conand in the West India Islands, where it usually does not rise once seen. more than three feet, to an elevation of at least twenty feet.

There is no manifestation of force yet known to us (including the murderous inventions of our own race) by which a earthquakes. Sixty thousand were destroyed in Sicily in 1693; 30,000 to 40,000 at Rio Banba, in South America, in vertising medium. 1797; and perhaps five times as many in Asia Minor and Syria, under Tiberius and the elder Justinian, in the years Peru will prove, when all the results are known, nearly equal to some of the above."

New American Pigment.

The London Mining Journal in noticing some extraordinary pufts of a pigment, known here as "Bartlett's Lead," says: "The process described, and the resulting product, are alike raw material is derived was described as being first in New Jersey and then in North Carolina; yet the removal of the pigment stated by the process described. An ore, which con-

Editorial Summaru.

A CURIOSITY.—At the dining rooms of Messrs. Crook, Fox, & Nash, Park Row, this city, we saw last week a curiosity fore be inferred that the smelt was on an exploring expedi-

INTERESTING EXPERIMENTS BY PROF. TYNDALL.-Dr. Tynand places it on the other pedal. Then cause the legs to reg- have, to a great extent, the same reason for gratitude; for, dall has made some very surprising experiments by passing ularly and alternately turn the pedals; speed of course is in- although there were very destructive earthquakes in the val- vapors of different chemical substances into an exhausted creased by quickening the action. After an hour or two one ley of the Mississippi in the years 1810-11, there never yet glass tube, and then sending through them a beam of electric light. The vapor is at first invisible, but after the light has shone through it for a few seconds, it forms clouds of a blue, green, red, or mauve color, which break up into the most fantastic and beautiful forms, endowed with a rotary motion, duced appear still to be in action. In the earthquake of which adds greatly to their effect on the eye. In some instan-Rio Banba, in the same district of country which has just ccs, the cloud takes the shape of funnels overlapping each other, and, curiously enough, the inner ones can be seen or 40,000 inhabitants, was destroyed in a few minutes by a through the outer ones. The most surprising of all is the the machine inclines to gain a resisting point : one must not sudden explosion like the blowing up of a mine. Humboldt vapor of hydriodic acid. The cloud is seen cone-shaped, supporting vases of exquisite form, and over the edges of these vases fall faint clouds, resembling spectral sheets of liquid. Should the velocipede be too high to practice it in the twenty minutes after the catastrophe at Quito and Ibarra, Afterwards, a change takes place-roses, tulips, and sunflowers appear; then come a series of beautifully shaped bottles, one the machine, the hands on the extremity of the bar upon which in Peru. It was not, however, even heard at Tacunga, an- within the other, and on one occasion there was seen the the rider sits, so as in no way to impede the action of the other of the places destroyed, although that place is (or shape of a fish with eyes, gills, and feelers. What, it may be fore wheel. It is well to choose a sloping ground to learn on. rather was) nearer to the great convulsion of 1797. In the asked, is the use of all this fantistic beauty? The answer is, So far, accidents have been neither numerous or serious, celebrated earthquake of Lima and Callao (Oct. 28, 1746), a that Dr. Tyndall finds therein illustration of chemical decommovement. In like manner after the great earthquake of we shall hear more by-and-by, and by which science will be

> TEST FOR THE STRENGTH OF ALCOHOL.-Alcohol dissolves 632 miles to the north-east the crater of the volcano of St. chloroform, so that when a mixture of alcohol and water is shaken up with chloroform, the alcohol and chloroform unite, leaving the water separate. On this fact Basile Rakowitsch, of the Imperial Russian Navy, has founded his invention. The instrument he uses is a graduated glass tube into which a measured quantity of chloroform is poured, and to this is added a given quantity of the liquid to be tested; these are well mixed together and then left to subside; the chloroform takes up the alcohol and leaves the water, which being lighter than the chloroform will float on the top; and the quansequence of the commotion of the earth, above sixty feet; tity of water that has been mixed with the spirit will be at

> N F. BURNHAM, of York, Pa., in a recent letter, says: "I shall shortly send you an advertisement for my wheel; I greater number of human beings have been killed in the have already received over one hundred letters from your deshort space of a few seconds or minutes than in the case of scription of it in your paper of the 9th Feb." This is a valuable endorsement of the SCIENTIFIC AMERICAN as an ad-

> THIS WINTER although a very mild one has been a very 19 and 526.' We fear that this new calamity in Ecuador and hard one on proprietors of Skating Rinks in New York and Brooklyn, who have only saved themselves from ruinous losses by adopting the velocipede.

> > MR. FRANK BUCKLAND states that the skin of the salmon will make leather as tough as wash-leather and about the thickness of dog-skin leather. The scale marks give a very neat pattern to the leather.

MANUFACTURING, MINING, AND RAILROAD ITEMS.

 ${\tt Quicksilver.-It\ is\ asserted\ that\ the\ increased\ production\ of\ the\ Californian only on the control of the control$ nia quicksilver mines has stimulated the workings of the old Almaden mines in Spain, and the Austrian mines of Idria, and that the price of this metal has fallen in consequence in London, where it is fifteen per cent lower than it was four or five years ago. California now sends quicksilver to various places in the following order of their importance-the first mentioned taking the smallest quantity; British Columbia, Australia, South America, Great Britain, New York, Mexico, and, during the past year, China, which was the best customer.

The Central Pacific Railroad Company finds it exceedingly difficult to keep their employés from deserting, on account of the White Pine gold excitement. They ship car loads of workmen who get their ride for nothing, and strike for the gold region when they get as near as the road can carry

An item stating that the first cotton mill erected in New England was at Putnam, Conn., recently found its way into our manufacturing items by mistake. The first cotton mill erected in the United States was at Pawtucket, R. I., built by Samuel Slater in 1793.

The amount of petroleum remaining unsold in the United States on the Arst of January last is stated at 520,588 barrels; a float and in Europe, 439,688 barrels; total 960,256, showing a decrease of 312,925 barrels as compared with the first of January, 1863.

St. Thomas' Church, in New York city, is to have a full chime of bells, the largest of which will weigh 5,500 pounds and be the heaviest harmonic bell ever cast in the country.

A valuable sulphur deposit has been found in Louisiana, near Lake Charles, 500 feet beneath the surface

One thousand stationary engines are employed in the manufacturing establishments of Philadelphia.

The revolution in Cuba has raised the price of sugar and greatly depressed

THE PATENT SANDSTONE.-The recent fall of the church built of this material at Morrisania has set people to thinking what is likely to happen to the Freedman's Bureau buildings at Washington, built of the same worthless stuff at a

It is said that contracts have been made with a French natives of France, Germany, and the British Islands may re- | Company for opening a canal across the Isthmus in Nicaragua gard it as one of the many great advantages for which they and with an American Company for an Isthmus railroad. have reason to be thankful that they are now, and have been Work on the latter is to begin in the spring, and the first for many generations, free from destructive ravages of forces thirty miles of the canal are to be finished in eighteen months.

the hoop-pole business in Maine.

The first piano shipped to Japan was sent recently by a New Haven manufacturer.

One of the Oriental Powder Company's mills, in Gorham, Maine, blew up on Saturday. A Prussian named Shaiel had his leg broken. No one else washurt.

A transparent agate inclosing a drop of water has been found in Willamette river, Oregon.

The product of the Nevada mines for 1868 is stated as being sixteen millions of dollars.

Seeds of the cork tree have been brought from Portugal to Florida with view to test its cultivation there.

A seventy-five pound hugget one-third gold, is said to have been recently found in an Oregon mine.

Earth is stated to have been found frozen in a Colorado mine at a depth of 125 feet.

An Illinois beet sugar company uses fifty tuns of beets a day, and will soon increase its consumption to sixty tuns.

A world's fair, to be held in San Francisco in 1970, is talked of

Gold diggings have been discovered in Scotland.

A canal across the State of Georgia is talked of.