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All kinds of Wheels Changed or Fitted with Pneumatic Tires. Difficult Repair Work a Specialty.



a temperature of-1.700 degree, C., a porand other collateral. celain is obtained with a translucency customers will receive special attentso from a lady attendant. comparable to that of ordinary porcelain; or, if heated for eighteen hours. K. E. ALLINGTON, 32 Reynold's Arcade. at a temperature of 1,200 degress, porous asbestos porcelain results, of a light JOHN E MAIER & SON, vellow or white color. if the asbestos (Formerly with L. W. Maier,) powder be washed with sulphurid scid. Tests made with vessels produced from Undertakers this kind of porcelain show a decided

Office. 388 North St. Deininger Bldg. Residence, 571, St. Joseph St. one No. 1.035. Open Day and Night.



ranged in such a manner that the POPULAR SCIENCE. sumhur absorbs two atoms of orygen from the air, and thus forms the salphurous acid which is the bleaching igent. White wors eds bleached by SOME WONDER WORKERS OF RECENT DISCOVERY such a process are not, however, equal in value to those bleached by the shid ine method, the latter being more The Material of the Earth and Sun lasting.

Asbestos Porcelain.

The name of asbestos porcelain is

given to a newly invented French

material, possessing, it is asserted, some

special advantages over ordinary por-

celain. The fibres of asbestos are ex-

seedingly fine. French messurements

showing their diameter to vary be-

tween .00016 and .0002 millimetres, an

exceedingly fine powder being conse-

uently obtainable from them. If it

were possible to amalgamate such

small particles without the addition of

any foreign substance, it is evident,

says the Electrical World, that a

material could be obtained, though

porous in nature, the pores of which

would be so fine as to be hardly visible

under the microscope. The substance

in question is formed by pulverizing

the asbestos, from which powder a

dried and kneaded, diluted with

water, dried and kneaded again, and

then mouided into the desired form.

By heating the latter in a crucible to

superiority of the article in certain

Antarctic Explorations.

includes about five-sizths of the

A Locomotive Stone Breaker.

LOCOMOTIVE STONE BREAKER

be handled in large lumps.

means of a rod and nut. The material

With the improved means of stone

chemical uses.

paste is made by mixture with water,

An Inexpensive Window Awning.

dinary window shade may be used as a part of a window awning, serving when not so employed the ordinary purposes of a window shade, is illustrated in the accompanying engraving, and forms the subject of a patent which has been issued to Mr. Bernard Branner of New York City. , The ordinary spring roller shade, E, is shown extended outwardly as an awning, in which position it is supported by a keeper hook at each side in the outer ends of the stretcher rods, C. of the side wings, D. These stretcher rods



WINDOW SHADE AWNING.

are each hinged on the lower end of an upright stay rod, secured one on each side of the window, the stay rods forming the upright supports for the wings, whose ower edges are connected with the horizontal stretcher rods. A cord, A, is passed through marginal rings in the wings, and by drawing on this cord the stretcher rods are folded upwardly, inclosing the attached wing material, a cord, B, facilitating the extension and securing of the awning in position. Different forms of side stay rods are contemplated by the invention, and the wings and their stretcher rods may readily be completely removed. When the shade is not to be used as an awring, it is released from the keeper hooks on the outer ends of the stretcher rods and drawn into the by some, produce an imperceptible spartment, then becoming a pendant drainage of the oceans from the north screen for the window. By a slight

## A LITTLE NONSENSE.

Foreigner-What I admire in your New York girls is their fine arms. New Yorker-Yes. They develop them by hanging on the straps in horse cars and "L" trains so much.

Clergyman, at a parishioner's grave -Yes, my friends, our departed brother has been taken suddenly away, An improvement whereby the or- leaving behind a mourning widow of twenty-four summers. Widow, amid her sobs-Oh, no, sir; I'm only twenty-two.

> Disgusted Passenger-It is nothing but an outrage, the way these street cars are packed and jammed every evening. Conductor-I know it is; but you see the company won't let us take the seats out. If the seats were only took out there would be plenty o' room to stand.

"Wonderful climate in Arizony," said the returned wanderer. **''I** knowed a feller to have twenty-seven bullets shot into him and still git well as ever." "He must have suffered a great deal." "He did pardner, he did. The pore feller was so full o' holes he couldn't hold whisky.

Wife-Here's an advertisement in the paper that you'd better look into. It says that a man is wanted, and he won't be worked to death, and he'll get paid enough to live on. Husband -Says he won't be worked to death, eh? "Yes, and they pay enough to live on." "Huh! . Some catch about that."

"Don't you," said the earnest young woman, "sometimes have thoughts that are beyond your powers 'of expression?" "Ya'as; I fwequently have thoughts that ahe verwy hahd to expwess, and the worst of t is that when I get them expwessed I cawn't help wonderwing why I went to all that twouble.'

do you refuse to let me paint your kitchen? Peasant-In the first place it would cost too much, and secondly, it would soon be black again, anyway. Wagleigh-I guess poor Lunleigh is not long for this world. Tagleigh-Why so? Wagleigh-The doctor sent him in his bill yesterday.

WILD AND WOOLLY.

Watts-How do you spell whiskyk-y or k-e-y? Potts-K-y. Same as Kentucky.

My precept to all who build is that the owner should be an ornament to den flashes of wit Dr. Hale replied: the house and not the house to th owner.—Cicero.

PEOPLE OF NOTE

## is and, write a biography of Mr. Blaine.

Henry Villard's name was originally Hilgard, and he took his present one from an intimate friend of Lincoln.

A handsome park, in the memory of Edward P. Roe, the late novelist, is to be laid out in Cornwall, N. Y.

The people of Rhode Island are moving in the matter of raising funds for the erection of a monument to the Indian chief, Massasoit

"Regis voluntas suprema lex!" wrote the Emperor William some months ago. Now he has had the words "Nemo me impune lacessit!" inscribed upon a portrait of himself.

Hoke Smith's real name is Michael Hoke Smith. He is named after his grandfather, Michael Hoke, who was the Democratic candidate for governor of North Carolina in 1844.

Professor E. E. Barnard of the Lick observatory often devotes twenty hours of the twenty-four to work at the telescope and in the computing room during clear weather.

Two sons of the novelist Dickens reside in Australia. The elder one, christened Alfred Tennyson, has acquired a moderate fortune in business; and the younger, named after Edward Bulwer Lytton, sits in the parliament of the great southern continent

Lord Chief Justice Coleridge of Eng-

land visited this country in 1883 and became well known to New York newspaper men. He was then 63 years old, spare, tall, stoop-shouldered, with a pink face and white hair. He was a great favorite with reporters.

Lewis Carroll (as the author of "Alice in Wonderland," Rev. Charles Ludwige Dodgson, is known to the reading public) has not lost his love for Genre-Painter, to Peasant-But why | children, and he constantly entertains groups of them, including little actresses from the London theaters.

> Now that Fanny Kemble is dead it is recalled that in her youth she took a most gloomy and pessimistic view of life, though endowed with every bles ing that makes life enjoyable. But in her old age she was the personification of optimism, eminently cheerful and unrepining.

Rev. Dr. A. G. Lawson of Philadelphia when once sitting next to Edward Everett Hale at a banquet, asked the great Boston divine why Boston is called the hub. With one of his sud-



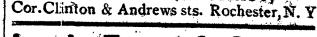
GENEROUSLY GIVEN THE POO San Elzeario, Tex., June 12, 9110 Two years ago you were kind enough to send me some of Pastor Koenig's Nerve Tonic, which I gave to two poor girls who were suffering from falling sickness, and they got well, after using your excellent remedy. My parish is poor to the utmost, but your charity will be your crown, for your remedy so generously given to the peor, and sourcellent, cannot but be an eternal re-ward. REV. E. V. LEBRETON.

Streator /III. Oct. 26, '91. Pastor Koenig's Nerve Tonic is the only medi-cine that ever helped one of our sisters who was suffering from nervousness and sleeplessness for ten years, we also recommended it to many others and it always had the desired effect. A lady in Ohio was suffering from epileptic fits for severa: years and found no relief, until she used Pastor Koenig's Nerve Tonic; three battles cured her entirely SISTERS OF ST. FRANCIS.

This remedy has been prepared by the Rev. Father Koenig, of Fort Wayne, Ind., since 1876, and is new under his direction by the

KOENIG MED. CO., Chicago, III.

Sold by Druggists at S1 per Bottle, 6 for S5. Large Size, \$1.75. 6 Bottles for \$9. THE KOBBE PHARMACY,

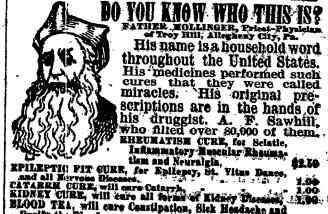




DEALERS IN Mechanics' Tools.

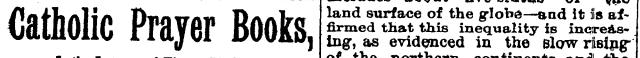
Builders' Hardware, Manufacturers' Supplies, 129 AND 131 EAST MAIN ST.

Two Doors East of So St. PAUL ST.



BLOOD TEA, will care all terms of hidney Diseases, states Parify the Blood, The above and all his other medicines will be sent express paid upon receipt of price, if your druggist can't furnish them. Cure guaranteed or money refunded. None genuine without my name on each package. Send for book, free, describing his treatment of chronic diseases. A. F. SAWHILL, Allegheny, Pa.

M. Jeanette Ballantyne, to the south, and the gradual emerg-Law Stenographer. geologists claim that an examination NOTARY WITH SEAL. of our globe exhibits an actual result Principal of Short-Hand Tecnic Institute, of this sort. Thus the greatest mass of the ocean is gathered about the 129 Powers Building, Rochester, N. Y. south pole-the northern hemisphere



of the northern continents and the In the Latest and Finest Bindings, sinking of the islands of the Pacific. Rosaries, Crucifixes, Holy-Water Fonts, It is, however, considered more prob-Communion Books in German & English, able by some that the water is slowly draining away from the northern hem-Statues, Pictures, Candlesticks, isphere and accumulating in the south-Wax Candles, You will always find a Large Assortment at the Lowest Prices. Wholesale and Retail. EDWARD VAY ballasting a railway track shown in the illustration, nothing but clean stone, substantially free from dust and Cor. King and East Maple Sts with no admixture of soil, is placed



MARBLE and GRANITE WORKS NELL BROS. & KERN, MANTELS, GRATES AND TILES IMPORTERS OF SCOTCH GRANITE,

238 & 240 STATE ST. ROCHESTER, N.Y.



change in the location of the awning material the device may also be atilence of southern continents. In fact, ized as a screen for a door.

## Earth and Sun.

In a recent discussion before the British Institution of Mechanical Epgineers of the theory that the earth must be composed of the same materials as the sun, it was urged that such a view receives striking confirmation from the spectroscope, by means of which instrument it has been demonstrated that there exists in the sun many of our metals, particularly iron, in the state of vapor-while meteoric stones, which belong to the same order of substances as the planets, have been found, by actual analysis, to be largely composed of iron and its carbides. Again, the law of the diffusion of gases

would lead to the presumption that on the condensation of the metallic vapor the substances of higher specific grayity, or greater atomic weight, would collect chiefly near the center of the future globe, while the lighter matters

would tend to aggregate on the surface; and, as the mean specific gravity of the earth is about five, while that of its superficial deposits ranges from only two and one-half to four, it is thought to be evident that the interior of the globe must be composed of substances having high specific weights, such as iron, for example, which ranges between seven and eight. Moreover, it is certain that the rocks at a comparatively short distance down from the surface exist in a highly heated if not in a molten condition.

Wire Glass.

Some of the recent improvements made in the manufacture of wire glass leave no doubt as to the practical value of that new and novel article. The form of apparatus by means of which the most satisfactory results are being produced is found to be a glass rolling

table, having a three-roller carriage cently isssued, the machine being in over it. running on the side ledges, and the form of a locomotive adapted to upon this table the glass is rolled out run thirty miles an hour, while it can the ledges regulating its thickness; be changed to a stone breaker in five seconds, by raising the drivers off the two of the rollers are smooth, the central roller has a series of grooves runtrack. The machine is always ready for use, on the road or in the quarry, ning around it, and between the leading and the corrugated roller a slide is and will break from twenty-five to placed for the reception of a sheet of thirty cubic yards of stone per hour. wire gauze. Now, a proper quantity while it will also haul one loaded of melted glass being poured out upon car. The rock for ballasting can the table, the hot sheet of wire gauze beis placed in its carrier, and the roller ing loaded on flat-cars and carrier started: the latter having drawn to the place of use, two-thirds progressed a little, the wire is dropped; of the rock being undisturbed as it is the first roller has rolled out the glass: dropped from the car on to the roadthe wire gauze strikes the partly fluid bed, thus saving the handling of the glass; and is drawn under the corruballast by shovels. The distance begated roller; the latter seizes it, and, tween the crushing jaws and the size by its corrugations, forces it into the of the crushed material is regulated by raising or lowering wedges by pasty glass to the required depth. At this stage the compound mass goes under the third roller, where it is rolled is crushed by the machine to a more to the moothest possible condition, uniform size and in a more expeditions and the operation is completed. The manner than the same can be effected by hand for a macadam or an ordinary sheet is subsequently annealed in the roadway, as well as for a railroad, and usual way. and is ready for use.

You can always find out how much a man is worth when he dies by looking at his will. It is a dead give-away. "Carrie," said the bashful youth, with a gasp. "If you liked somebody else about the same as you like me, would you care to marry him?" Little Johnny-May I hitch the dog

to my sled and let him pull me? Mother-I'm afraid he'll bite you. Little Johnny-It's the other end I'm going to hitch.

An exchange says a man's full mental power is not reached before the age of 25. Either this is wrong, or the college freshman has been misinformed as to himself.

The Vicar-Oh, that's your boy, Smithers? And what's he going to be? A shoemaker like yourself? Smithers -Oh. no! sir. He's uncommon fond of animals, you see; so we're thinking of making him a butcher.

Indignant Manager - See here, Spriggs, you have got to get some new gags. The audience will never stand right now that you ain't neither a senator nor a bishop. See?

Last Friday evening two men walked into an uptown restaurant. They sat down at one of the tables and began studying the bill of fare. "Well," said one of them, "I'll take a little fish." The other glanced at the skimmed and watered article. clock and read the bill of fare again. "I think," he said slowly, "I think I will take a Welsh rabbit." The man who took fish looked up in alarm. "Great heavens! Charley," he said, "ro-

is sin.

present one.

o hold heaven up.

Wherever there is a sin it is sure to be followed by a sorrow. No man is good who behaves himself

simply because he has to. The best answer you can make to self-conceit is to keep still. There are too many men who love to

preach but hate to practice. Many there be who buy nothing with their money but repentance. Modest appearance, good humor and prudence make a gentleman.

No man can be truly brave who is not seeking to be truly good.

"Boston is the hub because out of it go spokesmen of the wheel of mankind who never tire of doing good to their fellows."

ALL SORTS AND SIZES.

Over 600 varieties of cotton are said to exist-400 in Asia and Africa and 200 in America.

In the South an average mule is worth \$70, and a pair of extra good ones will bring \$300 or more. Louisville is the great mule market of the South.

Mr. Blaine was superstitious in regard to the number seven, and believed that if he should outlive the completion of his ninth seven years he would recover. He did not.

Pere Charmatant, founder of the order of the White Fathers, who was born in France in 1844, has been appointed to succeed the late Cardinal Lavigerie as primate of Africa.

A number of vagabonds are said to make a living in New York by following express wagons around the city, on them mouldy chestnuts you are giving the alert to steal packages while the 'em. You might as well understand expressman is in the house doing business

> Chicago milkmen keep in their wagons a decoy can containing unadulterated milk. When the inspector demands a sample for test, he is supplied from the decoy can, while customers must be content with the

The late Bishop Phillips Brooks was to confirm a class in a highly ritualistic parish, and the rector, an old friend of the bishop's and well acquainted with the latter's broad church views,

wrote to say that as there might be some features of the service which Bishop Brooks would disapprove, any such would be omitted if he would be kind enough to indicate them. The bishop's reply to this communication is said to have been a note which ran about thus: "Dear -: Turn it all on."

CHOWCHOW.

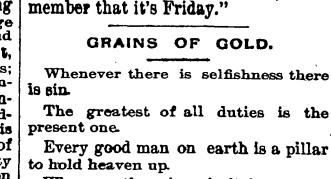
A school for spinning has been opened in London.

Europe reports 70,000,000 people wearing wooden shoes.

The Mexican government has adopted measures to retire the big copper cents from circulation. A little borax put in water in which scarlet napkins and red bordered towels are to be washed will prevent them from fading.

A pet dog, it is said, recently died at Elkton, Ky., from licking its mistress' cheek. She painted, and the





Admits Men and Women on equal terms. Insures its members for \$250, \$500, \$1,000,\$2,000. Pays \$5 a week in case of sickness. Special Rates to Charter Members. For circulars, etc., write to THOS. H. O'NEILL, 33 Wall St., Auburn, N. Y.	handling. Sulphur for Finishing. Few persons outside of manufactur- ing circles are aware of the important	Mrs. Besant was asked for a short and understanding definition of theo- sophy, and this is her answer: "It is hard to cram a science into a sentence; but the root idea of theosophy is that the material world we live in is the outcome—an expression of will and thought, and may be modified by their exercise, just so far as mind and thought are developed. The universe is the exercise of universal will and mind, and man's mind being identical with that in its essence is capable of developing power, and, in fact, has done it to some extent."	If you want to keep out of darkness, never let the sun go down on your wrath.' The man who thinks that his sin will never find him out makes a great mistake. We should not make our profession of religion a receipt in full for all other obligations. There are people who think their neighbors houses need painting be- cause they neglect to wash their own	as bread boards, chopping knives, etc., they should never be dried by the fire,	WE TELL YOU nothing new when we state that it pays to engage in a permanent, most healthy and pleasant busi- ness, that returns a profit for every day's work. Such is the business we, offer the working class. We teach them how to make money rapidly, and guarantee every one who follows our instructions it that the making of \$300.09 a month. Every one who takes hold now and works will surely and speedily increase their earnings; there can be no question about it; others now at work are doing it, and you, reader, can do the same. This is the best paying business that you have ever had the chance to secure. You will make a grave mistake if you fail to give it a trial at once. If you grasp the situation, and act quickly, you
RIPANS TABULES regulate the stomach, liver and bowels, and purify the blood; arc safe and effec- tual; the best medicine known for indigestion, bliousness, headeche, constipation, dyspepsia, chronic liver troubles, dysentery; bad com- plexing, dissiness, off site breach, and all disorders of the stomach, and all on receipt of Hogens. A provide a store the stomach of the stomach, and all on receipt of Hogens. A provide a store the store of the stomach, and all on receipt of Hogens. A provide a store the store of the stomach, and all on receipt of Hogens.	by means of the scouring process; this done, the cloth is in readiness for "sulphuring," which is effected by in- troducing the fabric into a perfectly air-tight chamber, and subjecting it to the strong tumes of burning sulphur, the latter being commonly placed in an iron pan and ignited by dropping a block of red-hot iron in its midst. The	He Was Sorry. Housekeeper—This is the twentieth time to-day that I've had to come to the door to tell peddlers that I did not want anything. Peddler—Very sorry, mum! Housekeeper—It's some comfort to mow that yon are sorry, anyhow. Peddler—Yes, mum. I'm very sorry	Putting your enemy in the wrong in the sight of men is the worst kind of defeat, against which neither individ- ual nor nation can long persist. It is hard for a man to bear his own good luck, it is harder still for his friends to bear it for him, and but a few of them ordinarily can stand that	John D. Mann was killed by a fall- ing rock in Dorchester, Mass., and his brother James, who came from Frank- lin to Hyde park to arrange for the funeral, was himself killed at the rail- way station by a passing train. Six	will directly find yourself in a most prosperous business, at which you can surely make and more large sums of money. The results of only a few hours' work will often equal a week's wages. Whether you are old or young, man or woman, it makes no difference, — do as we tell you, and suc- cess will meet you at the very start. Neither experience or capital necessary. Those who work for us are rewarded. Why not write to-day for full particulars, free? E. C. ALLEN & CO., Box No. 420, Augusta, Me

North Date