

MILLIONS OF CLAY PIPES

They Are Made in an Old Shed in a Suburb of New York.

HAS A MONOPOLY OF THE BUSINESS

Primitive Methods Still Employed Because No Inventive Genius Has Devised a Machine for Their Manufacture.

The humble white clay pipe is attracting attention because of the attempt of the American manufacturers to secure legislation...

The time actually consumed by an expert workman in molding a pipe is about seven seconds; it will, however, require fully a minute's work to complete a pipe—600 pipes being considered a fair day's work.



EXTERIOR AND INTERIOR OF CLAY PIPE FACTORY.

their own wants in the way of pipes, and some very early attempts at clay pipe making were recorded. The aboriginal pipe was burned in an open fireplace, and, of course, had the chaste appearance of the white man's "clays," which are burned in sealed crucibles in a kiln similar to an ordinary pottery kiln.

The art of making clay pipes has experienced little or no change in centuries. The pipes are still—as they were of old—produced almost entirely by hand.

The New Jersey clay pipe is used in the manufacture of white pipes of such a size as to be used for the "millions" or "puggins" which reduce it to a plastic state—is required. Having been "milled," the clay is next cut into pieces of sufficient bulk to be rolled on a lathe.

Taking one of the rolls in his left hand, the pipe maker inserts a wire—which he holds in his right hand—into the end of the embryo stem, and carefully threads the clay over the wire until the point nearly approaches the knob.

The "finishing" consists in the case of the common sort of pipe, in merely removing the little "spurs" from the seams of the mold in a straight line, and filling up slight defects. In the finer grades of white clays all the accessible parts are gone over with an agate or glass tool.

The "seggars," before being placed in the kiln, are hermetically sealed; the kiln will probably contain about seventy or eighty seggars, so a day's baking will perhaps result in about 15,000 pipes ready for the market.

The "seggars" are simply circular boxes made of burned clay, and resemble the ordinary old-style cheese boxes.

The "seggars" are placed in the kiln, and the burning process by which the pipes are fired is closed on the outer surface of the pipe, and a hard glassy appearance is produced.

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out a mass of pipe clay upon a board until a thin sheet resembling a "flap jack" is formed; a second boy stamps out the birds with a cutter such as is used by a house painter to cut out fancy window glass.

The clay employed in the manufacture of white clays is, in its natural state, of a slate color, and may be depended upon to come from the kiln snowy white; with the red clays there is less of a certainty that the hue will be the one required.

The Bachelor Girls' association, which is organized in Chicago, is holding a convention in Indiana, pledging its members by solemn oath not to marry until they are 25 years old.

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TRUMPION OF THE INTELLECT

Supremacy of Brain Over Muscle in the Animal World.

QUEER ANCESTORS OF SOME COMMON BIRDS

The Greatest Brain Weight Possessed by the Japanese—Will They Become the Dominant Race of the Future?

Prof. O. C. Marsh of the United States Geological Survey and Yale University has recently concluded a series of comparisons between the brains of fossil and modern animals, which give a new turn to the theory of the "survival of the fittest."

The investigations of Prof. Marsh are accorded their true scientific weight; they will show that the struggle for existence among prehistoric beasts, birds and reptiles has really been a battle of brains.

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Crushing Crowds Again This Week

We expected a crowd every day this past week and I were not disappointed, but did not think we would be so jammed every day. There's a cause for this, you know. We invite you to come early this week. WE CAN'T KEEP A STRING ON GOODS SOLD AT HALF THEIR REAL VALUE.

55 rolls All Wool Ingrain Carpets, worth 75c, this week—39c

40 rolls Rag Carpet, worth anywhere from 75c to \$1.00, this week—19c

15 rolls Star Carpet, very pretty indeed, regular 50 cents, this week—24c

50 rolls beautiful Matting, nothing as nice for summer, the 50c and 75c simply because, as a class, they possess the greatest brain weight of any people in the world.

100 yards of fine heavy Linoleum that is worth about 50c, we offer this week at—45c

500 Door Mats, worth \$1, this week—45c

Carpet Sweepers, broom action, worth \$3, for this week—1.48

Beautiful Parlor Suits, 5 pieces, upholstered in the latest, oak, mahogany, finish frame—19.25

Upholstered Easy Chair, good value at \$10.00, this week—4.90

Tufted Couches, assorted colors and coverings, well worth \$30—14.50

Parlor Center Tables—large top, worth \$20.00—98c

This week only—Plush Arm Chair, high class goods, worth \$14.00, but our price, this week—6.75

50 rolls Velvet Carpet, pretty patterns, anywhere else \$1.50, this week—89c

150 rolls Brussels Carpet, regular price 50 cents, this week—49c

Baby Carriages

We are sole agents for the famous "BUCKEYE" Baby Carriages. For the best quality, write to the Buggy, worth \$12.00, for only—4.95

Gasoline Stoves

We are also sole agents for the well known "QUICK MEAL" Gasoline Stoves, and have them in every conceivable size. Write to the Buggy, worth \$12.00, for only—3.75

Refrigerators

If you need a Refrigerator here is your chance. A solid oak refrigerator, like cut, has 5 shelves of asbestos, charcoal, and light looks and other equally valuable features. The regular \$12.50, but we offer this week for only—\$5.95

Ice Chest

Here is another big bargain. Like cut, worth \$6.50, goes this week for only—\$2.98

Busy Basement

12-piece Dinner Set, flow blue pattern, made of the finest china, worth every cent of \$20.00, this week—11.50

ICE CREAM FREEZER

The \$10.00 kind, this week for—\$1.75

Wash Tub

well made, this week—45c

Wringer

Made of pure white rubber worth \$3.50, this week—\$1.75

BRAIN OF ANCIENT AND MODERN TAPIR

In a general way, the truth has long been known, but it is only recently that the attention of the most casual observer among naturalists that lower forms of life have smaller brains than higher forms.

OUT OF THE ORDINARY

A Moscow bell weighs 423,000 pounds. Gas is 75 cents per 1,000 at Whiting. Bank of England has 11,000 employees.

JACK'S LETTER TO BOB

Dear Bob: I am going to be married. But before I do, I want to tell you about something which weighs on my conscience.

FRENCH CLAYS

About thirty years ago white clays, made in France, were introduced into this country. The molds from which these pipes were made are no longer used, but the clays themselves are still being used.

THE DOOM OF BRAIN

And this particular case merely epitomizes a record that has been repeated over and over millions of times during the process of animal evolution. Indeed, Prof. Marsh has found, after studying a large collection of skulls of different periods, that the species of animal which was in the ascendancy in any geological period, and transmitted its traits to a persistent and developing line of creatures, was that which had the largest brain.

REPTILES DOOMED

And, indeed, that fate befell the entire race of gigantic reptiles. Their spinal cords served them a very good purpose so long as they had to contend with one another; but presently mammals appeared and spinal cords were at a discount.

BRAIN OF ANCIENT AND MODERN DIVING BIRD

And he could do this simply because by this time his central nervous system, which is as a storage battery recording impressions from the outside world, had been aggregated into a massive cerebrum or forebrain, which connected and harmonized all the various impressions, performing for the human organism somewhat the same function that a central telephone station performs for all the myriad detached wires in a great city.

POSTSCRIPT

Well, it's done. Bob, and—would you believe it!—he knows all about that affair.

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Advertisement for People's Furniture & Carpet Co. with logo and address 1313-1315-1317 FARNAM ST.

has since existed on the globe—no less than in length, and perhaps twenty in height. The thigh bone of one of them was about eight feet in length, and perhaps two feet in diameter, while the corresponding bone of the largest reptile of today, the crocodile, is about eight inches long.

Of course, the creature that carried such a load of bone had to be a very much larger animal than the reptile of today, and he developed, but what about his brain? There was the rub. Of brains he had, so to speak, a mere thumbnail. The modern reptile has none left, but the corresponding part of the nervous mechanism which enables a frog to crawl after its brain has been removed, and a snake to wriggle when its head has been cut off. Indeed, one of the strange reptiles which Prof. Marsh discovered recently has a cavity at the posterior end of the spinal canal very much larger than that of any other reptile.

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