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

HAS A MONOPOLY OF THE BUSINESS

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

The humble white clay pipe is attracting attention because of the attempt of the goods. The only clay pipe factory of note in this country is a one-story affair with a single klin, iccated up a side alley in a New York suburb, hence the special need of government log-rolling may not strike the averernment log-rolling may not strike the average person very forcibly. Yet, as over 500,-000 pipes are annually made in the little shed and make it a means of support for many thousands. As it now exists in New York it

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 bousewife in making fancy cookies. This class of labor acquaints the boys with the nature of the clay and fits them for the more important work in store for them. The fittle flat birds are stacked in the kiin within the space between the seggars and are burned with the tween the seggars and are burned with the

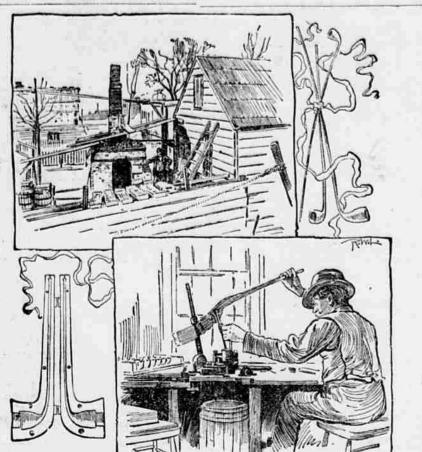
pipes.
The clay employed in the manufacture of The clay employed in the manufacture of the royal navy, was married recently in white clays is, in its natural state, of a slate color, and may be depended upon to come from the kiln snowy white; with the red clays there is less of a certainty that the hue will be the one required. Some clays originally red have only a pinkish that when fired. The carry, editor of the Hawthorne Bulletin, officiated at a marriage recently, and constructed clays derive, their color from the solution. red clays derive their color from the solution officiated a red clays derive their color from the solution of iron contained in them and are not always of a uniform character. Strange to say the black clay pipes, which one occasionally sees, are made from the same material as the white Attention because of the attempt of the pipes; the inky hus is produced by partly American manufacturers to secure legislation filling the seggars with oak sawdust or the regulating the importation of European made dust of bituminous coal, and placing these

Coke, obtained from the gas bouses, is the fuel used to heat the kilns and the burning Bertha Howell, the 17-year-old daughter of M. V. Howell of Leoda, Ind., and Lewis Richie, a farmer, living near Leoda, eloped process lasts throughout the day—unless, in-deed, there is a demand for immediate deand as many millions are imported, it will be seen that the industry is not such a small one after all. The contention is that a revised tariff would broaden and extend it clay and give the pipe sufficient stability.

The contention is that a revised tariff would broaden and extend it clay and give the pipe sufficient stability. reached Squire Peter's house just a few minutes after the couple had been pro-

A PIPE A MINUTE. thousands. As it now exists in New York it is perhaps the most picturesque of the still surviving ancient trade.

The making of clay pipes was an aboriginal industry in this country, and many really artistic specimens made by the Indians are preserved in our museums and in private collections. The colonist, too, finding the proper material at hand, took to supplying the proper material at hand, took to supply the proper material at h



EXTERIOR AND INTERIOR OF CLAY PIPE FACTORY.

their own wants in the way of pipes, and employed and they receive from \$6 to \$6.50 a

nificant duty of about two cents a gross, the American makers have of late been able to keep up only because of the low price of labor which during the recent depression has, in a return to previously existing conditions. degree, approached the European scale, Made from material which costs next to nothing, the clay pipes owe their value almost enthe clay pipes owe their value amost their tirely to the labor expended upon them; and when the many handlings are considered it it is remarkable that "clays" can be made at a profit in view of the low price placed upon them. Fully a dozen handlings are required to fashion a pipe from the mass of clay after it has been properly prepared and delivered to the bench. Experience and judgment on the part of him who prepares the clay and a certain definess on the part of the artisan who forms the finished product are the qualities requisite in the pipemaker's staff.

MADE B The art of making clay pipes has ex perienced little or no change in centuries. The pipes are still—as they were of old— produced almost entirely by hand. A press produced almost entirely by hand. A press is now used to squeeze the molds, but even this appliance is operated by hand. For- of the French makers, their designs may merly a screw clamp was employed directly run into the thousands. Of course, a pipe merty a screw clamp was employed directly run into the thousands. Of course, a upon the molds, but a lever press has the maker will not have all his molds in

advantage of speed.

The New Jersey clay which is used in the manufacture of white pipes is of such a fineness that no preparation, other than the designs in pipes are produced for certain 'milling' or 'nunging' which can be such a designs in pipes are produced for certain "milling" or "pugging"-which reduces it to having a demand for them. All nationalities a plastic state—is required. Having been differ in their ideas as to just how a pipe "milled," the clay is next cut into pieces of should be formed, and it has even been suggested that trades may have their preferare then rolled out beneath the palm upon a ences. There may be a field here for the table until a tail is drawn out and a knob! left at the end; these pieces are then known as "rolls," and are piled in heaps of a dozen each, resembling bunches of radishes. The "rolls" are next placed upon boards and left in the sun to dry. When thoroughly dried the "rolls" are soaked in water until a certain temper is obtained; in this condition they are placed upon the beach and within con venient reach of the operator who is seated

by his press. 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 draws the clay over the wire until the point nearly approaches the knob. The whole is then placed between the castiron molds and slid into the press at the workman's left. The press itself is a rather crude affair, having two motions—one lateral, the other vertical The lateral movement squeezes the molds together; the motion from above forces a plug into the open space in the mold, where the bowl is to be formed; by this combined movement the cavity in the bowl is formed and the clay made to fill all parts of the mold. The wire is forced home against the plug within the bowl, the lever released and the molds withdrawn from the press; both the wire and molds having been previously well lub-leated with oil, the parts are easily removed from the clay, and the pipe in this stage is subjected to a sundrying, after which the clay is again soaked to prepare

pipe for the handling necessary to h" it for the kiln.

THE FINISHING PROCESS. The "finishing" cone is—in the case of the common sort of r —in merely removing the little "spurs" bout the seams of the molds, in straighte. ing it if a curve is desired, and filling up slight defects. In the finer grades of white slight detects. In the aner grades of white clays all the accessible parts are gone over with an agate, or glass, tool; this is a sort of burnishing precess by which the pores of the clay are closed on the outer surface of the pipe, and a hard and glassy appearance is produced. When they are thoroughly dried the pipe, are the pipe are thoroughly dried. pipes are then placed in "seggars," ich are made to contain about 200 pipes "seggars" are simply circular boxes made of burned clay, and resemble the

so long as the "weed" has improvident devotces. Selling at I cent apiece, the "T D" has not as yet reached the limit of cheapness. They might, by the ingenuity of the professional advertiser, be made to "puff" the ordinary old-style cheese boxes. The "seggars," before being placed in the particular brand of smoking in, are hermetically sealed; the kim will which they are given away. probably contain about seventy or eighty seggars, so a day's baking will perhaps result in about 15,000 pipes ready for the market. Aside from national tastes in designs, there seems to be in this country a prejudice against American-made pipes. In the man-Some few of the pipes are slightly damaged, both in the firing and during the subsequent handling preparatory to shipping. Those that have yet an appearance of being nearly whole or merely warped are sold to the shooting galleries, where they are made to serve as targets for ambitious marksmen.

The pipemaker apprentices are first put to work upon clay birds, which also serve as targets in the galleries. One boy will beat

Therefore and somewhat tougher than the American-made pipes. In the manner suggested above, the user of pipes may be catered to, but even the importation of English clay by American pipe makers has not satisfied the dealers. As a matter of firmness and somewhat tougher than the American-made pipes. In the manner suggested above, the user of pipes may be catered to, but even the importation of English clay by American pipe makers has not satisfied the dealers. As a matter of firmness and somewhat tougher than the American-made goods. Yet the ideal clay pipe is a soft pipe, as the majority of smokers will probably be willing to testify. A French clay bowl, with an egg-shell finish Some few of the pipes are slightly damaged, both in the firing and during the subsequent

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

Vast numbers of white clay pipes are annually sold here by the agents of the various European establishments and, with the insignificant duty of about two centra gross, the men make about \$9 a week, their grows \$6.50 a week. The Scotch workmen receive 17½ cents a gross for making pipes and they are sold here at wholesale in cases of three gross each for \$1.36; this includes all charges for duty, shipping and commission. Pipes are made in Canada by girls, who receive 13 cents per gross; the same rate of wages is paid by the pipemakers of Germany, where children are largely employed. In France good workmen receive from \$3 to \$3.50 a week. In America men make about \$9 a week, being paid at the return to previously existing conditious. Under the old McKinley bill there was a specific duty on pipes of 15 cents a gross. The Wilson bill reduced this to an ad valorem duty, which, after all, amounts to about 2 cents on the gross, a provision of benefit only

class of pipe has been in use for many years, certainly for more than one generation.

A person making a study of white clay

will be amazed at the variety of designs

produced. Every maker has at least a hun

ences. There may be a field here for the ethnologist; there certainly is scope for the

prefers his "cutty," while the son of th

student of human nature. The Scotchman

green isle is universally shown with his

"dudeen;" both pipes are made of the same clay, and burned together in the same kiln

tioned above convinced the writer that all

"thistio" pipes are not made in Scotland; neither are all the specimens of "Dublin

FRENCH CLAYS.

About thirty years ago white clays, made in fancy designs, some of a very pronounced and "Frenchy" character, were in every one's

mouth in this country. The molds from which these pipes were made are no longer

in existence, and the pipes themselves bring a good price from collectors. Specimens are

occasionally found, laid away on a high beam

in some old tavern or outhouse, or are recovered from between the walls of dwellings

where they have been thrust through holes in the plaster by infants, to whom they had

been given for the purpose of making soap-bubbles. The delight which very young chil-

dren experience in thus disposing of their playthings, including coins, has served to

enrich the collection of many an antiquarian

Speaking seriously of French clays, suc as are now on sale, they are "works of art,

both in regard to the designs and the per fection of finish. It is said that the French makers use a variety of substances, among

which is marble dust, to give "body" to their pipe clay. First-class artists are employed to design the pipes, and regular die-sinkers make the molds. In the case of some of the elaborate designs the mold is made in

three or four, and sometimes even five, parts, where there are "undercuts" in a figure which would not otherwise clear. Such pipes

are sold here for 5 cents, and they are worth it to any one, even though he be not a lover

The perfect "clay" is, of course, the long "churchwarden," which, however, is not adapted to general use. The ordinary "T. D." will probably hold its own so long as

D." will probably hold its out or at least the practice of smoking exists; or at least the practice of smoking exists; or at least

particular brand of smoking tobacco with

of the "weed.

A visit to the New York pipe factory

pipes" made in Dublin.

in the red-hot grease. The egg no sooner touched the boiling lard than a loud explosion occurred and the young woman was literally covered with the flying lard. to the jobber, since clay pipes are still sold for 1 cent each. The proposed clause in the still pending Dingley bill will bring the The following are the commonest nam in New York, according to the New York City directory for 1897, from which they are selected: Smith, 3,183; Brown, 1,562; Miller, duty up again to the specified 15 cents a gross, which will in a measure protect Ameri-1.495; Murphy, 1.210; Meyer, 1.103; Johnson 1.086; Kelly, 1.674; Cohen, 1.006; Levy, 961 can workmen. The most familiar form of clay pipe see here is a plain specimen known as a "T. D., Williams, 893; Jones, 892; Murray, 884; Wilson, 883; Clark, 848; Sullivan, 820; Marso called from the letters T. D. stamped of molded upon the back of the bowl. Thi

tin, 816; White, 782; Davis, 762; O'Brien, 760; Ryan, 752; Moore, 752. Hardham's tobacco shop in Fleet street, ear Ludgate circus, London, is to be torn own after nearly a century and a half's exstence on the same spot. The fortune of the was made by Garrick, who, to help along the proprietor, a former actor, praised on the stage his "No. 87" snuff. The shop became fashionable and Hardham left \$110,-

000 to charity at his death in 1772. A report of a queer lawsuit comes from Eastkill, a hamlet in the heart of the Catskill mountains. The plaintiff is Ole Halverson, a Swede, who cultivates a small farm on the mountain side. He is suing Rev. J. G. Remerton, a German Lutheran minister, for damages for christening his baby by a nr ne which was not to his liking. Halverson is a patriotic Swede and wanted the child named after King Oscar. The minister claims that he christened the baby according to the wishes

JACK'S LETTER TO BOB.

The Lotus. Dear Bob: I am going to be married. But before saying more I must write About something which weighs on my Of course, you remember that night, In the Carnival season at Venice, When we trained through the dampest o

With that party of jolly Venetians That at first we mistook for the Browns

How, after the ball, I was married,
In joke to an angel in black—
To that shostly and dark-haired marchesa.
That madcap queen of the pack?
Her mask simply heightened the romance,
And the joke seemed immense, till I knew
That that rascally priest was a real one,
Which made me uncommonly blue.

For they said that the marriage was legal, And things took a serious shape. Till you got up a duel and killed me. To get me out of the scrape. And I took the next steamer for Naples, And left my fair widow to fate— It's queer how her eyes come and haunt me, Whenever I'm thinking of Kate.

I could kick myself well, when I think that
I played such an asinine role.
And I pray that you'll bury the secret
Deep down in your innermost soul,
For my Kate would make things rather
lively
For me, if she gar found on.

For me, if she ever found out, And now I will tell in what manner Our little affair came about.

We met on the steamer from Naples, Whence I sailed, as you know, for th And at table kind fortune had placed me
In the chair which was opposite Kate's.
She's a friend of the Browns, Bob, a beauty
With manners both arch and demure;
And she's tall, and her eyes if you saw Would remind you of Venice, I'm sure.

In the nook just back of the wheel-house We talked of things joyous and grave. Saw the waters grow dark in the twilight And the moon's silver bridge cross th

wave.
The rest is the usual story,
Which no one knows better than you.
We'll be married tonight, and I'll pause And write you some more when we're

POSTSCRIPT.

Well, it's done Bob, and-would you be She knows all about that affair,
And that was the Browns' party-great
Caesar!
They did us up brown, I declare!
And I love her the more (but this follows,
Of course, when such cases arise),
For I've married-just think-my own

Je-rusalem! Yours, JACK VANSIZE

QUEER ANCESTORS OF SOME COMMON BIRDS

London's fire chief, who is a commander in

the royal navy, was married recently in style-a procession of 100 firemen in full

officiated at a marriage recently, and con-cluded: "I now pronounce you husband

and wife. Shake hands. Take your cor-ners. May the best man win and the Lord have mercy on the loser. Sall in."

The Bachelor Girls' association, which is

organized in Michigan and is organizing in Indiana, pledges its members by solemn oath

enable them to marry after they are 25.

legen that her husband imprisoned her for two days in a dark closet without food in an

endeavor to force her to deed him an in-

The culmination of a romance was reached in Pittsburg, last week when James R.

Hopper and Miss Florence Cochran were wedded at the office of Alderman David Me-Kelvey. The couple live in Fort Wayne, Ind., and the young lady is the daughter of a wealthy iron man. Mr. Hopper is a young

railroad employe, and the beginning of the young people's acquaintance was when Mr.

Hopper saved Miss Cochran from death at a railroad wreck on the Lake Shore and Michi-

Society circles of Milwaukee, Chicago and St. Louis are just now deeply interested in the announcement of an engagement be-tween Colonel Gustav G. Pabst of Milwaukee

and Miss Hilds Lemp of St. Louis. In the two cities named it is almost the sole topic of conversation among society folk and in Chicago, where the families of the contract-

ing parties have many friends. A few years ago Colonel Pabst was married to Margaret

Mather, the celebrated actress, but the union uncongenial and the couple were

OUT OF THE ORDINARY.

Two ounces of attar of roses represent

It is stated that every year the railway servants of Britain get no less than \$1,500,000

In Marion county, Tennessee, a farmer driving a cow stopped to throw a stone at it and was seized with a pain at his heart

just as he drew back to throw. He fell over and died within a minute.

According to Pliny, Lollia Paulina, the

the refined product of a ton of resebuds.

in tips from the public,

or out of windows.

A Moscow bell weighs 423,000 pounds,

Gas is 75 cents per 1,000 at Wheeling.

Bank of England has 11,000 employes. Emperor William's household employs 500

divorced.

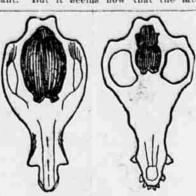
gan Southern railroad two years ago.

terest in her elegant farm.

The Greatest Brain Weight Possessed by the Japanese_Will They Become the Dominant Race of the Puture?

(Copyright, 1897, by the S. S. McClure Co.) Prof. O. C. Marsh of the United States geological survey and Yale university has recently concluded a series of comparisons benot to marry until they are 25 years old. It is easy enough for a girl not to marry untween the brains of fossil and modern animals, which give a new turn to the theory til she is 25 without the aid of an oath-bound organization. The sort of organization that many girls are looking for is one that will of the "survivel of the fittest." When 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. It has been suggested that these researches involve the question of the future dominating race of the world, and select as candidates for the coming honor a class of people from a totally unexpected quarter. No less a race than the Japanese are said to be the coming dominators of man, and this simply because, as a class, they possess the greatest brain weight of any people in the world.

It has always been a popular notion that when that old phrase relative to the "weakest going to the wall" was uttered that lack of brawn, and not lack of brain, was meant. But it seems now that the latter



BRAIN OF ANCIENT AND MODERN

conception of the phrase would have more aptly fitted geological conditions.

In a general way, the truth has long been known, for, of course, it could not escape the attention of the most casual observer among naturalists that lower forms of life have smaller brains than higher forms, man having proportionately the largest brain of all. But the full significance of this fact was never understood by naturalists until a com-parison was made between the brains of living animals and the casts of brains of fossil species. Of course, the actual brains of fossil species cannot be studied, as they went the way of all flesh some hundreds of thousands or even millions of years ago; but the bony brain cases (that is, the ckulls) have in many cases been preserved, and for this purposes these answer equally well. It remained for Prof. Marsh to develop the force of the theory by the systematic study which he made of the brains of the isali creatures he had unearthed in Rocky mountain region. Almost from the first he was struck with the difference between these brains and those of living animals of related species; and very soon he was able to formulate as a The railway companies of Great Britain carried 930,000,000 passengers in 1895, of whom 386 were killed. During the same year, in the city of London alone, 586 persons were killed by falling from buildings or out of windows. pared with a rhinoceros of today of equal bulk, it would be found that the ancient beast had a much smaller brain than its

wife of Caligula, wore on her hands, arms, neck, head and waist pearls and diamonds to the value of \$1,680,000. Faustina had a BRAINS OF THE MAMMALS. ring worth \$200,000, Domitia possessed one But this was not all. The "age of mamworth \$390,000, and Caesonia had a bracelet mais" was a very long period, extending over worth \$400,000, and Caesonia had a bracelet worth \$400,000, and Ca pared the fossils from the earlier of these periods with those from the later, that there appeared a difference in the average size of brain. During this time many species of animals had died out and their places had been taken by new species, and on an average the new species always had larger brains than their predecessors. This certainly was interesting. It suggested that something more than mere "brute strength" had entered into the struggle for existence among these

animals, and had helped determine which ones should go to the wall, and which be perpetuated. Here, for instance, was a great beast called dinceras, which roamed abundantly over the plateaus of western America 2,000,000 or 3,000,000 years ago. He was a massive creature, almost as large as an elephant, and relature, almost as large as an explaint, and in general appearance something like a rhinoceros. For a long time his tribe flourished, and, by mere force of bulk, dominated the animal world. But it chanced that the huge creature, while abundantly supplied with brawn, had the very smallest brain, proportionately, of any known animal, ancient or modern. His body kept growing and de-

eloping, but his brain did not keep pace with it. What was the result? Presentl developed other animals of similar less in bulk, but with larger brains, and these relatively brainy creatures, having just a jot more wit than the dinoceras, finally were able to adapt themselves to changing climatic conditions, to migrate, perhaps, or to roam widely in search of fresh pastures; while the dull dinoceras did not know enough to change his habits, and so his tribe perished altogether, leaving no descendants whatever. In the final turning of the scale an ounce of brain matter in a smaller animal outweighed he tons of bone and muscle with which the

dinoceras was cumbered. THE DOOM OF BRAWN.

And this particular case merely epitomize 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 descendants, was always one that had a brain larger than the brains of contemporary species. On the other hand, wherever reature was found like the dinoceras, with brain smaller than the average of its conimporaries, that species was doomed to anninilation. The whole struggle for existence mong mammals, then has been very largely a battle of brains. Brawn might win for a time, but in the long run the little beast with a big brain annihilated the big beast with a little brain. No doubt the mighty finoceras looked with utter contempt, if his dull brain was equal to such an emotion, upon the little for like creature which was the horse of that period. But the little like creature had a ready and plastic brain. and so after the last descendant of dinoceras had perished the descendants of the little fellow remained as the big-brained, intelligent, modern horse. One of the illustrations here given shows the brains of dinoceras and the horse drawn to the same scale. Without that larger nugget of nervous matter in his skull the horse never would have won the battle and come to be what he is. Having found this law to hold everywhere among mammals. Prof. Marsh was interested

to ascertain whether it applied equally to other classes of vertebrates. In the age that preceded the tertiary there were strange birds inhabiting the lakes of western America, which have left their skeletons America, which have left their skeletons in the muddy lake bottoms, since turned to rock. One of these birds, which Marsh named hesperornis, was like a gigantic loon. What manner of brain had this bird as com-pared with the modern loon? The briefest comparison sufficed to answer that question. The ancient bird had a brain not one-fourth as large, proportionately, as that of the bird of a later period. Other birds told the same story, and it became clear that brains had fought the battle of existence for feathered

well as furred creatures.

Crushing Crowds Again This Week

We expected a crowd every day the past were and 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.

CARPET BARGAINS

special	
40 rolls Rag Carpet, worth anywhere 50 cents, this week only	
75 rolls Stair Carpet, very pretty indeed, regular 50 cents, this week. 24c	
this week	
Remnants of Matting, worth on the roll 35c, price per yard in remnants	
3-ply Ingrains, lovely patterns, very heavy, worth Ale, now only	
75 rolls Velvet Carpet, pretty patterns, anywhere else \$1.25, here this week	
150 rolls Brussels Carpet, regular price 90 cents, this week 490	
Oil Cloth-Heavy goods and well worth 40c, special this 19C	
1,000 yards of fine heavy Linoleum that is worth about 85c, we offer this week at	
this week	
Carpet Swepers, broom action, worth \$3, for 1.48	
Chenille Rugs, assorted colors, worth 50 cents, this week	
500 Jute Rugs, large in size, worth 75c, this week 25c	
Misfit Ingrain Carpets, worth \$10.00, on sale this week. 4.90	
Misfit Brussels Carpet, worth \$16, this week 7.50	
Art Squares, the patterns are bauties,	

Fur Rugs worth regular \$7.50, this week.....

	Uraperies
	Nottingham Lace Curtains, the \$2 kind 98C
	Irish Point Lace Curtains, bought to acil for \$5.50, this week 2.65
	Slik Curtains \$8.50 values, this week only 2.99
	Chenille Curtains-Others get for the sume \$7.50, we offer them this week for
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
,	Silkaline, w rth per yard regular \$1, now only 49c
200	Rope Portier for double doors, worth \$1.30, our price this week

Parlor **Furniture**

39c	Beautiful Parior Suits, 5 pieces, up holstered in silk tapestry, oak or ma- horany, finish frame
h anywhere	hogany finish frame worth \$40, this week 19,25
19c	Conversation Chairs, pret- ty (es gns, worth 22, now 9.98
pretty in-	Uphoistered Easy Chair, good value at \$10.00, this week. 4.90
13c	Tufted Couches, assorted colors and coverings, well worth \$30 14.50 special this week
orth on the	Parlor Center Tables- large top, worth \$2.50, 980
tterns, very	This week only—Plush Arm Chairs high class goods, worth 14. 6.75 but our price this week
tty patterns, 89c	
egular price	Furniture
49c	ruimiuit
19c	Reed Rocker, very pret- ty, worth \$1.75 for 980
45c	Onyx top Brass Tables, worth \$10, this week 4.50
45c	White Enamel Iron Bed, brass trimmings, worth \$7.50, 3.45
1.48	Pictures, very pretty subjects, worth

148

	week
Draperies	Wall Poe \$1.25, this week
	Clock Sh 75 cents, week
ottingham Lace Cur- dns, the \$2 kind	Hat Rack
ish Point Lace Curtains, bought to il for \$5.50, this week ily	Lawn Se \$2.50, this week
ik Curtains \$8.50 val- es, this week only 2.99	Lawn Ro \$4.50, this
mentile Curtains-Others get for the me \$7.50, we offer them is week for	Roll Top solid oak, week
apestry Curtains, worth \$8.00 extra ectal for this eek	Chiffonier worth \$12 week
kaline, w rih per yard 49c	Screens,
ope Portier for double doors, worth 30, our price this 2.98	Solid Oal bevel pla

Furniture	72.37
Reed Rocker, very pret- ty, worth \$1.75 for	98c
Onyx top Brass Tables, worth \$10, this week	4.50
White Enamel Iron Bed, bra mings, worth \$7.50, for	U.7U
Pictures, very pretty subject \$1.50, this week	1.25
Extension Tables, finely worth \$9.50, this week	4 75
Solid oak, cane seat Chair, his worth 1.25, this week	68c
Book Cases, good size, worth \$10, this week	4.75
China Closets, solid oak, worth \$25, this week	14 50
Woven Wire Springs that alv for \$2.60, tals week	75c
Medicine Cabinets, very roomy \$3.50, this	1.48
Wall Pockets, extremely pretty \$1.25, this week	48c
Clock Shelves, antique finish 75 cents, this week	350
Hat Racks, worth 25c,	12c
Lawn Settees, very well made \$2.50, this week	1.24
Lawn Rockers, very well made \$4.50, this week	2.25
Chiffonieres, antique oak, very worth \$12.50 special th's week	5 90
Screens, worth \$3.50,	1.48
Solid Oak B.d Room Suit, 3 bevel plate mirror, worth	14.50

Baby Carriages

We are sole agents for the famous "HEYWOOD" Baby Carriages. For this week we offer a very fine Heywood Buggy, worth \$12.50, for 4.95

Gasoline Stoves

toves, and have them in every con-civable style. We offer for this week guaranteed "QUICK MEAL" Gaso-ne Stove worth \$7.50 3.75



ther equally ood features

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convenience has since existed on the globe-no less than of the period, and so its destiny was sure; gressed and enabled one race after another 100 feet in length, and perhaps twenty in height. The thigh bone of one of them was yet that brain was only half the size of that of modern man. about eight feet in length, and perhaps two feet in diameter, while the corresponding bone of the largest reptile of today, the BRAIN DEVELOPMENT IN MAN. crocodile, is about eight inches long, course, the creature that carried such bone must have been a very mountain of flesh. But what about his brain? There was the rub. Of brains he had, so to speak, a mere thimbleful. The modern reptile has none too full a supply; but as compared with these ancient reptiles he is an intellect ual giant. The ancient reptile depended largely upon his spinal cord—that part or the nervous mechanism which enables frog to crawl after its brain has been r moved, and a snake to wriggle when its head has been cut off. Indeed, one of the strange reptiles which Prof. Marsh discov-

speedily when some better-brained com-petitors came into competition with it. 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 chiefly to compete with one another; but presently mammals appeared and spinal cords were at a discount. tiles still persist to this day, it is true, but they are vastly more intelligent creatures than their ancestors, and, even so, are but a mere handful as compared with the former legions of their tribe. As a race, the rep-tiles were doomed from the day when ter-restrial creatures having better brains than restrial creatures having better brains than theirs came to compete with them. And then, as we have seen, the early mammals whose brains were better than those of reptiles were in turn displaced by later mammals having a still better supply of cranial ganglia. And at last man came, with the best brain of all, and then it was only a matter of time until all the creatures that remained on the globe should be suborremained on the globe should be subor-dinated to this new conqueror. The tooth of the lion, the tusk of the elephant the fluke of the whale were all equally unavailing against weapons that the big brain man enabled him to fashion. The age giant reptiles was succeeded by an age of giant mammals; and that in turn by the age of a single smallish mammal called man, whose sole natural advantage was that he

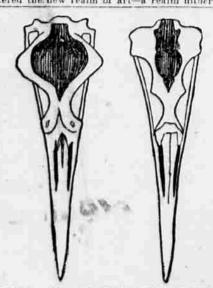
ered recently has a cavity at the posterior

ered recently has a cavity at the posterior end of the spinal canal very much larger than that in its skull. If this cavity was really filled with nervous matter, the crea-ture had its brain utterly misplaced, and

seemingly was destined to go through the world wrong end foremost. What it did do, of course, was to go out of the world

had a bigger brain than any of his pre decessors. But man bimself did not come into his competitors at a single blow. The geologist tells us of human fossils that carry the history of our race back some hundreds of thousands of years; and the men of that early day had no such brains as those which we,

A million years or so later man had learned to make crude tools of flint, and had develped what we now term a paleolithic or rough Armed with artificial weapon he had begun to dominate the animal world about him. He could kill even the great mammoth and feast on his flesh. But he could do more. His big brain, come now to be two-thirds as large as that of the modern European, had begun to seethe with new trains of ideae, new fancies, appirations, day dreams, such as no smaller brain had ever domiciled. He was not content to merely fashion implements for pure utility-for the gratification of his unimal desires—he began to make ornaments, to grave outlines of animals on bits of ivory. In a word, he en ered the new realm of art-a realm hithert



BRAIN 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

The prime function of any brain at realm at a bound, any more than one phalanx. The prime function of any brain at all after another of his forbears had routed their is to bring about such a co-ordination of impressions as this. But the earlier brains—those of fishes and reptiles—are mainly mainly given over to supplying what might be termed substations for each of the senses. Hence we find that these brains have large their descendants, boast. The earliest foscil that can lay claim to recognition as that of our own clan is that of the ape-man which Dr. Bubois discovered in the rocks of Java this. These creatures could feel, hear, smell Yet another stage lower lie the reptiles.
In the so-called mesozoic age, before the tertiary, this class of creatures abounded, and were the dominant type of life. Some of them were massive beyond any creature that

to become dominant, consisted very largely of the building up of a more and more claborate series of connections between the cen-ters of special sense. So we find that even the lowest mammals have a cerebrum proportionately larger in comparison with the optic and olfactory lobes, for example, than the cerebrum of any reptile. And with each successive geological age, the bigger and bigger brain means really a growing cerebrum. Finally, in modern man, this cerebrum has come to evershadow all other portions of the brain combined. Man cannot see, or hear, or smell as well as many lower animals, but he can co-ordinate his impressions into more elaborate ideas than any other animal can create; hence all other creatures are at his mercy.

CAUCASSIAN SUPREMACY. Thousands of years ago man gained this supremacy, and ceased to have any comsupremacy, and ceased to have any com-petitor except his fellow man. But not all races of his species have come ahead at the same rate; so, as everyone knows, there is today a wide gap between the litellectual status of, let us say, the European and the native Australian, and this intellectual gap is explained, as is also well known, by corresponding difference in average brain weight of the two races. The biggest brained race of men seems to outmatch the smaller brained race as surely as the mammal out-matched the reptile,

As a general statement, this admits of no question, and it carries with it, to most of us, a feeling of satisfied egotism, for every one is aware that the Caucasian race is a large brained race. As the case stands today, we most emphatically feel that "we are the people," and it is gratifying to be told that our brains justify the conceit. But now comes a disturbing thought, for while the Caucasian brain is undoubtedly a large one, it is rumored that there is a larger one among contemporary races. According to sta-tistics that seem reliable, the average weight of the Japanese brain is greater than that of any other race. Does this mean that the Japanese are the people of the future? Is the scepter of authority destined to be grasped by a hand guided by a brain larger than that of the Caucasian? If history is to repeat itself, as it has repeated itself a million times over in the course of racial evolu-tion, such would seem to be the outlook. If it be really true that the Japanese has the largest brain in the world today. brain has won at every stage of the world's history, and there is no apparent reason why it should not continue to win in the

future. For a long time the white race has been physically dominant, and in material civilizstion, as exemplified in factories, machinery and engines of war, it for centuries has brooked no equal. But meantime a raco which we have considered inferior, over there in the orient, has not been idle. Whatever the cause, it seems to have performed the all essential feat of building the biggest brain on record, and western nations may well look to their laurels, else it may presently appear that, for the final result, this is a larger feat than the building of the swiftest locomotive, the etrongest and the most colorest fortune. It eldent that the Japanese have shown auddenly a capacity to keep step with our west-ern civilization. The big brain tells the