

THE NAVY'S NEW STEEL-MESH MAST.

Tremendous sums are annually expended in target practice by the navy of this nation. The ultimate end sought for in this sedulous training...



MATY'S NEW REELTON MAST.

Wrote for a service journal (The Navy) has ascertained that the effect of the gun fire upon every part of the protected deck was disastrous. A six inch shell burst in the improvised fire control top on the mast and carried away the range-finding station in the very beginning of the simulated combat.

duced for experimental purposes. Three tests were ordered; one to determine the effect of shell fire upon turret armor and turret fittings...

ZURICH A MODEL MODERN CITY. One of the Best Organized and Most Perfectly Equipped Towns. Seventy years ago, as we may see in the national gallery cellars...

Base a Vacation Pay? What a difference there is in what two people bring home from a vacation! One comes back tired, disgusted, bored...

When you go into the country, make up your mind that you are going into God's great gallery of charm and beauty to enjoy yourself and to see what you can get out of it.

Upholding Authority. It was a score of years ago that W. J. Connors, now Chairman of the New York Democratic State Committee...

Thanks for His Money. Weekee—So Sippy is a defaulter, eh? Deekle—So they say. Weekee—By George! I always wondered why he said "Thank you" so pleasantly every time I made a deposit.

Grammatically Speaking. He—Can you explain to me the difference between "shall" and "will"? For example, if I say, "Will you marry me?" should you reply "I shall" or "I will"?



Good Roads.

George W. Cooley, engineer and secretary of the State highway commission of Minnesota, has secured the co-operation of the public road office at Washington and the bureau of plant industry in his plans for experimenting in the construction of roads in sandy districts...

Mr. Cooley plans to make two or three experiments along this line. One road probably will be constructed near Brackneridge and the others in places where similar conditions exist.

In a communication from the bureau of plant industries this question is discussed, and the opinion is given that it is entirely feasible.

The experiments will be started next spring where the proper conditions are found and the assistance of the local authorities can be secured and will be continued for one or two years as the progress of the experiment shows is necessary.

Allerton S. Cushman, assistant director of the office of public roads of the United States Department of Agriculture, at a recent meeting of the American Public Health Association in Washington, said:

"The American becomes a skeptic when you confront him with a proposition which, to him, is akin to the yule of Staffordshire."

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"In this story, pa, the hero says, 'Light is breaking!' What did he mean?" "He was probably in the act of paying his gas bill."

The man with the hoe—the farmer—wants good roads so that he may bring his produce to market and his family and himself to the neighboring town with less expenditure of time, wear and tear and trouble.

A good road economizes time and force in transportation between the farms and the market, reduces wear on horses, harness and vehicles, increases the value of real estate contiguous to the roads and brings prices for farm products, because they can be marketed at less expense.

A bad road is a heavy tax on those who use it, and the worse the road the heavier the tax. Bad roads cause a decay of agriculture. They impose the greatest of all burdens on the farmer.

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This cost of hauling is a heavy tax on the farmers, much of which could be saved. The amount paid out which could be avoided by good roads is absolutely lost.

Narrow tires and mud roads should speedily be sent hand in hand, as it were, "glittering through the dream of things that were."

We often hear this expression: "The hard-headed farmer." We might more appropriately say: "The clear-headed farmer"—the one who farms with his brain as well as his hands.

There is one need that is really greater than those mentioned and that is Good Roads. Good roads spell increased prosperity, increase in farm values, higher education, improved social conditions and a slacking up of the drifting of young men and women from the farms to the cities.

A State aid plan for building the roads so divides the burden that it is not oppressive, in fact there is usually no pronounced increase in the tax rate.

A large majority, probably three-fourths of the farmers of the West, are in favor of good roads and would not object to a moderate increase in taxation if thereby they could have good roads to use.

Under the State aid plan of building roads, which contemplates taxing of city, corporation and all other property as well as farm lands, the maximum tax that can be levied over a series of years for both State aid and local tax, has been figured out on an Illinois farm will not exceed 10 cents per acre per year.

"I hear she found the audience rather cold last night." "They were at first; but when they remembered they had paid good money to see the show they got very hot."

I'd like to dress my wife in silks, But goodness knows I can't afford to pay the price For silken hose.

"Too bad," exclaimed the little pig. "They didn't build me right And make my stomach just as big As is my appetite."

The only time a man does not kick when his name is spelled wrong is when it appears in the police court docket.

SOMETHING FOR EVERYBODY

The municipal markets of Manchester are very profitable. The number of books exported from Germany by German publishers last year exceeded \$2,000,000, weighed 42,100,000 pounds and were valued at \$15,900,000.

Japan has thirty-two timepiece factories, which turn out annually goods valued at nearly \$800,000; the latest figures being 209,792 standing clocks, 441,755 hanging clocks and 25,300 watches.

Belgium has a Sunday postage stamp issued for those who do not wish to have their mail delivered on Sunday. All mail bearing the Sunday stamp is held over by the carriers for delivery Monday.

The Yellowstone National Park, comprising 36,512 square miles, was set apart by act of Congress in 1872 as a national park to preserve from destructive molestation the most wonderful group of natural features and phenomena known within the boundaries of the United States.

After fifteen years of labor, Professor Brown, of Yale University, has completed a series of many thousands of minute observations by means of which he hopes to determine the exact position of the moon. He is about to retire to his house in Maine to begin the work of calculation, which he estimates will occupy at least ten years.

The tantalum lamp is very desirable from the fact that it is of high efficiency, but it is not adapted for many of the fixtures at present in use, for the reason that it must hang vertically, whereas more often than not, the lamps in the existing fixtures hang at an angle.

Kipling is a town which has just blossomed out in Canada, where there is only one town of Shakespeare. There is a Shakespeare in Kew-lusko County, Indiana. However, the great English dramatist was never popular among the dream-tossers in North America.

Every previous boy does not become a brilliant man, but some brilliant men have been previous in childhood. John Ruskin, the great English essayist and critic on art, was such a child. At the age of 7 he wrote verses in rhyme and kept a journal or diary.

With the recent return of the yacht Galilee, at San Francisco, the oceanographic survey work is closed for the present, until the construction of a vessel specially adapted for the work has been completed.

The posting of the windmill in England, antiquated by such recent power producers as the gas engine and electric motor, has given life to a new industry—windmill wrecking.

In the northern part of India sheep are put to a use unthought of in European or American countries. They are made to serve as beasts of burden, because they are more sure-footed than larger beasts, and the mountain paths among the foothills of the Himalayas are steep and difficult.

Several anchors have recently been made at the navy-yard at Charlestown, Mass., which are the largest ever made for any purpose. Four anchors are used on battleships generally, and the new anchors are being shipped in sets to the Pacific coast.

Maud—Oh, dear, I haven't a moment any day this week that I can call my own. My engagement book is positively crammed full.

SOME STATISTICS OF CRIME.

Figures of Prison Population that Furnish Food for the Census. A Bulletin issued by the Census Bureau contains some statistics of the prison population of the country that are startlingly suggestive.

There is some consolation in the fact that, appalling as the aggregate of crime appears, the percentage of criminals to population is not increasing.

It appears that of the total number of prison inmates on June 30, 1904, 77,269, or 94 1/2 per cent, were males, and 4,503, or 5 1/2 per cent, were females.

On June 24, 1904, there were in the United States ninety-three institutions for juvenile delinquents between the ages of 7 and 21 years.

The number of inmates in all kinds of institutions for juvenile delinquents increased from 14,846 on June 1, 1890, to 29,674 on June 30, 1904.

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DOOM OF THE WANDLE.

The Stream Where Isaac Walton Fished is in Danger. That great River Wandle—the blue transparent Wandle—of Pope—the stream where old Isaac fished for trout—marked with marble spots like a tortoise—the river which even now is the most perfect epitome in beauty and in fish of big brother Thames may be doomed, says the London News.

But while gentle fishermen and quiet gardeners have always peopled about the river, men of the world have fought about it, well high from time immemorial. In 1609 a deplorable scheme was set on foot for taking one-third part of the water between Crofton and Waddon Mill and conveying it by canals and underground pipes to the city of London for the benefit of Chelsea College, but so loud was the outcry, seeing that at that date the river turned twenty-four corn mills, that the scheme had to be abandoned and by an act of James I. the necessary water supply there seems to have been none too much water in the river.

Again in 1739 a determined attempt was made by certain financiers and engineers to destroy the river at a blow by diverting its waters into a canal between Wandsworth and Crofton. Once more, however, the Wandle escaped by reason of its great commercial utility and the quaint "Surrey Iron Railway," with grooved rails and tiny trucks drawn by horses, took the place of the proposed canal.

But the Wandle is still a force and a treasure. It may be rather quite so beautiful nor quite so useful as a hundred years ago, yet the man who has stood on the bridge at Carshalton and watched the crystal waters slip past the arches to spread below into calm pools or soak silently through broad beds of moss, or who from the bridge in Wandsworth High street has watched the stained and sullen current glide doubtfully toward the Thames must believe that the River Wandle has still a place in the world.

The Elephant at Bay.

Twenty years of experience tells me that a whole regiment of lions cannot produce the same moral effect as one twelve-foot African tusker when he corks his big sail-like ears, draws himself up to his full height and looks at you, letting off at the same time a show-curdling scream; while in all probability others invisible to you are stampeding on all sides with the din and vibration of an earthquake. Surrounded in a dense jungle by a herd of elephants they seem to block out the whole horizon.

Tell of a man who has done a good deed, and few show curiosity to know who he is.



Great Indian Tribes of the United States.

If Andrew Jackson were alive and could gaze upon the Creek Indians of today he would shake his head at the decadence and retrogression of a once mighty tribe. The Creek is civilized, at least outwardly, and an active member of the body politic, but he compares most sadly with his forefathers as a racial type and as an individual man.

The Creek, or Muskogee, inhabited large sections of Alabama at least 400 years ago, and gave the army of De Soto a vigorous fight while the great Spaniard was leading the march to the Mississippi. They formed a strong confederacy with several tribes on an equal basis and took part in wars against the whites and against other Indian tribes, their military operations extending from South Carolina to Louisiana and from Tennessee to Florida.

In 1813, charmed by the oratory and fascinating address of the great Tecumseh, they obeyed his request to join in a general war against the white man. Headed by Weatherford, a half-breed chief of great valor and wisdom, they massacred the garrison at Fort Mims, and then found themselves opposed to no less an adversary than Andrew Jackson.

Some 17,000 of the Creeks were taken west where they settled down quietly and made good progress in civilization. Unlike the other civilized tribes, however, the Creeks mixed and intermarried with their negro slaves and the tribe is now almost as much black as red. There are some 11,000 Creeks at present, full-blooded and mixed, and about 5,000 negro citizens of the nation.

NOTABLE AIRSHIP FLIGHTS AND RECORDS. Wright Brothers' aeroplane, 48 miles an hour for short flight, Kill Devil Hill, N. C., May 21.

Count Zeppelin's airship, 39 miles an hour, seven-hour flight, June 20. Alexander Graham Bell's aeroplane White Wings, short flight, at Hammondsport, N. Y., May 19. Henry Farman, aeroplane airship, circular kilometer at Paris in one minute and twenty-eight seconds, winning Gordon Bennett prize of \$10,000.

VERANDA FURNISHINGS. The illustration shows a few pieces of furniture which would add much to the comfort of the summer piazza, the wicker swing and the comfortable easy chair both being very desirable models.

Harry is 6 years old. "Pa," he asked one day, "if I get married will I have a wife like ma?" "Very likely," replied his father. "And if I don't get married, will I have to be an old bachelor like Uncle Tom?" "Very likely."

Just a Few Minutes. Voovred Actress No. 1.—Will you go shopping with me this morning? Voovred Actress No. 2.—I will if you will wait a few minutes. "Want to change your dress?" "No, I'm going to get a divorce from my husband this morning!"—Yonkers Statesman.

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