Hudson Maxim Describes his latest Invention

BEWILDERING SPEED

Torpedoes of Such Explosive Power as to insure lastaut Destruction of Any War Vessel Struck-Boat Can Make Sixty Miles an Hour Submerged.

An efficient navy is to-day a wall " national security, just as in old mes was the great city wall. If or naval wall were to be breached y an enemy then our coast cities would be at its mercy, and could be pillaged under cover of the guns of its fleet and in spite of our insuffictent coast defenses, says Hudson Maxim in the New York World. While we might doubtless be able to repel an invasion of the interior, still we cannot afford to take any chances of suc; a national disaster, even as a remote possibility, the cost of which would be more than the building of a dozen deets as large as that new in Pacific waters.

I have invented a torpedo which will have double the range and speed of any torpedo now in use, and have invented a torpedo boat



HUDSON MAXIM.

which will have a speed greater than that of any battleship or cruiser. and which will be able to defy the shot and shell of quick-firing guns in making a run of attack.

Torpedoes will be carried in the 'orpedo boat with half a ton of high plosive in the warhead, so that to struck by one of them, will inrire the instant destruction of any " ar vessel-and there is no war vesin existence that could avoid being struck by one of these torpedoes.

A torpedo boat built according to my invention will be about sixty-four feet long, and , ill be driven by gas. oline engines upon the surface of the water, under normal conditions; but when going into action the boat will be submerged until only the top of the conning tower and the top of the face of the water.

In the prow of the boat will be carried two large tor, edoes, each containing half a ton of high explo-

Motorite is the fuel, consisting of 70 per cent. nitroglycerine and 30 per cent. guncotton. For use it is made in long solid bars, forced and scaled into long steel tubes. This fuel is self-combustive, and does not require atmospheric air to burn it; consequently, it may be burned in a confined space. The heat of the burning motorite is used to evaporate water, and the steam and products of combustion are mingled to drive turbines for the boat's propul-

It will, of course, require an enormous amount of power to , ropel this torpedo-boat at an express train speed when subinerged, but with motorite we have an the power that may be needed even to attain a speed as great as sixty miles an hour.

As only the top of the conning tower will appear above the surface of the water, this will be a very difficult object to hit, even with the quick-firing guns of the battleship. and the exposed part of the conning tower will be protected by armor plate of a thickness great enough to resizt the projectiles of quick-firing guns, and any projectile striking the superstructure can do no real damage to the boat itself.

When the torpedo boat is launched, the reaction or recoil will serve to retard the torpedo-boat and to aid in stopping it. After launching the torpedo the engines will reverse and the boat will withdraw stern-foremost At this juncture there will be no fear of the enemys guns, for the survivors will be busy with their

Let me repeat, it will be absolutely impossible to prevent this torpedoboat from reaching and torpedoing any battleship in the world, and with but small danger on its part of being destroyed

At least a hundred of these torpado boats could be built at the cost of a single battle ship, and a hundred of them would be more than a match for an equal number of battle-

The goats which produce to milk for the famous Roquefort cheese, hardly ever drink water, obtaining the moisture they require from the THE WHOLE WOR'D KIN.

An Incident Which Seems to Prove the Truth of This Saying.

That New Yorkers are not in too much of a hurry all the time to be thoughtful and kindly was illustrated the other day in Nassau street, when the wird was playing such havor with umbrellas, that a man with a taste for statistics counted just ten blown into wrecks in the space of twenty-five minutes. Just as this diverting spectacle was at its height in front of the quicklunch restaurant, a poor woman with a basketful of newspapers hung over one crooked arm and a baby snugged up close to her body in the other, came down the street trying to make way against the wind and still shelter the baby under a shabby excuse for an umbrella.

Just as she was in front of the particularly flerce biast of wind blew the umbrelia backward, carrying the baby's cap with it. Instantly one man boited from the door of the restaurant to her ald, two men on the sidewalk grabbed for the tiny cap and a fourth started on a jump across the street to the woman aid. Iwo of the men put the cap on the baby's head and another held the umbrella over the mother's head while they were ing it. The fourti man looked as he had been injured deeply by not having a hand in the good work. He salved his hurt feelings by putting a coin in the baby's fingers. Then every one in sight looked pleased and the traffic went or its v.rd-blown way

The Auto Faker.

I don't own in automotile, and I never expect to," the man admitted; "but then, is that any reason why I shouldn't own a pair of auto goggles and an automobile duster If you traveled around the country as much as I do you'd know that there are hundreds of people who wear auto fixings despite the fact that they probably never rode in an auto. I got to using these goggles last summer on the observation coaches, because I found they were good to keep cinders out of my eyes. Then I found that the auto rigging gave me prestige with other passengers. I got 'o talking with one man who were the goggles trying to make a bluff at being an autoist to keep him from finding out, and I learned that he was a ringer, the same as I was. There is no denying the fact though, that a man with auto clothes on can get Letter service than the not pollot. Waiters and everybody thinks he's a millionaire and act accordingly.

Rarest of Trades,

"Mine is the rarest of all trades," said an Englisman sipping his light ale, which he called small beer. "I am a maker of instruments of torture. I suppose that at this moment in Siam and China, yellow men are bleeding and bowling in the clutch of machines of my make."

He lighted his pipe. "Pleasant thought, eh? But we must make our living somehow. In Birmingham mine's made. There, for seventeen years I have been turning our racks, hair and nail drawers. thumbscrews, skinners, needle beds, searing irons, bone breakers, and what not.

Siam and China have bought their instruments of torture from Birmingham for generations. Some of these contrivances are very costly and ingenious. There is a water dropper which works by clockwork that costs \$500. There's a- but that's tee horrible to talk about. The Chinese instruments by the way, are a million times crueler than the Si-

Demand for Old Hats.

Oh, yes, I am always in the market for second-hand derbys and silk hats. I'hey sell better than any-thing else." The old clothes dealer pointed to a room filled with shocking hats. "There's not half enough to meet my demands," he said. you was to oring me a carload of old hats this morning I'd take 'em

"There's such a demand, eh?" "You bet there's a demand. Especially among old maids and widows that live alone. They buy these nats and hang a couple on the hall rack. Then, when a beggar or tramp gets too rambuncious at the door they turn and say:

"George is home. There's his hat. George! Oh, George! Will you come down here and turn this rascal away?"

"Then the tramp sneaks, think-

ing there's a man in the house. Restaurants when they open up new stands, generally lay in twentyfive or thirty hate. They hang them in the lobby to make people think business is brisk."

Treatment of Deaf Mutes.

In the experience of Dr. Marage, as reported to the Paris Academy of Medicine, very few deaf mutes have proven absolutely incurable, but of the others there are two classes-those who eventually understand and speak almost as well as anybody, and those who get no further than hearing and understanding music. A recent class of pupils from 11 to 14 years of age had been given a six weeks' course of accoustic exercise with the voice e'ren. By this system the teacher avoids fatigue and the children had not only acquired the ability to hear and understand French, but their voices had lost the harshness characteristic of deaf mutes.

ONCE PEON, NOW MILLIONAIRE,

Mine Discovered by Mexican Netted Him \$150,000,000 in Six Years.

The famous Paintillo mine near Parral, State of Chihuahua, Mexico, which produced for its owner Pedro Alvarado, \$150,000,000 in six years, has passed into the hands of Ameri-

Up to the time the American mining engineers were admitted to the Paimillo mine it was a complete mystery to mining men. Alvarado would never permit any one except his Mexican laborers to go into it until he reached a decision to lease it.

It is the opinion of mining experts here that Alvarado will obtain greater profits from the wonderful mine by leasing it than he did while operating it himself. It is said he paid no attention to the science of mining in taking out the ore, and that vast bodies of ore of great richness are still untouched.

Under his methods it cost \$18 per ton to mine, transport and treat the ores. It is shown by recent tests that this cost can be cut down almost one-half, and that the ore is ideal for cyanide treatment,

modern machinery, and the mine is to be equipped so as to increase its production to the fullest limit. Under the terms of the lease Alvarado is to received 45 per cent of the

net profits of the mine. He also re-

ceived a cash payment of \$100,000

The lessees are installing the most

when the lease went into effect, Alvarado, who only a few years ago, was a peon we king in the mines for thirty-five cents a day, is preparing to enjoy his millions of dollars of wealth which the Palmillo brought him. He has planned to do a great deal of charitable work, such as providing homes for the poor, building and endowing schools, and erecting church edifices. He has contributed hundreds of thousands of dellars to the poor people of Parral during the last few years. He erected a Cathclic church here at a cost of \$200,-000. He will soon visit the City of Mexico, for the purpose of investigating the condition of the poorer classes there.

He contemplates establishing a great industrial school in that city, where the children of the poor will be taught trades of various kinds and trained in industries and given knowledge of a practical kind.

The marble priace which Alvarado erected here a few years ago is said to have cost \$2,000,000. It is located on the bank of the Parral river, and beyond the wealth of carving which the exterior stones bear does not have a gaudy appearance from the outside.

The wide stairway which lead- to the upper floor is of onyx; gold and silver ornaments are to be seen on every hand. A large room of the palace is fitted up as a chapel and the altar is of solid gold. In every room it a piano, and in cages ranged along the halls are hundreds of canary ulrds.

The story is told that Alvarado keeps many millions of dollars of his wealth in cash stored in a big steel vault or cage in the basement of his residence. It is known he never comes into Parral without bringing sarge sum of money which he distributes among the needy poor peo-

He is only thirty-eight years old. It is his ambition to visit the United States and Europe, and now that he has the active management of the famous Palmillo mines off his hands, it 's probable that he will soon carry out his desire for extensive travel.

Bank Like a Watch.

A pocket savings bank in the shape of a watch and of no greater dimensions, is being introduced by savings fund organizations as a means of opening new accounts and increasing old ones.

It is made substantially of two pleces of steel nickel-plated. The banks are distributed to patrons



POCKET SAVINS BANK.

and after being filled are returned to be opened and the contents placed to the credit of the depositor. They hold five dollars in dimes.

In assembling the parts after emptying, the bank is caught at the bottom and secured at the top by the setting of an eyelet.

Gout the Foe of Consumption. Sir Dyce Duckworth, in his address to the faculty of medicine, said that many persons were constitutionally predisposed to rheumatism and gout, but an important characteristic in such cases was the antagonism of the tissues to the bacilli of tuberculosis. The more rheumatic or gouty a person was the less pronounced was his tendency to consumption.-London Post.

Great Fertility. It is estimated that the fertile lands of the globe amount to 18,to 14,000,000 and the deserts to 1.

HIS OWN PRIVATE THEATRE.

Man With Money Who Wants to See Shows Built One for the Purpose.

The.e is a town in Pennsylvania, not far from Harrisburg, but off the beaten track, which boasts of a theatre, waich for luxury of accommodation would be hard to equal. The theatre has all sorts of mcdern conveniences, of a kind which could bardly be expected in a city under a million of inhabitants. This particular city had at the last census about 10,000 inhabitants.

The reason for being of this theatre, which gets all the road attractions of high class, is that there is in the town an exceedingly wealthy man who wan o to see shows without leaving home. He is worth about \$10,000,000.

He has lived in and about the place all his life making money out lumber and manufactures, When he had enough to retire on he cidn't want to go anywhere else to see shows, and as the theatre the place boasted of was a very dingy one he had one built.

He runs the theatre himself at a considerable loss every year, but he gets what he wants. The theatre people like the place, too, because it is so very different from the average show house in the small lown.

The Desert of Sahara.

Th Desert of Sahara may be 'esorted; perhaps it is most desert like, great tracts of sand, and not a soul to be seen, but that is not the onception that most of us have. Personally the writer is convinced that it is crowded with people all of them recognizing one another. It must be so, from the number of persons we hear exclaiming: "I sh uld have known you, my dear, if I'd met you in the Desert or Sahara." They do not say that they ever have met anyone in the desert, but one gets the impression that the air here is particularly favorable for recognition—a sort of "if you see it is the desert it's so." The place apparently, gives a stamp of reality, proves it in fact, and that is why so many women say: "I wouldn't have beheved it, not if I'd seen it in the Desert of Sahara.." We know that if they would doubt it there, convil...ing them any where else would

cut of the question. This may b. quite an erroneous idea and only the result of not traveiling. Some day that desert will have to be found out about and thes, minor points ctes d up

Fastidious Smokers.

Did you know." asked one member of a group who were talking of the recent Indian uprising in the Southwest, "that an Indian is much more fastidious than a white man in the matter of smoking? I saw, when I was in Montana, several of their war dances and the councils afterwards. You know they sit in a circle on the ground and pass the pipe of goodfellowship around in silence. Each man takes two or three puffs then hands the pipe to his next neighbor. But, if you notice, you will see that in the whole circuit which it makes th mouthpiece is never wet. The red man merely lays the stem against his lower lip, and, keeping his mouth partly open, draws a deep breath. Removing the pipe, he exhales the smoke, and then perhaps repeats the process, but he never puts the mouthpiece into his mouth in the common 'raieface' fashion. If he is asked to smoke a peace-pipe after a white man, he first wipes off the end o the pestem, where it has been in the previous smoker's mouth."

Guarding Bank of France.

Like the Bank of England, the Bank of France is now guarded every night by soldiers. But within quite recent time the officials at the bank resorted to a quite novel method of protecting their bullion.

This consisted in engaging masons to wall up the doors of the vaults in the cellar with hydraulic mortar as soon as the money was deposited each day in these receptacles. The water was then turned on and kept running until the whole cellar was flooded. A burglar would be chliged to work in a diving suit and break down a cement wall before he could even begin to plunder the

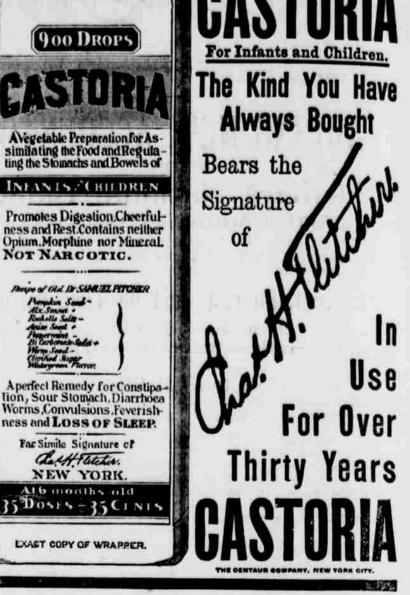
When the bank officials arrived next morning the water was drawn off, the masonry torn down, and the vaults opened.

The Energetic Collector.

New York thrives with collectors of "worthless accounts," and they are worse than a pack of hounds after a sick fox in a stubble field. Their ways are peculiar. One very successful fellow writes a polite note to the debtor. Receiving no response he writes a second time. in style somewhat formal. Nothing doing, as the phrase goes, he makes a personal call and is in all probability kicked down stairs or threatened with personal violence. Corporal punishment only eggs him on to renewed exertions. His next letter is addressed in scarlet ink. the handwriting being so big as to attract attention across the street The language is quite as flerce as the chirography. It "throws a scare," and a settlement usually fol-

Statistics show that the longesthved people eat the heartlest breakfasts.

A Danville (Ill.) hen recently laid her thousandth egg. This is believed to be the record.



SUIT FOR BUSINESS.

Breadwinner's Gowns Are Smart and Simply Fashioned.

Although her ciothes are much more simply fashloned, the business woman revels in modes quite as smart as those of the woman of leis ure. Nothing could be jauntier than this semi-tailored suit, with its skirt of checked tweed and jacket of face



The skirt is plaited all around the figure and trimmed with folds of its own material, stitched along the upper edge only, and ending on either side of a narrow front panel. clears the ground by about two inches and is circular in effect, fitt ag the hips snugly.

The little hip-jacket of cloth has a suggestion of an Empire vest fash. loned of its own material and this, like the collar, is outwith checaed silk.

A trim tailored shirt waist with an Antoinette suffie down the front adds to the neatness of the costume, and this is finished with a high linen turn-over collar, closed with a little black silk bow tie.

The hat is a dull blue crinoline, having a fold of velvet around the crown, the velvet under at the slue under a huge American beauty rose, with green follage.

Explanations.

Nothing is more fatal to friendly relations than complaints and reproaches and demands for explanations. People must be judged in the wholeness of their conduct. A thousand subtle influences, unexpected and unforseen events, have their action and reaction on life. A thousand things occur that can neither be analyzed nor defined. Many a temporary alienation is effectively overcome by silence. Reproaches, questionings, but widen the gulf. Leaving it alone, taking up other interests and ideas, bridges it over .- Lil-Han Whiting.

To Preserve Lemons.

Put a layer of dry fine anni. on inch in depth at the bottom of an earthenware jar. Place a row of hourons on this, stalk downward, and ha careful that they do not touch one another. Cover them with another layer of sand fully three inches in depth. Lay on it more lemons and repeat until the jar is full. Store in a cool, dry place. Lemons thus pre-served will keep for months. Sealskin in the Making.

How many of the fair wearers of sealskin know how this fur is prepared?

In the skin of a dog or a cat it will be noticed that at the roots of the longer, coarser bair of the animal, there are fine short hairs called "under fur." In most animals these hairs are so few that they are usually everlooked. Not so with seal-

The operations which the pelt undergoes to bring out this under fur are really simple.

The skin, after going through various processes to cleanse it of grease, etc., is stretched out flat, with the flesh side uppermost. A flat knife is then passed over it, thinning the skin considerably. In doing this it loosens the roots of the longer hairs which are more deeply embedded than those of the under fur. The rough hairs are thus got rid of without injury to the softer fur.

Next the pelt passes through operations which soften and preserve it. Then comes the dyeing by which the uniform tint so generally admired is obtained. And now the fur is ready for making up into cosy wraps -Montreal Standard.

What a splendid type of tireless ac-tivity is the sun as the psalmist de-scribes it issuing like "a bridegroom from his chamber and rejoicing like a strong man to run a race." Every man ought to rise in the morning refreshed by slumber and renewed by rest, eager for the struggle of the day. But how rarely this is so. Most people rise still unrefreshed, and dreading the strain of the day's labors. The cause of this is deficient vitality and behind this lies a deficient supply of pure, rich blood, and an inadequate nourishment of the body. There is nothing that will give a man strength and energy, as will Dr. Pierce's Golden Medical Discovery. It does this by increasing the quantity and quality of the blood supply. This nourishes the nerves, feeds the brain, builds up enfeebled organs, and gives that sense of strength and power which makes the struggle of life a joy. The "good feeling" which follows the use of "Golden Medical Discovery,' is not due to stimulation as it contains no al-cohol. The ingredients are plainly stated on the bottle-wrapper. It does stated on the bottle-wrapper. It does not 'brace up' the body, but builds it up into a condition of sound and vigor-

Love may laugh at locksmiths, but even love may forget that he laughs best who laughs last.

QUICK CLIMATE CHANGES try strong constitutions and causa, among other evils nasal catarrh, a troublesome and offensive disease. Sneezing and snuf-fling, coughing and difficult breathing. and the drip, drip of the foul discharge into the throat—all are ended by Ely's Cream Baim. This honest remedy contains no cocaine, mercury, nor other harmful ingredient. The worst cases yield to treatment in a short time. All druggists, 50c., or mailed by Ely Bros., 56 Warren Street, New York.

Hoax -- "He's always looking for trouble." Joax -- "Well, I guess he can find it without any trouble."



is quick!; absorbed. Gives Rebel at Onco. It cleanses, soothes,

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