

## Novel Engine of Destruction Sir Henry Camposit-Destruction Velocity Mile a Minute

## HOW SPEEDIS REGULATED uing himself with any available alip

Each Torpedo Costs About Five Thousand Dollars-Can Be Discharged from Submarine - One -Construction.

The Scientific American gives some of the details of the torpedo's construction: First the head, containing the explosive; then the central flask, in which the compressed air for driving the torpedo is stored, and last comes the after body, which contains the turbine for operating the propellers, the immersion chamber, for regulating the depth of the torpedo in the water, and the gyroscope gear, by which the torpedo is automatically sieered and kept in position during its line of flight to the ship to be attacked.

The head of the torpedo is considered a beautiful specimen of hammered sheet-metal work. It is made in halves, divided longitudinally, the edges of the joints being made with a square saw tooth form and brazed together.

The "war head," which is distinguished from the practice head. is used only in actual hostilities, in loaded with 132 pounds of guncotton, containing 25 per cent. of moisture. This guncotton is packed in a hole containing a cartridge primer tion. of dry guncotton for exploding the shoulders, rolls out his long sen- etting both softly dissolve. It is said charge.

treme point of the torpedo is for each slip of his notes he crushes it commences to feel a cheering, exhibit preventing premature explosion, in his right hand and thrusts it into trating effect. The Russians call this which it does by locking the firing a, pocket of his pea jacket. pin

Here

19,000 pounds.

The active portion of the torpedo 

of paper, as if to cool his rising ar HAS PROVED SUCCESSFUL dor, says the London Tit-Bits, while he punctures his oratory by occa- During the Late War These Tablets Were Used by Russian and Japansional thumps on the table, to drive Thousand Pieces Enter Into Its apoint home, or by a clutch at the lapels of his coat. Government Station.

men of Great Britain.

when speaking, but he has one little

distinguishing trick-that of fan-

POLITICIANE

for the Soldier's Comfort

In devising a convenience for sol-

dier and sailor Uncle Sam has come

upon an article which will be of in-

estimable value to the traveler,

sportsman, engineer and woodsman,

as well as to the housewife. At his

experimental tea garden at Summer-

ville. S. C., he is turning out tea in

These are the first tea tablets

which we have ever seen in the new

world, but compressed tea in the

'orm of slabs was introduced in Rus-

sla a century ago. As a convenience,

Russian officials and their wives

have long carried on their numer-

ous journeys high-grade compressed

tea molded in the form of tiling or

cakes. In the late war with Japan

Russian soldiers were supplied with

these slabs, very like our cakes of

chocolate and governed so that pieces

of standard size could be snapped of

'sher.

tabloid form.

In the fingers.

(TED FORMON

eculiar Methods of Le

Sir Monry Campbell-Bannerman.

During the long sleighing trips John Burns has learnt his oratory over the Russian and Siberian erin the open-air school, which de-panses, where it is impracticable to mands a loud voice, plenty of fire halt and boil water, a traveler often disks, through the center of which is and vehemence and accentuated ac- places one of his tea tablets in his

state of tension,

is how the mechanism different stamp from the member for slightest harm results from the conworks: When the torpedo is fired Batterses. He is normally quiet and sumption of three or four tablets. from the ship's tube and enters the unemotional; stands by the chair- But the greatest freak in this line

Mr. Asquith has a fine, clear voice, poured into them until it dissolves, The central body or shell of the and excellent delivery and an attrac- such time, just enough of the tea torpedo occupies a little more than tive presence. His speeches are de- from the bottom and sides of the one-half its total length. The mighty lightful to listen to in their smooth, cup to give a sufficiently strong inweapon is made of a special forged easy, sonorous flow. He is very spar-steel of an elastic limit of at least ing of gestures, but the nervous the medicinal "quassia" cups of our

end the wonderful little torpedo en-learning and ability, but by no means But every particle of tea in the ity. His complexion is rather dark, his troubles with some one who gine that drives the propeller. It is of the Curtis compound type and consists of a central row of fixed blades and two wheels, one eleven and one eighth inches and the other blades and two wheels, one eleven smalty and immobility which makes past fe them not a little tedious. industry at Washington has ren-Mr Saldane is another minister dered it possible to grow in this of immense cleverness and wisdom country as good tea as can be pro- piness; such, however, in this in-municipal loan banks are open only who is not an alluring speaker. He duced in any part of the world. eschews oratory and gestures and The experiments at the govern- by the strictest etiquette, his and not at all on Sundays, while the pressed power or energy which is with arms folded across his huge ment tea gardens are showing that far from being the glorious bed of private shops do business at any generated for the emergency when that auta this folded across his must ment tea gardens are showing that roses it is supposed to be. Not able hour that suits the ollents. The avert voice which seems indicrously small as productive here as in their native to go outlide the palace walls except age municipal doan bank has no for his big body. quality of India and Ceylon teas, but hours.

ersonality of the Ralest Alto Whom So Little it Kmown Uncle Sam's Latest Experiment

THE BULLAN OF HOBOCCO.

Moulal Abd-el Asix XIV., present City Pawnshops Form Part of Sultan of Morocco, in pro-Dably the nost misunderstood man of the present time. The whole army of newspaper correspondents, many of

hem residents of Tangler, seem to ese Soldiers - Colored Children ing long articles depicting his impo-Used to Pick the Leaves at the sence, his foibles and his weak, way-

> stand the real man, says J. H. Avery who has been in personal axtendance

upon His Majesty for two years. Born in 1880, of a Circassian, the pawabrokers in competition with the least three times what it was favorite slave of the late Mulai Ha- many private concerns. In the coun- and there are other reasons for san, Abd-el Aziz had the good for try and in villages the want of these unfavorable showing, the set of tune to be reared under the careful loan establishments is not felt be ones being the larger company guardianship of a loving mother, an cause there, the people know and we pay employees and the extend educated indy and a true woman, help each other when in difficulties, areas we have to cover which a

Brought up from childhood inside in the large towns people very offen thinly populated. The highest the palace walls, kept apart from the do not know their neighbors, and it Postmaster in England others, the boy reached early man- is sometimes difficult for even the about \$5,000 a year, clerks f bood without coming into contact most frugal to be prepared for every \$200 to \$1,000, carriers in the law ith the many contaminating influ- amergency. A workman generally or cities \$420, and in the same ences which so say and wither the obtains his maximum of wares at the ones and rural carriers from \$250 a early life of the present day Moor. age of 20 years. He usually marries \$275. Britten postage is change young and his expenses increase with than ours. For I cents letters well The result of this training is that instead of being enervated in body the growth of his family, while his ing up to four ounces are carr wages remain stationary. Iliness, an with 1 bent additional for sach th active, fond of all branches of sport, accident or some unforescen event additional ounces and every se and full of just those traits of charwill make him exceed his income and tared newspaper goes for I comb actor so beloved by the athletic Brit- force him to part with some object of mardians of weight. Anything alue to meet his expenses.

In person Moulal Abd-el Alls possess all the qualities expected in a Moorish ruler. Over six feet in



Sultan of Morocos

private nawashops with their birth movements of his hands betray his grandparents-will continue for six height, broad in proportion. his press rates of interest. The aret reach months to brew as much tea as one ence inspires confidence and at the given is the very human on same time retains the air of author-that everybody likes to talk over

Post Briteric Call Dutch Everyday Life. PLAN TO PREVENT USURY MANAGEMENT OF NEW Route Billing The

them residents of Tangier, seem to lelight in maligning his powers, pre-cepts and ideals, and glory in writ-ing long articles depicting his impo-sence, his foibles and his weak, wayprofit of \$13,000,060, and

\$14.000,000. Due to the large In Holland the corporations of rapid increase of rural delivery large cities have themselves become 1905 our deficit has grown



To save persons of this kind from essis a pound and a costs for a extortion the municipalities opened additional pound up to eleves, who so-called loan banks, in which a is the limit. Anything can be p tard rate of interest was charged tared for a cents, and the gor

At first these banks were quite sur insures regulared matter an anstal and some of them more than in value for that sum. By pa epaid their cost, Lately, however, south for such additional 188 1 there has been such a failing of is we insumance up is safe may be sumber of customers of these is bed. Newspapers may be form titutions that at first sight it would without additional postage. W sphoar to prove that the prosperity not the case with as, and of the people had marrelously in ders cost 2 cents for 25 pe





He throws back his broad mouth, with a morsel of loaf sugar,

tences and rhetorical phrases in a that a half hour after thus taking The small propeller in the ex- Hyde Park voice, and as he finishes hree or four of his tea tablets he

numigence a "dry cup of tea," and it John Morley is a speaker of quite a s claimed by them that not the

water the revolution of the pro- man's table with his left hand play- 's the cup moulded of compressed pellers releases a "sleeve" which un- ing nervously with his waistcost :ea by a firm of Mockba, central covers the firing pin, putting it in buttons, while he points the index Russia. These vessels after a course position to strike the detonating pri-mer at the instant the torpedo finds ence.

James Bryce is a man of prodigous drinker will desire.

nearly twelve inches in diameter. There are two propellers running in opposite directions.

It is almost inconceivable the comthis terror of the sea is ready to be hurled against the enemy.

The turbine runs at a speed o 10,000 revolutions a minute, but is reduced by gears to a speed of 900 revolutions for the propeller. This develops 160-horse power, giving a speed for forty knots an hour, although the contract speed required by the government is only thirty-six k nots.

There are holes for the water to enter on one side, and on the other are a series of coiled springs so adjusted that their pressure is exactly equal to the pressure of the water at the given depth at which the torpedo is to travel.

If the intelligent monster is to descend below that depth the water pressure, overcoming the springs, pushes the diaphragm inwardly. On the contrary, if the torpedo is above the desired depth, the springs overcome the water pressure, push the diaphragm outward and allow more water to enter, and thus sink the boat to the required depth.

By previous adjustment the tor pedo can be set to run at any desired depth, say five feet below the surface, and keep that depth steadily maintained until the enemy has been! struck and destroyed. It is said that the most interesting feature in the building of the new torpedoes is the improved turbine engine that drives are not in his favor. them.

Perhaps the most novel and startment when it is most needed. This is obtained by the use of an alco-

The fiame is automatically lighted the moment the torpedo leaves the muzzle of the tube. The compressed air flask contains a burner and the fiame is fed automatically with alcohol.

The flow is so regulated that an even temperature is maintained during the run of the torpedo to the doomed warship. It is this superheating process that gives the great superiority claimed over the Whitehead type.

More than a thousand distinct pieces of bronze, brass and steel are been described as the "automaton," money as they wish, and the State about 6 o'clock, when the Sultan cate and wonderful adjustments of

which is but a bagatelle in case a in searching for and adjusting his \$5,000,000 battleship is blown into kindling wood and scrap iron at a with alarming vigor and frequency;

A Poor Showing.

The people of this country spend about five times as much for liquon as they do for books, papers and periodicals.

rance of the leaves.

Mr. Wyndham is eminently a York State towns which have adopt ance of the few Europeans to amuse graceful speaker-graceful in his ed the money system have a valua- him and the private audience of any easy, fluent diction, in attitude and tion ci less than one million dollars people who had arrived in Fer that and it is curious fact that the oldest ward

used in the manufacture of the dell-from the mechanical flow of his will add 50 per cent. of the amount would retire to his own quarters for cate and wonderful adjustments of speech and quality of his gestures, raised to their highway fund, thus the night. the torpedo, making it, it is said, the which are limited to a jerk of the permitting them to go ahead and Such is the life of the Sultan of

and Sir Edward Clarke stimulates a neighbor does, try to improve diate the many charges levied of Russian by statistics and the many charges levied

disease, even for childhood's affic cession we will have to "get up and seen personally the applicant can the fumbermen which of the finatie."

To be a Sultan in most people's more for an article than he first in idea is the be-all and end-all of hap-liended. Another reason is that the stance is not the case. Hernined in until I o'clock on Saturday evenings, climes. The changes of climate un- on state occasions, or when visiting branch offices in the suburbe and dergone by the foreign seed has, the Mosque on Fridays his actions outlying districts. Still another reahowever, changed the flavor of the are greatly restricted, and when the son lies in the development of the

tea leaves. Our early sesson tea is court business of the day is over he oredit system. Formerly the pawnmore delicate and milder than that has to amuse himself alone the beat shop was about the only place where discovered the grown from the same seed in the na-always at the call of his Ministers; on property, but now there are manufactured and and any are manufactured and tumn is stronger in color and taste should they require his ad wice. It merous banks of credit that make with the simplest his to and resembles the foreign teas from was the continuation of this hum- loans even where the security given a state of weather the more southern climates. American drum life that caused the Sultan to is small. tea grown at the Summerville sta- send for an Englishman to relieve It is quite evident that the municipand ment.

tion lacks the puckery or astringent the monotony and brighten his dull pal loan bank needs to be satablished ship to those found to use the puckery of astringent bours. is decidedly fragrant and delicate in What could have shown to the he state shall acquire the municipal mable to er

taste. The best results have been world the sterling qualities the man pawnshops, giving them an inter ployed is making obtained in a hybrid plant intro possesses better than his action over communal character somewhat like ments duced here about 50 years ago, and the deplorable murder of Mr. Coop- that of the postal avings banks.

acclimated to the coasts of the south-er? Here a Moor had shot one of the This system would be of great ad-ern and guif states. It will yield 500 most popular missionaries in Fez wontage to customers as in the case ern and gulf states. It will yield 500 most populat manously in the of removals to the of removals to other fowns the paws son and makes an excellent black for all evil-doers. Without hesita- where, Another advantage would be

The tes pickers at the govern- the whole. Moorish Cabinel, he Municipalities set money at a per ren. One of these can pick over 50 caused the murderer to be dragged tent, while the state can get it at pounds of the green leaves in a day, into the public square and in the io 234 per cent. On articles valued whereas the average picker in the presence of the populace shot down, at from 1 to 10 floring (40 cents \$4) orient rarely gathers over half that it was a life for a life, yes, but a be the rate the borrower now has to pay amount. There is a winter school liever's life for an unbeliever's did is 9 per cent, on articles worth from lators whose speeches read "better established for the pickers. Tea-than they sound" he is not naturally gathering demands very delicate fanatical Fezzes, and it took some valued at more than 125. "Der cent. work. Each plant has about five two or three weeks before they for- Everything placed in pays in the wants, while his voice and manner bottom and surmounted by a flow. are not in his favor. Mr. J. Chamberlait and theft. Of each 100 ery tip or pekce. Only the pekce

Mr. J. Chamberlain, on the con-and the two top leaves are allowed The Sultan's daily life is really a average, are redeemed; while the trary, is always alert and full of an to be picked at the station. In for simple one. Usually rising with the other three are noted Pleaves are allowed at the station. remains the speed at the very mo-creasing the speed at the very mo-barged and full of million and body alike are electically often gathered as a make-weight, dressed for the courts, arriving there remain in the bank. After that its charged and full of vigor and life. but their sole value is the claim that at 7 A.M. From that times to 11 sale is advertised in all the news charged and full of vigor and life. but their sole value is the claim that He has a wonderfully clear, pene-trating voice, and a remarkable gift of lucid exposition and flow of lan-The government experts attached with him on every conceivable pro-tharge of the public auction in per-

speech is accompanied by an appro- to the experimental gardens are im- text. Then he strolled through the son, but, as a matter of fact that aupriate action; when developing an proving the quality of the tea by grounds to his private rooms, where sust gentleman delegates the daty studying these peculiar ferments of he patrook of breakfast. Afterward, is some lesser official. If the article raised finger and emphasizes his "enzyms" which as in the case of in an undress costume he would receives a higher price than it was conclusions by bringing his clenched enzyms which as in the case of perambulate the grounds in company pawned for the owner rate the difference of the owner rate of the with Omar Tazze, the Master of the lerence, but it brings less the bank Royal Household. Then followed has to stand the loss

the midday meal, and at 3.30 what was known as afternoon court would India Rubber Trees Lield.

India -rubber trees which are tapped every other day continue to pers. yield mp for more than two years. Don't leave a book ly easy, fuent diction, in attitude and iton of less than one raise as much he wished to see. Court finished and nost frequently tapped them produce the richest sup.

The Czar's Selar

The Czar receives nearly a million the free American. Cooped in his per annum. His salary is paid in large but oftimes dreary palace, not monthly instalments of sighty thouknowing just what is going on in the sand pounds each, which are sen to him by check on the National Bank

Jarrow Wood of Australia. The Chinese have a god for every this world. Things move at a rapid difficult for his subjects, although is almost the only kind rely on justice being moled out in fectively resists the depredations of

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with the gu

payebol une the left as a and rith qual lasting howsver; these who as left should be used a motion, Lisanin act copy of the 2253 1 1 0 0 While the st believe that in a 

10 ASSOC CONTINUES ecurae, would be do CALL STATES THE A

Don't handle a book e beste solit mestares and Dou'e tara do

in tom the middle our des soles seelles de ulekir let theme Don't cut les IN COST OF (0) (C)

In taking pattern after that which outside world, he is unable to repu-

A. J. Balfour.

A. J. Balfour is one of many legisfluent and often has apparent diff-

holic flame applied to the com- of lucid exposition and flow of lan- them. guage. Each telling phrase of his

argument he leans forward with

fist sharply down on the palm of his left hand. He has, too, a trick of toying with his eyeglass, placing it in his eye, dropping it again and then replacing it.

costliest bit of ordnance in our navy. Each torpedo costs about \$5,000, Chapin, when he is not busily engaged tion as they can afford.

tugging at his Dundreary whiskers. we are after in every line of work in tributed to the Sultan he knows

tions, like the numps and measles.

New York State's Good Roads. Nearly two-thirds of the New take place. That meant the attend-

Selecting Our Standard.

his oratory by stroking, or rather on his methods. It is improvement sainst him. Many of the act at





