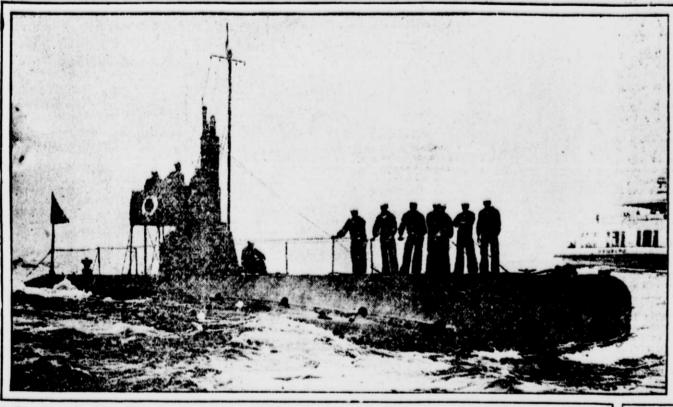
NEW SCHLEY CLASS SUBMARINES TO MARK BIG ADVANCE



U. S. submarine C 4. The present class is "M." each successive letter representing improvements. BY REVE BACHE.

THE Navy Department is about to call for bids for the two great seagoing submarines authorized by the last Congress. They will be substantially of the same pattern as the Schley (planned a couple of years ago), though perhaps a trifle bigger. The Schley will be 265 feet long, with a displacement of 1,000 tons. In effect

Schley will be 235 feet long, well a displacement of 1,000 tons. In effect the three will be triplets and will cost from \$1,200,000 to \$1,500,000 apiece.

Now that Thomas A. Edison has gone to work on the problem of perfecting the submarine lost the property of an expansion of the activities of his type of early in the watters of his type of early in the watters of this type of early in the watters of the construction fifty, one submarines, six of the A class of the construction fifty, one submarines, six of the A class the construction fifty, one submarines, six of the A class the construction fifty, one submarines, six of the A class the construction fifty, one submarines, six of the A class the construction fifty, one submarines, six of the A class the construction fifty, one submarines, six of the A class the construction fifty, one submarines, six of the A class the construction fifty one submarines, six of the A class the construction fifty one submarines, six of the A class the construction fifty one submarines, six of the A class that the clear the construction fifty, one submarines, six of the A class that the class and one does the construction fifty, one submarines, six of the A class that the class and one does the construction fifty one submarines of the class and one in the M class.

The latest part of the class and one in the M class of the class and one in the M class.

The submarine of the case and part of the class and one in the M class in view.

One suggestion of his is that convect may be separated directly from sea water by some sort of apparatus corresponding in function to the gills of a fab. He does not say how this may be accomplished, but he is thinking it out. If it can be done the submarine will thereby be enabled to remain submarines the construction of the construc

t whereby the submarines may obtaint aquatic man-of-war without guns is a



The gasolene engine room of a submarine.

be overcome before long through the development of some sort of internal combustine engagement of some sort of internal

operation of practically half the entire for three years. United States army. Despite the fact 1 is then carved in imitation of a lost a leg or an arm, a foot or a hand foot of wood, apparently remains as wild as it was fifty years but methods of manufacture vary.

ago. It is to-day the last "bad lands" | The leg is made hollow for the sake right is not restricted to soldiers and of mediaval Nurembers. try of Texas is really the ist sur- a useful and comfertable counterfeit than one arm, indeed, for every 100 that his servants still the I vival of the old West.

The eye of the submarine. Binocular telescope, through which the steersman surveys the surrounding sea. portant new departure in submarine | circumstances it is necessary that | by levers from inside the

storeroom pantry for the stowage of pets, pans, dishes and other table equipment, as well as food supplies.

The F boats (one of which was supt at Honolulu) are 140 feet long. Those of the L class are twenty feet longer. This gives a notion of the great increase in size represented by the newly planned Schley and her sisters. The L boats carry twenty-two men and two officers; the complement of the Schley will be about forty-seven men.

Schley will be about forty-seven men.

York Navy Yard.

Part of the test consisted in placing the battery on a rolling and pitching phetform, counterfeiting the movements of an undersea ceraft in a violent storm, and keeping it agitated by this means continuously for a period of thirtwen months. This, at a rough guess, was considered equivalent to at least ten years of actual service.

grounds or if it be desired that she shall rest on the sea floor.

In further explanation of a statement already made it might be said that the Schley and her two sister submarines will each carry on deck four torpedo tubes mounted on pivots. In effect they will be huge guns, reading to a rolling and pitching the battery on a rolling and pit and five officers. This is an approxi-

Two Soon to Be Contracted For Expected to Be the Most Efficient Undersea Fighters Afloat---They Will Be 265 Feet Long, Will Carry Rapid Fire Guns and Have Many Novel Features

comparable to the largest submersibles now operating in European waters, weloped in large quantities, and there within the last month German U-boats of unprecedented size, perhaps representations. One theory in regard to the loss of the F 4 even keel, being provided for this pur-

of imprecedented size, perhaps representing a new class, are said to have at Honolulu is that she was destroyed pose with four great rectangular padappeared in British waters. appeared in British waters.

by the ignition of hydrogen from her dies called hydroplanes, mounted even the Schley will be provided with a batteries. With the latter there is with the deck level and just outside diving compartment, from which, in frequent trouble due to the slopping of the deck rail. These paddies work on case of accident, her crew can escape in the electrolyte out of the cells during pivots and are geared together, so diving dress. This is another very im- stormy weather, and under the best of that all four can be operated in unison

The new battery makes no slop and the boat is on the surface.

portant new departure in submarine construction. She will be habitable and even comfortable, the ample living space furnished with uphoistered bench seats that are swung up at night and converted into beds. The mess tables will be collapsible.

Plate glass mirrors and electric lights will lend cheerfulness. Abaft the living space and separated from the latter by a mahogany bulkhead and glass panelled door, will be the galley, provided with electric cooking apparatus. Adjoining the saftey will be a storeroom pantry for the stowage of pots. pans, dishes and other table pots. pans, dishes and other table pour provided with electric cooking apparatus. Part of the test consisted in placing outpment, as well as food supplies.

Part of the test consisted in placing continued at frequency the outfit shall be overhauled at frequency the outfit shall be overhauled at frequency that the polate the countility shall be overhauled at frequency the outfit shall be overhauled at frequency that the polate to commission.

So long ago as 1910 the Navy Department asked Mr. Edison to see if the countil the lotter to shall not be described as high the collapsible.

Plate glass mirrors and electric lights will be collapsible.

Plate glass mirrors and electric transmit asked Mr. Edison to see if the countil the name of the keel of the countil the boat sinks or rises.

A recent improvement is a pair of wheels, set tandemwise in the keel of the submarine. More properly, however, the submarine of the work, as they are inclined the boat sinks or rises.

A recent improvement is a pair of wheels, set tandemwise in the keel of the submarine. More properly, however, they mish to were, as they are inclined the boat sinks or rises.

A recent improvement is a pair of wheels, the submarine of the work as they are inclined the boat sinks or rises.

A recent improvement is a pair of wheels, the submarine of the wheels, set tandemwise in the submarine of the work as they are inclined the boat sinks or rises.

A recent improvement is a pair of wheels

course, they can be used only w

BIG BEND NOWHERE in the United States Nowher of the Country of TEXAS SCENE OF MANY RAIDS Nowher in the Chief States and swift rescues than the Big Bend country of Texas where for the past three months banks of Mexicans and the Cattlemen Mexicans and the Common of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Southern which settlers have let severely alone. Bits traditions and customs of citizens, in 18 a region which settlers have let severely alone. Bits traditions and customs are clarified with settlers and parties of citizens, in the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bend country of Texas Bender from the first of the Big Bender Region and the colors of

lying along the border and extending from El Paso to Del Rio, a distance of some 350 miles where the Rio Grande for guerrilla warfare.

**Totally that part of Texas and a generally dense growth of message brush make it ideal rustling which had gained such proportions as to threaten the whole instituted reasons that the force has been such as the part of the about the rangers, as they were no longer needed, and until recently it was more for sentimental than practical reasons that the force has been such as the part of the about the rangers, as they were no longer needed, and until recently it was more for sentimental than practical reasons that the force has been such as they were no longer needed, and until recently it was more for sentimental than practical reasons that the force has been such as the part of the cattle such

proper is really that part of Texas frequent rayines and old water courses izens formed at the expense of the abolish the rangers, as they were no men. makes a big dip into Mexico, the name | for guerrilla warfare. | portions as to threaten the whole in- tical reasons that the force has been dustry along the frontier. |



Five prisoners at Barreda, 12 miles from Brownsville, Tex, caught in a Mexican raid by the Twenty-sixth U. S. Intantry.

most thrilling chapters in the history of the Big Bend country. Orozeo managed to escape from Ojinaga and was of basswood or willow, supplemented of basswood or willow, supplemented and artificial arm is of similar constitutions.

To patrol the Big Bend country is put aside in a dry place and alproperly would require the active co- lowed to season. It ought to season bent into any desired position.

| And a country is put aside in a dry place and alproperly would require the active co- lowed to season. It ought to season bent into any desired position.

that the region has been pierced by real leg, sandpapered to smoothness, in the service of the United States which was a mere block w the main line of a transcontinental hollowed out so as to convert it into Government is entitled to an arti- evidently intended to be for railroad and that every effort has been a mere shell, and rendered waterproof ficial member every three years. This the ankle of a person whose made to introduce irrigation and dry by a coating of a special kind of is a very liberal allowance, because farming the Big Bend country to-day varnish. It may be covered with kid, a false leg if not abused ought to Famous in history is the irrigation.

of the United States, and it is there of lightness, and also to provide room sailors; civilian employees of Uncle was another nobleman of that the only counterparts of the old bands of cattle rustlers and outlaws are to be found. The Big Bend counterparts of the old bands of cattle rustlers and outlaws are to be found. The Big Bend counterparts of the introduction of a strong spiral Sam can enjoy it likewise.

Sam can enjoy it likewise.

Few artificial arms are asked for ten pounds, with which are to be found. The Big Bend counterparts of the old for the introduction of a strong spiral Sam can enjoy it likewise.

Few artificial arms are asked for ten pounds, with which are to be found. The Big Bend counterparts of the old bands of cattle rustlers and outlaws are to be found. The Big Bend counterparts of the old bands of cattle rustlers and outlaws are to be found.

For years Martinez held sway throughout the whole section, gradually increasing his operations from cattle stealing until his band on more than one occasion attacked and sacked small towns in the interior. He was finally cornered by a company of Texas Rangers, assisted by cowboys, and was killed in a running fight. Eleven of his band were later eaps to accept a money equivalent to date pattern is an ingenious piece, lost such members prefer as of apparatus, and there is many a man likely to profit more by the war than the manufacture of any the fact to the casual observer. Of course if the natural limb has been cut off high up the artificial one must be in two parts, connected by a killed in a running fight. Eleven of his band were later eaps the members prefer as to accept a money equivalent in the fact to the casual observer. Of course if the natural limb has been cut off high up the artificial one must be in two parts, connected by a killed in a running fight. Eleven of his band were later eaps the fact to the casual observer. Of course if the natural limb has been cut off high up the artificial one must be in two parts, connected by a killed in a running fight. Eleven of his band were later eaps the fact to the casual observer. Of course if the natural limb has been cut off high up the artificial one must be in two parts, connected by a killed in a running fight. Eleven of his band were later eaps to accept a money equivalent in the casual observer. Of course if the natural limb has been cut off high up the artificial one must be in two parts, connected by a killed in a running fight. Eleven of his band were later eaps to accept a money equivalent in the date of a port of a

Another American manufacturer, who has a factory in France, has just returned to this country to secure additional machinery and workmen. To obtain the latter is not easy, for false legs and arms, especially the former, are complex pieces of mechanism, and to construct them properly requires much practice and long trainated for the concentration camp at Fort Bliss.

Among those who crossed at this time was Gen. Pascual Orozco, whose recent death furnishes one of the most thrilling chapters in the history

aged to escape from Ojinaga and was not definitely located until last June, when he was arrested at the same time that Victoriano Huerta was apprehended at El Paso. Orozco escaped from El Paso a few days later and again dropped out of sight until he started on the raid which resulted in his death.

An artificial arm is of similar construction, with a wooden core for the hand, which is of vulcanized rubber. But as a substitute for the natural limb it is a poor thing compared to some extent with leather.

The lumber for them is carefully selected, and the first step in the making a substitute for the natural limb it is a poor thing compared to some extent with leather.

The lumber for them is carefully the hand, which is of vulcanized rubber. But as a substitute for the natural limb it is a poor thing compared to some extent with leather.

The lumber for them is carefully the hand, which is of vulcanized rubber. But a substitute for the natural limb it is a poor thing compared to some extent with leather.

Such false legs and arms now be bought are of course of the hand is pared to a false leg. The hand is useless for purposes of manipulation and has to be kept covered with a love of the privilege to purchase inches their privilege to purchase inches the hand, which is of vulcanized rubber.

The lumber for them is carefully to be head. with a large auger, and then the block glove. Wires extend through the substitutes for tost limbs

Under the law any person who has tion recently dug up in Peru

and was killed in a running fight. Broading capacity of the amountation is between the knee tured and lynched.

The killing of Martinez occurred at a point near Olinaga, which obtained to the amountacturer. One to walk without limping, or one to walk without limping.

of a real one. An artificial leg of up legs. Pensioners and others who have threw it into the Rhine