ROBOT OF DESTRUCTION: ("Readers! Digest".)

The torpedo against which naval engineers have found no satisfactory protection, is man's most intricate engine of destruction. It is the smallest warship afloat - 34 ft long. For it is a ship, complete with engine wake of white bubbles from the component, cargo, and mechanical crew. If prossed air which streamed from it so directed it will describe a complete whaust pipe. This sometimes gave semicircle before stiling down to its course. Like a big battleship, it is given tests before it joins the fleet. A 3000 pound fish of steel with 600 pounds of H.E. in its warhead, it knifes its way through the sea at Ito wallen nearly a mile a mimte. staggers the heaviest battleship.

The solf propelling torpede was born in 1864, when Captain Luppis of the Austrian Favy went to the famous Scottich engineer Robert Whitchead with a plan for an automatic, self-steoring, underwater projectile .. Whitehead, fascinated, went to work at once and two years later the first Whitehead torpedo slid into the water. It was ; a crude little machine, lo foet long, travelling at 6 m.p.h., and carrying six pounds of dynamite. But so sound was Whitcheadis work that his basic design has been changed only slightly.

The carly terpedo was notoriously errable in the water and nenaced the mother ship as much as the target.

Even in the last war, several U-boats were blown up by their own torpodoes. The modern torpodo is so accurate, it can pun for riles without approaciable deviation from its set coure and copta Its mechanism comprises 1525 procision built parts. To make one requires some 20,000 man-hours, and it costs the navy about 24,000.

Just before the torpedo is launched a torpedo-man, on instructions from the fire control officer who has corputed the target's position, speed and range, sets direction and depth by adjusting a small spindle like a radio dial. It is no longer necessary to aim the torpedo direct at the target. It may be laurched in any direction, and so set to t it will turn to its proper course.

The principle remter of the craits a gyroscopic pilot, a bronze flywhool the size of a saucer, whiled at 13,000 revolutions per inute by a jet of compressed air. This gyro-compass controls a small engine which operates the directional ruder, instantly correcting any deviation from the torus.

The principle remter of the crait is a throughout information, and from hingide information, received from his trainer (who, by in the K.O. Nid"), we feel sure that the controls a small engine which operates the directional ruder, instantly correcting any deviation from the torus of the "Fighting of the period of the "Fighting of the correcting any deviation from the torus of the "Fighting of the period o The principle renter of the ero, is pedo's fixed course.

The underwater course of the torpedo is usually about 15 feet below tho surface, and must be kept level. / sensitive hydrostat, neceuring douth by external water pressure, controls a second small steering engine, which operates horizontal tail rudars.

the torpodo runs cloger to the surface than ordered, or deeper, these steer it back to its correct dopth. All these mechanisms are fitted tidily within the torpedo's slim diameter of 21 inches.

The torpedo used to leave tel-tal walto of white bubbles from the cor. prossed air which streamed from it: the victim time to dodge, and clear marked the position of the submari-which fired it. The modern leave almost no wake. The white hot mi ture of air and steam is exhausted through a hollow bronze propeller The steam on striking the cold soa condenses into water - the hot air forms thny slow rising bub-bles which cannot be seen from a

tance when the terpede is well down. The decision in the next phase of the war may well turn on our abili' to defeat the torpedo in the Atlan' and to win with it in the South Parific. The tin fish is still making.

history.

## "SPORTS" BOXING

The enthusiasm shown by all ranka over the recent pugilistic efforts of members of the Regt. is indeed grat. ifying. The recent conest staged at the Navy Velodrome between "Duke" Eddington, the "Tim & Rue Tornedo", and "Full Count" Foeste, "who never a fight has lost" ???, resulted in a decision on points for "Full Count". The bout consisted of three 3-minute rounds and wasfought at a furious paco. Although not belittling "Fu?? Count's" prowess, we feel confident that if the "Duke" had undergone a longer period of training the decirion light easily have been reversed.

Unfortunately, owing to unforesee circumstances, the tournment school-uled for this Saturday evening has been cancelled. However, we are all eagerly looking forward to the return bout between "FullCount" and the "Duke", which is to be staged a the official opening of the "Boor

Garden", next Saturday night.
With the "atmosphere" more to his
liking, and from "inside" information

Excerpts from "Pensioner's Problems".

I camet get sick pay. I have six children, Can you tell me why this 19 80 %

mrs. Erown has no clothes for a ; --- and his been regularly visited the clerey. Can you do scriething ?.