

Work has begun on the ambitious scheme to raise the German fleet, scuttled June 21, 1919, at Scapa Flow. If it proves successful, the raised ves- to eight or nine years. sels are to be broken up and sold as "scrap." Clair Price, writing from that even the teak lining of their armour-plate will be salable, for it can will have to be abordered. The Hindenburg that in the officers' rooms and the chamcoast, and, with a favouring wind, be used in the making of parquet will have to be abandoned. The Hin- years of submersion, however, had flooring. Operations, Mr. Price tells denburg lies on an even keel in sixty- made the big battle cruiser a jungle us, are still in an experimental stage, six feet of water, its turrets, guns and of seaweed, barnacles and mussels. The British Admiralty has sold two funnels above water, its main deck Seaweed was found trailing to fifteen of the scuttled battle cruisers, the awash at low tide. The Seydlitz pre- foot lengths throughout the ship. Hindenburg and the Seydlitz, each of sents a more difficult salvage job. It Sand and mud had drifted through 27,000 tons, and twenty-four destroyers, presumably of 1,000 tons each, to in sight above the water. the London iron and steel firm of Cox &Danks. The vessels have been sold years ago, these German ships have it was approaching the scrap stage they are to be broken up in the Un-.

have bought. That they believe it is alty's present action has been taken der its engine-room to locate its seapossible is shown by the fact that upon its own initiative, the proceeds cocks.

"The Hindenburg and Seydlitz have Two divers began an examination lies on its side, about a third of it is the portholes in huge heaps. The ship

as they lie, on the bottom at Scapa, figured intermittently in the proceed- before it was scuttled. alty has imposed is that, if raised, and the Supreme Council. The Council cess of its raising is to be the closproceeds to be divided among the Al- es. This will not be an easy task, "The purchasers expect to know lies. The proportion which each Ally for the purchasing firm has no plans before the year ends whether or not was to receive, however, has never of the ship, and the divers will have it is possible to raise the vessels they been decided upon, and the Admir- to burrow down into the shingle un-

Raising the German Fleet they have already spent the equival- going to the Admiralty itself.

ent of \$150,000 on preparations to "The contract under which the purraise them. If it does prove possible, chasers have begun work involving the rest of the scuttled ships are to the raising of more than 60,000 tons, be raised. How long this will take one of the biggest salvage jobs ever is problematical. It may easily run undertaken, and one of the most dif-

in which they lie. If it proves impos- found it still intact, even to the bunks "Ever since they were scuttled, five when it was surrendered in 1918, and

ings of the Reparation Commission "The first operations in the procil agreed in principle that they ing of all its sea inlets with wooden should be raised and broken up, the plugs and concrete and metal patch-

> "When all inlets have been plugged up, a steel tube six feet in diameter is to be sunk to the main deck. and bolted down. A hole is then to be cut through the deck with electric torches and similar holes are to be cut through the lower decks until the bottom of the big cruiser is reached. electric pumps, capable of lifting 5,lowered into the vessel, and the work

of pumping out will begin. Whether the divers have succeed ed in finding every sea inlet will then be ascertainable. If the pumps are water in the ship the hull will have to be searched again for inlets. The task has considerable danger, for barnacles and mussles are sharp, and loose wreckage when disturbed some-

"Once the cruiser begins to lift of its own buoyancy its weight will be hrown upon its watertight bulk-And it remains to be seen hether the Germans succeeded in maging these before they scuttled he ship. If the bulkheads hold, the ship is to be carried toward shallow water on each tide until it is in a denient position to be floated lly. The chief difficulty in rocess is that the heavy top weight of the guns and turrets may make it impossible to keep the ship on an even keel. As soon as it can avy top hamper is to be taken off."

ther big ships. In his opinion the aburg is the crux of the probem. If it can be raised, he believes he problem of raising the other big at Scapa Flow will virtually be

"The twenty-four destroyers are exected to prove a much simpler undertaking. Some time ago Cox & Danks bought from the Admiralty the big floating submarine dock that the Germans surrendered at Harwich. This 400 foot dock was towed to Scapa Flow and cut into two pontoons, each ped with its own machine shop. The plan was to range these two ponoons, one on each side of a scuttled destroyer, to fasten steel cables beneath the destroyer's hull and heavy lifting hooks in its portholes, and to haul it bodily to the surface with the winch gear. With an even break in the luck, it was hoped that a couple. of days would suffice to bring up a destroyer in this fashion, but thus far luck has broken badly.

"The destroyer V-70 was chosen for start. Its funnels and masts were taken out, its bow and stern were lifted alterantely, and heavy tackle was passed round its hull. The was passed round to lift it bod-winch-gear had begun to lift it bodily from the bottom when a cable snapt under the tremendous dead weight. Three more cables parted immediately and later the last two cables gave way, their broken links raking the decks of the pontoons like shrapnel and sending the workmen rushing for cover. Mr. Cox said afterwards he had succeeded in lifting the destroyed seven feet off the bot tom and he hopes to make another attempt in a fortnight's time.

"Work is beginning also on another destroyer. Here the process will be different. Concrete barges have been placed on both sides of the sunken vessel, the two barges connected by heavy steel girders to which the lifting tackle is attached. It is planned to haul it taut at low water, allowing the tide to lift barges, tackle and submerged destroyer so that the whole works can be towed toward shallow water.

"About 70 workmen are now en gaged at Scapa Flow. Before winter interrupts work it is planned to have 100 men on the job."-Literary Di-

### Massing of the Birds

PREPARING FOR WINTER QUAR-

TERS-FLIGHTS OF 5,000 MILES. The autumn migration of birds, ooth to and from the British Isles. will soon be in full flow. People already are noticing the gathering of swallows and martins on barn roofs and telegraph wires, which is evidence of the unrest that precedes the

journey. The swift and the cuckoo have long gone south—to Africa. The warblers are going now, and

points on the Dorset and Devon coasts especially, where the journey numbers of birds. Start Bay, in South Devon, is one of them.

While the birds which travel to leaving us. others, fleeing the rigours particularly Norfolk, is the chief arlarks, starlings, woodcock, plovers rooks, crows, various northern duck and many others winter here. A north wind will bring them in hosts. from Northern Europe migrated to England in the autumn until captured birds were ringed on the leg and

The swallows now gathering will go to South Africa. Ringing in their case has established the fact of great migrant flights, such as from Berkshire and Lancashire to Cape Province, Yorkshire to East Griqualand, Staffordshire to Natal.

### DO NOT DELAY!

While your mind is alert and active is the time to make your Will. Do not wait until you think you are going to die. Consider now how your Estate will be distributed and managed. Confidential discussion of this

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