



Sir Harold Bowden, chairman of Raleigh Industries, unveils a plaque at the new London cycle depot

NEW STURMEY - ARCHER
HUB GEARS WITH LIGHT
ALLOY SHELL.
LONDON DEPOT OPENED

Raleigh Industries Developments

MANUFACTURE of variable hub gears fitted with light alloy shells is the latest technical development by Sturmeley-Archer Gears, Ltd., Lenton, Nottingham, a subsidiary of Raleigh Industries, Ltd. Produced by their research engineers, these new shells have been subjected to exacting tests under all road conditions before being placed on the market.

These new shells save over 4 oz (about 120 gm) in weight compared with the steel hub shells formerly used, and the steel shell weighs about three times as much as its successor. In modern light-weight cycle construction this saving is an important one that will be appreciated by many riders.

For the time being the alloy shells are only available on two new hubs that have been introduced, the FC and the ASC. The former is a four-speed unit similar to the pre-war AF, and incorporates a stronger axle and a more positive type of low gear change. The ratios given are 25 per cent decrease; 10 per cent decrease; direct drive; and 9.1 per cent increase. It weighs 2 lb 7 oz (1,065 gm) without the control, the trigger change lever weighing an additional 6 oz (170 gm).

A second new hub gear with an alloy shell is the ASC fixed three-speed. Apart from its obvious utility to those disabled riders who are compelled to use a fixed gear for safety's sake, it will find a ready market among the dyed-in-the-wood fixed gear enthusiasts, of whom there are still many. Ratios given are a 25 per cent decrease; a 10 per cent decrease; and

direct drive. This ASC weighs 2 lb 6 oz (1,037 gm) without trigger control.

Also new to the Sturmeley-Archer range is the FM four-speed hub, a successor to a popular pre-war model with a stronger axle, a more positive low gear change and other detail improvements. Weighing 2 lb 11 oz (1,178 gm) without control, it gives ratios of 33½ per cent decrease; 14.3 per cent decrease; direct drive; and 12.5 per cent increase.

All usual S.A. sports features are incorporated on these three new hubs, such as trigger control, quick release, locked cones, splined sprockets and wing-nuts. Initial output will be reserved for export and for original equipment on cycles manufactured in this country. In accordance with their usual policy Raleigh are not retaining the new hubs for their own machines exclusively, but are sharing them fairly with other manufacturers.

In July, Raleigh Industries opened their new London depot and showrooms on the Great West Road, Brentford. Many overseas readers will recall the old depot in Holborn Viaduct, the latter London thoroughfare being the centre of the cycle trade for very many years. Like other cycle depots, this was destroyed during the war, and when performing the opening ceremony, Sir Harold Bowden, chairman, paid tribute to the London staff during those difficult times.

The new depot is in a spacious modern works formerly used on war production, and is admirably situated to serve the Home Counties and to give a welcome to overseas visitors.

Sturmey-Archer leads again with

A NEW ALLOY HUB SHELL

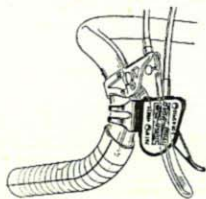
one-third of the weight of steel



**Once again
Sturmey-Archer
is responsible
for a major
advance in
cycle design**

Carefully manufactured from the most modern light alloy and processed by the finest precision engineering in Britain, these new hub shells have been fully tested under all conditions. They cut away 4 ounces of dead weight, making cycling easier than ever. This latest refinement keeps Sturmey-Archer where it belongs — far ahead in the field of variable hub gears for cyclists — with a complete range of close, medium and wide ratios to suit all types of riders.

These new shells are now in production and will be available first on the new F.C. and A.S.C. Hubs.
F.C.— Close ratio, 4-speed. A.S.C.— Medium close ratio, 3-speed, fixed gear.



The Sturmey-Archer Handlebar "Flick" Trigger Control changes gear instantly with a flick of the finger.

STURMEY-ARCHER

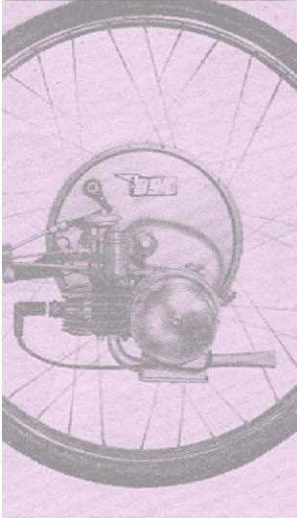
**The Original and Unrivalled
3- & 4-SPEED GEARS**

PRODUCTS OF RALEIGH INDUSTRIES LIMITED
NOTTINGHAM, ENGLAND.



S.T.96

IceniCAM Information Service



www.icenicam.org.uk