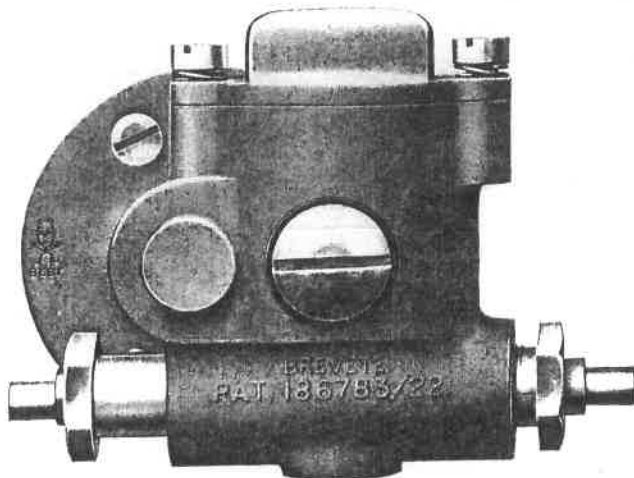


THE "BEST" MECHANICAL PUMP · Mark II

BRITISH PATENT NOS. 186783/22 AND 278283/27 · PATENTED ABROAD



No. 5061

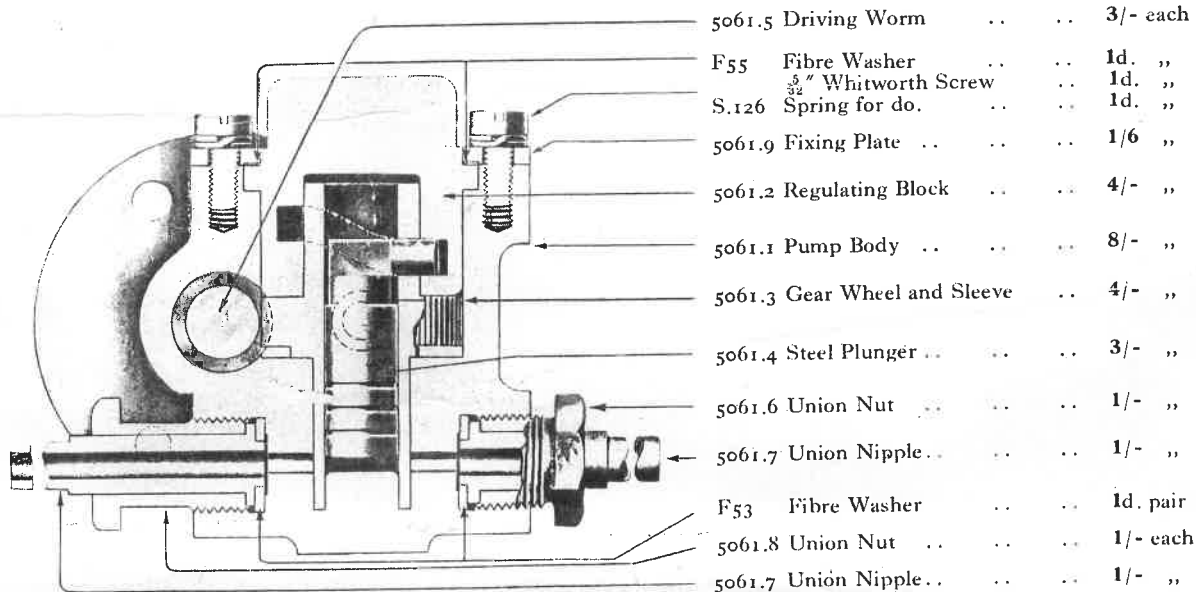
(ILLUSTRATION FULL SIZE)

For use with engines of more than 1,000 c.c. cylinder capacity. Pumps 500 c.c. of oil per hour at a maximum setting, at 1,000 r.p.m., and can be regulated to pump any less quantity required. Price 14/- each.

No. 5513. Consists of No. 5061 Pump with Tell-tale. Price 16/- each.

PART SECTIONAL DRAWING AND SPARE PARTS PRICE LIST

PATTERN No. 5061. For motor-cycles of more than 1,000 c.c.



SPARE PARTS NOT SHOWN ON ABOVE DRAWING

Reference No.	Description	Price
o	Front Inspection Screw, with Fibre Washer F.1	1/- each
1	Location Pin for Fixing Plate	1d. "
Reference No.	Description	Price
S.126	1" x 3/16" Fixing Screw	1d. each
	Spring for ditto	1d. "
	3/8" x 3/16" Whitworth Nut for ditto	1d. "

DESCRIPTION

(THE NUMBERS REFER TO THE SECTIONAL DRAWING)

The plunger (5061.4) is made to rotate and reciprocate in a sleeve (5061.3) by means of a lug, which forms part of the plunger. The lug moves in a fixed groove and slides up and down a slot in the sleeve. The rotary movement is imparted to the sleeve (plunger) by means of a worm wheel (forming an integral part of the sleeve) and worm (5061.5) driven from the half-time of the engine; this effects a gear reduction of 1-35. Instead of ball valves, we have a slot or port in the rotating sleeve registers with the supply port on the ascending stroke of the plunger and with the delivery port on the descending stroke. The flow of oil is regulated by turning the block (5061.2) in which the cam groove is cut. This has the effect of altering the "lag" or phase of the plunger stroke in relation to the opening and closing of the supply and delivery ports, thereby regulating the flow of oil to anything between its maximum and complete cessation. When the required adjustment is found, the 3/32 in. screws are tightened and the serrations in the fixing plate (5061.9) are pressed on to those in the cam block, fixing it firmly in position.

BEST & LLOYD LIMITED · BIRMINGHAM