

Manufacturers
of
Royal
Enfield
BICYCLES and
MOTOR CYCLES

## THE ENFIELD CYCLE COMPANY LIMITED

Your Ref.

Our Ref.

HEAD OFFICE AND WORKS
REDDITCH

WORCS. ENGLAND

Promise Mr. Willows ones.

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1000 10012, 1901

A complete machine with an engine of 7% ce capacity has been received from Westwood. This entra capacity is obtained by increasing the bore to 71 mm (4040 in oversize) and the stroke to 95 mm.

As received the performance was most disapp inting. Not only did the machine show no signs of being my flator than a standard Constellation with the mass not unempeted since the pistons were mide from standard eastings machined .040 in oversize. The entry weight of these together with the increased stroke increases the inertia forces even supposing that the standard balance factor has been achieved.

What was surprising was that acceleration in top seemed such worse than standard. On we occasion the machine failed to respond to opening the trottle from about 50-55 m.p.h. and its speed up Hopsecd Hill on full form with the Tilly on board was about 55 m.p.h. which is the speed normally reached by 350 Bullet.

to make up for this, the ignition was timed at \$732 in always (25 on the 98 mm stroke) instead of the normal of in (34 of the 90 mm stroke). The engine showed no signs of "pinking" in spite of its high compression ratio. The timing was therefore alvanced to the (38% on the 95 mm stroke) to

## Report of Tests n "750 Twin" Machine

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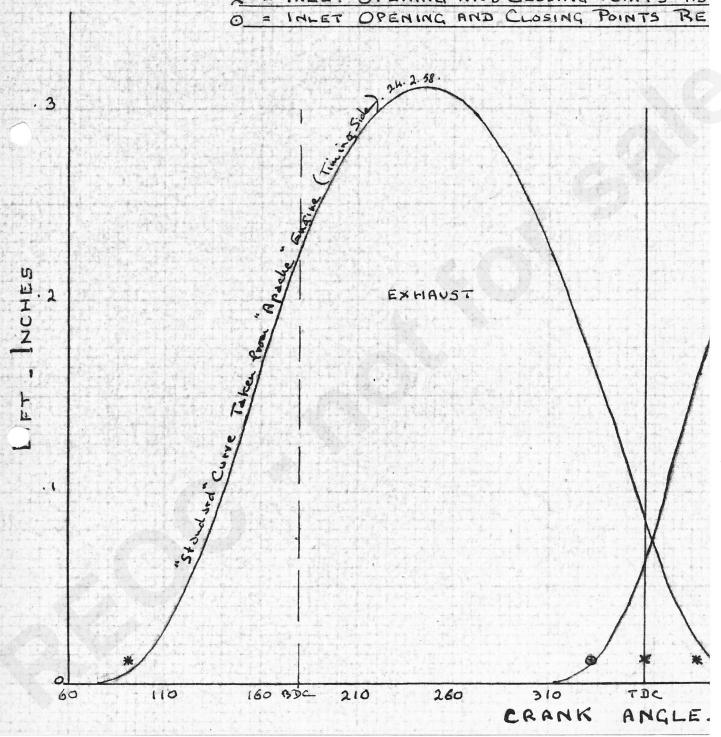
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## THE ENFIELD CYCLE CO. LTD. R

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\* = EXHAUST OPENING AND CLOSING POINTS

X = INLET OPENING AND CLOSING POINTS AS



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