

from the Press Office

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PTO  
NSU (GREAT BRITAIN) LIMITED



281060

ROTARY ENGINE MODEL  
AT MOTOR CYCLE SHOW

Highlight of the NSU stand at the MOTOR CYCLE SHOW (Earls Court November 12) will be a working model of the revolutionary NSU-Wankel rotary engine.

Since the initial, world-wide stir caused by the announcement of this engine, arguments have raged about its exact method of operation, the assessment of its capacity rating and its advantages in terms of efficiency.

Now, the public will be able to see exactly how it works. For the inventor Felix Wankel and the man who has been responsible for its development, Dr. Froede, have devised a plastic model which shows all the working parts, and in which the triangular rotor turns in its trochoidal cylinder in precisely the same way as in the actual engine.

NSU recently reported "considerable progress" in the development of rotary engines in capacities ranging from 125 to 1000 cc, all of them showing a power output under test conditions of 100 b.h.p. per litre.

Cars powered by these units have been on test for more than a year. The next stage will be the application of smaller units to motor cycle and scooter propulsion. Will the next Show see a rotary motor cycle on display?

"You never know", is the reply of the NSU research organisation.

ENDS

WITH COMPLIMENTS  
Victor Winstone

PTO

COST — ~~High~~ For cheaper and large quantities produced.

SIZE —  $\frac{1}{4}$  size of conventional engine of same power

ECONOMY — ~~Low~~ - ~~cost~~ fuel  
- 25% better ~~fuel~~ consumption for.

NOISE — ~~No~~ ~~noise~~ ~~at~~ ~~all~~  
No vibration  
Lubricated with 2-stroke

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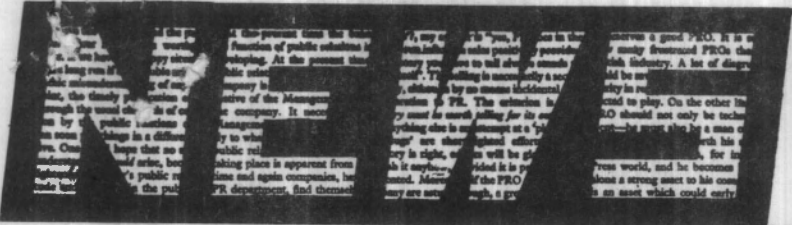
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11/10

WITH COMMENTS  
Victor Winston

X-FHWP01



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The Editor,

November 11, 1960.

THE HONDA 50 MOTOR CYCLE FOR  
BRITAIN

50 cc. Machines for Connoisseurs

If ever those 'top people' who read a certain newspaper completely desert their Rolls Royces and Bentleys to put their faith in something cheaper and quicker to beat London's traffic jams, they will do well to consider Japan's latest example of engineering ingenuity - the Honda 50 lightweight motor cycle.

/more follows.....

The Honda 50 which is on show for the first time in Britain on the Scootamatic stand (number 83) at the Earls Court Show has an amazing specification and performance for such a low capacity machine. The single-cylinder air cooled four stroke 50cc. engine produces an amazing 4.5bhp. at 9,500 rpm. and a top speed in excess of 45 mph. An automatic clutch and starting button, foot rests, front and rear suspension and a host of other features go to make it the classic performer in its class.

Using petrol as opposed to a mixture of petrol and oil the engine will give almost 250 mpg. at cruising speeds.

The smooth working automatic centrifugal clutch ensures smooth power take-up and gear change is made easy by the simple foot control. The Honda is equipped with 17" spoked wheels, headlamps, tail light and stop light. Interesting innovations are the winker lights on the handlebars and rear fenders.

/more follows.....



Despite its streamlined covered-in appearance and many accessories, the complete machine weighs only 121 lbs. It is equipped with a centrestand and dual seat.

The Honda 50 will sell in Britain for £99. 15s. Od. including purchase tax and it is hoped that supplies will be available this year. A specimen engine loaned by the Honda Motor Company of Tokyo is on display on the Scootamatic stand.

- end -

(Specification attached)

2744 P0

HONDA 50

Lightweight Motor Cycle Specification

Engine	Overhead valve; single cylinder air-cooled four stroke.
Bore & Stroke	40mm. x 39mm.
Cylinder Capacity	49cc.
Compression Ratio	8.5:1.
Brake Horse Power	4.5bhp. at 9,500rpm.
Ignition	Flywheel magneto. Battery 6v 2amp.
Carburettor	Keihin. DP 13 HOV.
Clutch	Multiplate, automatic centrifugal.
Transmission	Three speed constant mesh gear box. Foot control.
Tyres	17" front and rear.
Bulbs:	Headlights 6v, 10/12w. Rearlights 6v, 2w. Stoplight 6v, 3w. Signal lights 6v, 8w. (handlebars & rear fender).
Overall Length	46½".
Overall Width	22½" at handlebar.
Overall Height	37".
Wheelbase	46½".
Ground Clearance	5½".
Petrol Tank Capacity	Nearly six pints.
Weight	121 lbs.
Maximum Speed	45mph.
Fuel Consumption	254mpg. at 16mph.
Brakes	Internal expanding (front right hand operated, rear foot pedal).

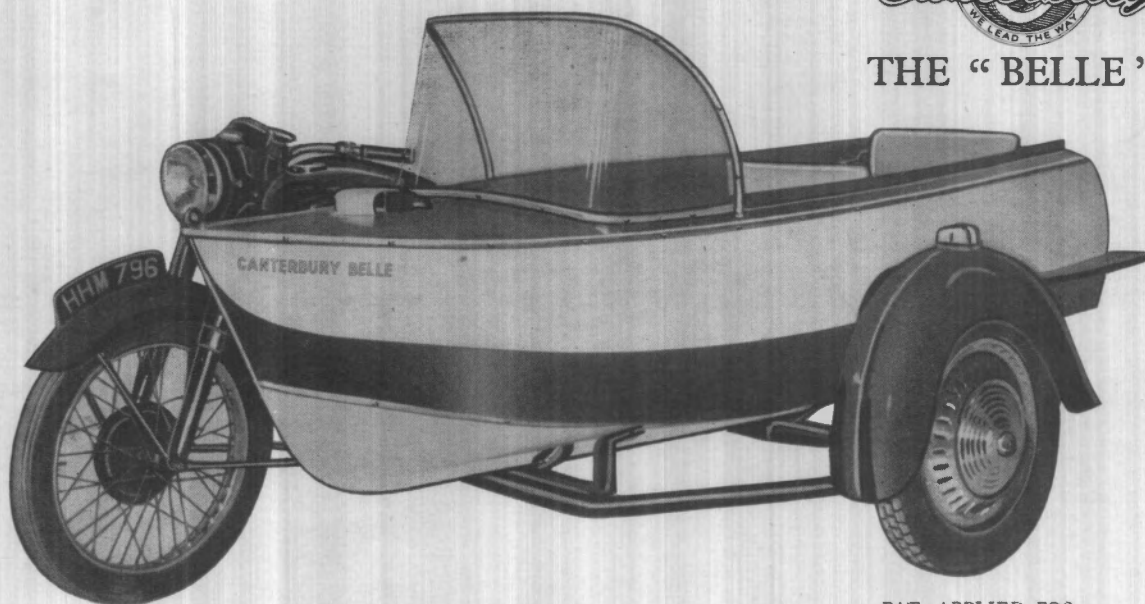
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