

WASTE RUBBER & R. WOOLF & CO., 270, MILE END ROAD, E.

For Present Prices see first "Trade Card" Advertisement inside.

THE CYCLE AND MOTOR CYCLE TRADER

FOR THE TRADE ONLY

Registered at the G.P.O. as a Newspaper.

November 30, 1906.

From this it issues into the wall through a series of small holes bored at intervals in the wall.

JOHN MARSTON, LTD., SUNBEAMLAND, WOLVERHAMPTON. (125)

The Sunbeam, with its little oil-bath, is one of the attractions of the show. Its staging, as usual, is quietly effective. The principal novelty in the Sunbeam for 1907 is the new three-speed gear fitted to the Standard Royal Sunbeam, selling at £17 17s. This three-speed gear differs from others on the market in that its principle consists of two trains of epicycloidal pinions always in mesh. To obtain the normal gear, a dog-clutch lockment binds the two central pinions together, when the whole mechanism runs solid, and the gear runs on the central or normal speed. To bring in the low gear, one of the centre pinions is set free by another movement of the dog-clutch, and to bring in the top gear the low gear central pinion is locked and the other is set free. The manner of operation would require a diagram to explain. The mechanism is neat, and operates through a cable from a ratchet-quadrant on the top tube of the frame, the immediate change being effected by a spring-controlled piston, formed on a continuation of the axle outside the forks. A free-wheel is given through the medium of an ordinary Villiers free-wheel clutch. The ratio of speed is 33 per cent. increase and 25 per cent. decrease from the normal. Another feature on the Sunbeam is a new section of steel rim with a centre groove, which greatly stiffens it laterally. The spokes are slightly splayed in the rim, and it is claimed that the wheel is considerably stronger than the ordinary centrally spoked type. Another fitment is the screwed-in end to the celluloid handle grips. These permit the cavities in the handle-grips to be used to house completely the tyre-repairing outfit. The only other alteration from last year is the employment of regular standards for frame sizes, which are now built in 22, 24, 26, and 28in. sizes, the handle-bar being now seven-eighths of an inch diameter, instead of 15-16ths. The two-point back-peddalling Sunbeam brake can now be very easily put out of gear to permit the machine to be wheeled backwards by simply turning a milled nut governing the trip gear in the bottom bracket.

MICROMETER ENGINEERING CO., LTD., COVENTRY (110)

A number of machine



Catalogue number SBM03
Price code A
Date 25 August 2020

IceniCAM Information Service