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THE BICYCLE

Around the Trade . . .

Sturmey-Archer Close Ratio 2-Speed

Sturmey-Archer have recently introduced yet another Sturmey-Archer gear, the Model T.C., a close-ratio two-speed, available with fixed or free wheel. This new gear has been introduced as the result of a consistent demand by clubmen for a close-ratio two-speed, so that its reception by sporting riders would seem to be assured.

Externally, the new gear is similar in appearance to the Standard three-speed hub, but the internals naturally differ in several respects. All pinions are machined from nickle-chrome steel,

hardened and tempered to give sweet running and long life, whilst care is taken to exclude all mud and grit, so that the gears run in their oil with the absolute minimum of friction loss.

The hub gives a direct frictionless drive on normal gear, whilst low gear provides a gear reduction of 13.46 per cent., which is equivalent to a sprocket difference of two teeth. Every device facilitating quick detachability is standardised on the hub. This includes lock nuts for both cones, so that the adjustment of the bearings is not affected by the removal of the wheel, while quick-release connection is fitted to the

gear control wire to enable it to be disconnected without altering the adjustment of the control. The wing-nuts are of the special Sturmey-Archer design.

The "T.C." two-speed close-ratio hub, while designed as a fixed gear, can be supplied with a Sturmey-Archer free wheel splined to fit the corresponding splines on the splined driver. There seems no doubt that this new gear will have a large appeal to the keen rider and the racing man. The price is 22s. 6d., fixed or free, when supplied separately (fitting is extra) or 20s. when fitted on a new machine.

Bates Bros. Travelling Accessory

Messrs. Bates Bros. have recently brought out a useful new

line which amongst It is an shaving brush, bath be used pyjamas and other ing. Be keeps d other an keeps g and unc clean. A the bag

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