

ten units of movement of the unit wheel, instead of the normal nine units. A pinion mounted on a suitable bracket meshes with the unit wheel. This pinion has graduations engraved upon it at intervals of 10 teeth. A unit indicator is provided with this pinion assembly so that the usual readings may be made when required.

The attachment is fitted to the machine in the following manner:—

Place the em rack pointer a4KB3 at zero, noting that zero is also registered on the unit indicator b25KB1. Take out the two screws a9KB3, and remove the standard em scale e9KB1. Fit the attachment scale b9KB1 on to the em rack slide b5KB1k, and see that the two em scale clips a9KB5 are in position before tightening the screws a9KB3. The zero graduation on the scale b9KB1 must register with the em rack pointer a4KB3.

Turn off the air supply and remove the restoring rocker arm link 24KB3. Place the unit indicator bracket 86KB1 upon the machined face of the standard cap so that the dowel pin 86KB2 enters the right-hand tapped hole in the face, and the screw 86KB3 enters the left-hand tapped hole. The unit wheel and em rack pointer must still be at zero, and zero should be registered on the unit indicator vernier 86KB7 with the unit indicator pinion 86KB4 meshed with the unit wheel b35KB1. Adjust the position of the bracket 86KB1 before tightening the bracket screw 86KB3, so that the unit indicator pinion 86KB2 meshes with the unit wheel b35KB1 with just a minimum of play evident between the teeth of both. This play must exist at all positions of the unit wheel b35KB1. If the meshing is too tight, bad registration will take place and wrongly justified lines will result. Test this freedom of meshing by turning on the air, hold the unit wheel pawl clear of the unit wheel by hand and actuate the reversing valve lever bell crank a36KC2, also by hand, so that the unit wheel revolves very slowly. In response to the movements of the bell crank a36KC2 the wheel should revolve freely and smoothly backwards and forwards, with the pinion 86KB4 revolving with it.

Replace the restoring rocker arm link 24KB3, with its washers and split pins.