For the left side of Duplex keyboards the pointer should indicate about 3 unit columns on the scale to the right of centre, whilst for the right side, the pointer should indicate about 6 unit columns to the left of centre.

Turn unit wheel b35KB1 until em rack pointer a4KB3 is exactly 4 ems from zero (see that a graduate mark on unit wheel is opposite zero on unit indicator). In this position pointer g14KB1 should indicate the scale constant column (column numbered zero at bottom of justifying scale). If this is out more than $1\frac{1}{2}$ vertical columns, adjust as follows:

PROCEDURE

Remove justifying scale, screw a46KB33, washer a46KB34.

Hold the pinion b13KB1 firmly and lift the gear 12KB1 until its teeth are just clear of those of the pinion. Turn the pinion b13KB1 one or more teeth in the required direction, then remesh the gear 12KB1.

CAUTION

Do not release the pinion b13KB1 whilst making this adjustment or else the tension of spring 13KB6 will be lost.

NOTE. The distance from one tooth to the next on the pinion b13KB1 corresponds to three vertical columns on the justifying scale. Therefore, by meshing the pinion b13KB1 with the gear 12KB1 as described, the scale can always be brought to within $1\frac{1}{2}$ vertical columns of the exact position required.

Put on the scale and test the adjustment. If it is still out, but not over $1\frac{1}{2}$ vertical columns, finish the adjustment by means of the sleeve a11KB4, loosening the nut b11KB5 and screwing in or out the sleeve a11KB4. (Hold the sleeve with a wrench when loosening the nut.)

To move the vertical columns to the right screw the sleeve a11KB4 away from the rack a11KB1.

Tighten the nut b11KB5 against the rack a11KB1, while holding the sleeve a11KB4 to prevent its turning. Replace the screw a46KB33 and washer a46KB34.

Test the adjustment by striking 9-unit characters and note if the justifying scale registers correctly all the way to zero. If there is any variation, readjust slightly to equalize this.