



Cornerstone numbering machines

dismantling

Set all wheels to number 5 with pencil-shaped tool supplied. Hold machine with plunger on left. With long end of aluminium axle ejector, push main axle through to plunger side, from right, as far as it will go.

Remove axle ejector. All six wheels can now be rolled out as a unit away from you with a stroking movement of the thumb. Finally, pick out repeating disc.

REPEATING DISCS & 10-TIMES WHEEL
To change these without disturbing number wheels, insert short end of axle ejector, so pushing main axle part-way out; withdraw ejector; make the change. Push main axle back.

assembling

PLUNGER AND ACTUATING PAWL ASSEMBLY. Insert plunger in slot, with the small projecting part facing inwards. The two springs in base of plunger will prevent it going in far. Take actuating pawl assembly: both right-angled ears are drilled, one with a keyhole shape. Slip keyhole over cam projecting from plunger, then push plunger down with left thumb. Anchor plunger and pawl assembly with rounded end of main axle from right.

FIGURE AND 10x WHEELS. All except one of a set of figure wheels have sinkable noughts. The wheel with no sinkable noughts (this wheel is thicker than the others) is set furthest from the plunger. Arrange all wheels with ratchet surfaces to right, and hold them between finger and thumb as a unit. Then, holding machine with plunger to right, ease the set into position against the pressure of the spring-loaded comb. Prevent actuating pawl assembly from swinging inward. Insert long end of axle ejector to align wheels: then, from plunger end,

press home main axle (which will push out ejector) so that axle key engages in keyhole cut in body of machine.

Check that pawls are resting on ratchet surfaces, NOT on figure faces.

REPEATING DISCS. Holding the machine with plunger on right, the disc is inserted on extreme left. Stamped figures should face away from plunger. Consecutive discs are marked with an arrow and notch which should be upright, pointing towards top dead centre. Insert disc separately, after inserting figure wheels: it will stay clipped in position until the axle is inserted.

Check that pawl engages with repeating disc's tooth near top dead centre.

notes

NEW MACHINES. Do not use any underlay—the machine is exactly right height. Shims supplied with each machine are fastened down with tape where the platen or cylinder makes contact with the plunger, so obviating damage to packing and giving even movement.

REPEATING DISCS are useful where numbers require repeating to save gathering costs. Repeating disc controls movement of the machine—gives 2x, 3x, 4x, etc.—but used in conjunction with INDEXING WHEEL in end position, whatever disc is in use will be multiplied by 10; i.e., 2x becomes 20x, 3x becomes 30x.

Cornestone oil pen

solves the problem of oiling numbering machines without getting a surplus. With the Oil Pen—which clips into your pocket—application of oil can be made from a drop the size of a pinhead upwards.