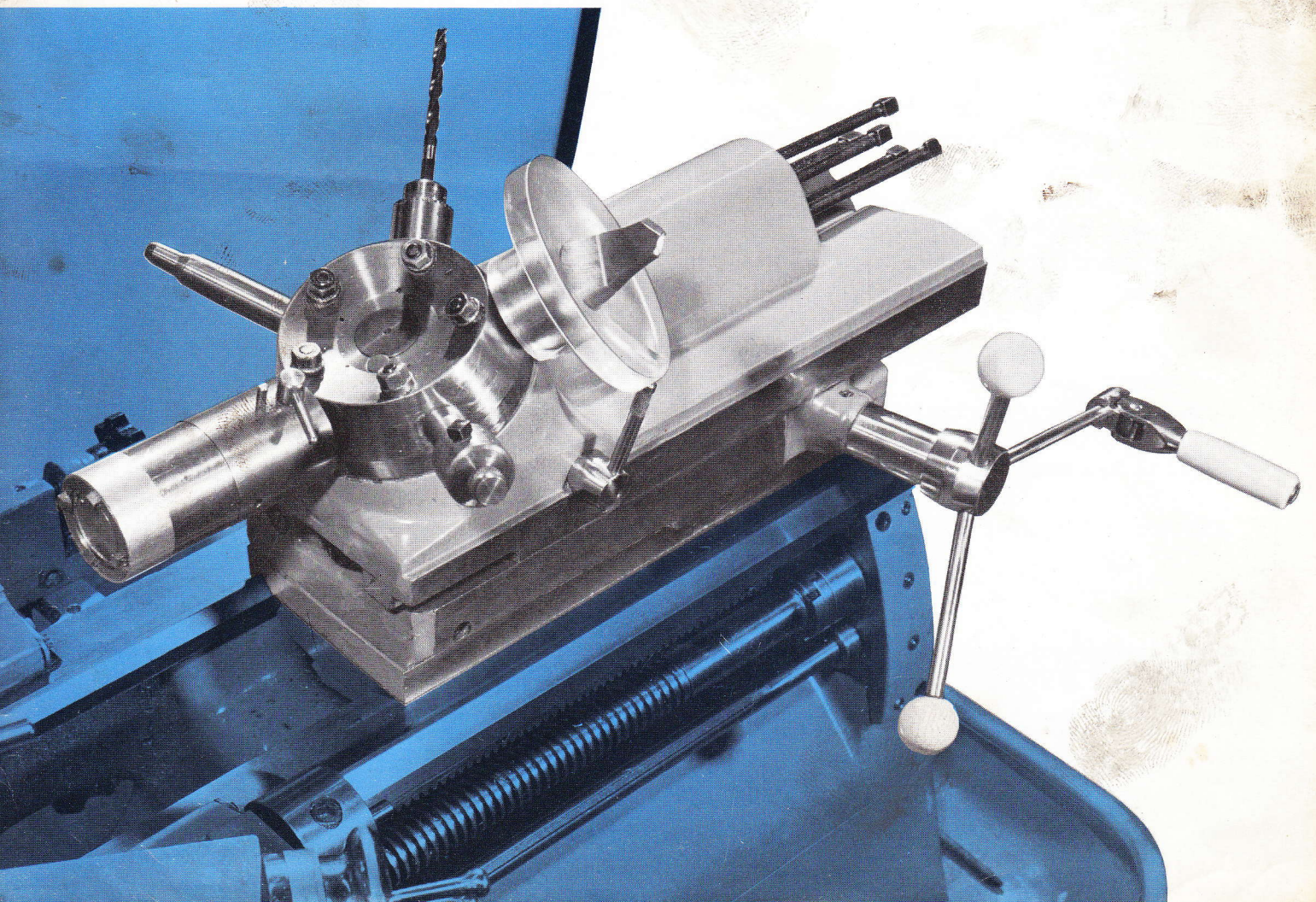


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THE COLCHESTER CAPSTAN UNIT

FOR INCREASED VERSATILITY





- ★ Converts a normal centre lathe into a capstan lathe.
- ★ Accepts standard single spindle auto tool holders with $\frac{3}{4}$ in. shank.
- ★ Can be fitted to Colchester lathes without modifying the machine or using additional fittings.
- ★ Is available for the 5in BANTAM and CHIPMASTER, 6in STUDENT and 6 $\frac{1}{2}$ in MASTER.
- ★ Max. working stroke.....4 $\frac{1}{2}$ in
Accuracy of indexing 4in from face of capstan.....0.0002in
Bore of toolholder holes..... $\frac{3}{4}$ in
(20mm on lathes built to metric specification)

THE COLCHESTER CAPSTAN UNIT

The Colchester five station manually-operated inclined capstan head is mounted on an intermediate slide and uses the existing tailstock ways on the bed. The intermediate slide may be clamped in position on the bed by two screws. Adjustment for wear and alignment is provided by two taper gib strips.

The capstan head is rigidly mounted and is carried on two pre-loaded taper roller bearings. It is indexed by returning the capstan slide to its starting position by means of the 3-star handwheel. Positive locking and location of the capstan head after each indexing is effected by an automatic spring-loaded plunger. The capstan head can also be rotated by hand if necessary.

Five adjustable screw stops allow for the separate adjustment of travel of each tool, the stops automatically indexing with the capstan head.

The Colchester capstan unit can be supplied either as initial equipment (together with tailstock) or for fitting to existing Colchester lathes.

When the unit is supplied for the 5in BANTAM and CHIPMASTER machines the tool holes will be finish bored and the unit may be mounted on the bed without further fitting or scraping-in.

The tool holes are also finish bored in the case of units supplied as initial equipment with 6in STUDENT or 6 $\frac{1}{2}$ in MASTER lathes. If the capstan unit is supplied for a machine already in service however, the bores will be left under size, so that they can be finish bored from the spindle.

For material chucking, the lever-operated Burnerd "Multi-size" collet chuck, is available. With this type of chuck, the stock may be fed forward without stopping the spindle, whilst the bar is securely gripped by multiple blades when the chuck is locked. Each collet has a capacity range of $\frac{1}{8}$ in diameter, so that the number of collets required to deal with all diameters from the minimum to the maximum is substantially reduced — a total of only 12 collets will cover all diameters from $\frac{1}{16}$ in to 1 $\frac{1}{2}$ in. Square collets are also available.



THE COLCHESTER LATHE COMPANY LTD.,
COLCHESTER ESSEX ENGLAND

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SOLE DISTRIBUTORS OF COLCHESTER LATHES FOR GREAT BRITAIN, NORTHERN IRELAND & EIRE: COLCHESTER LATHE (DISTRIBUTORS) LTD.

