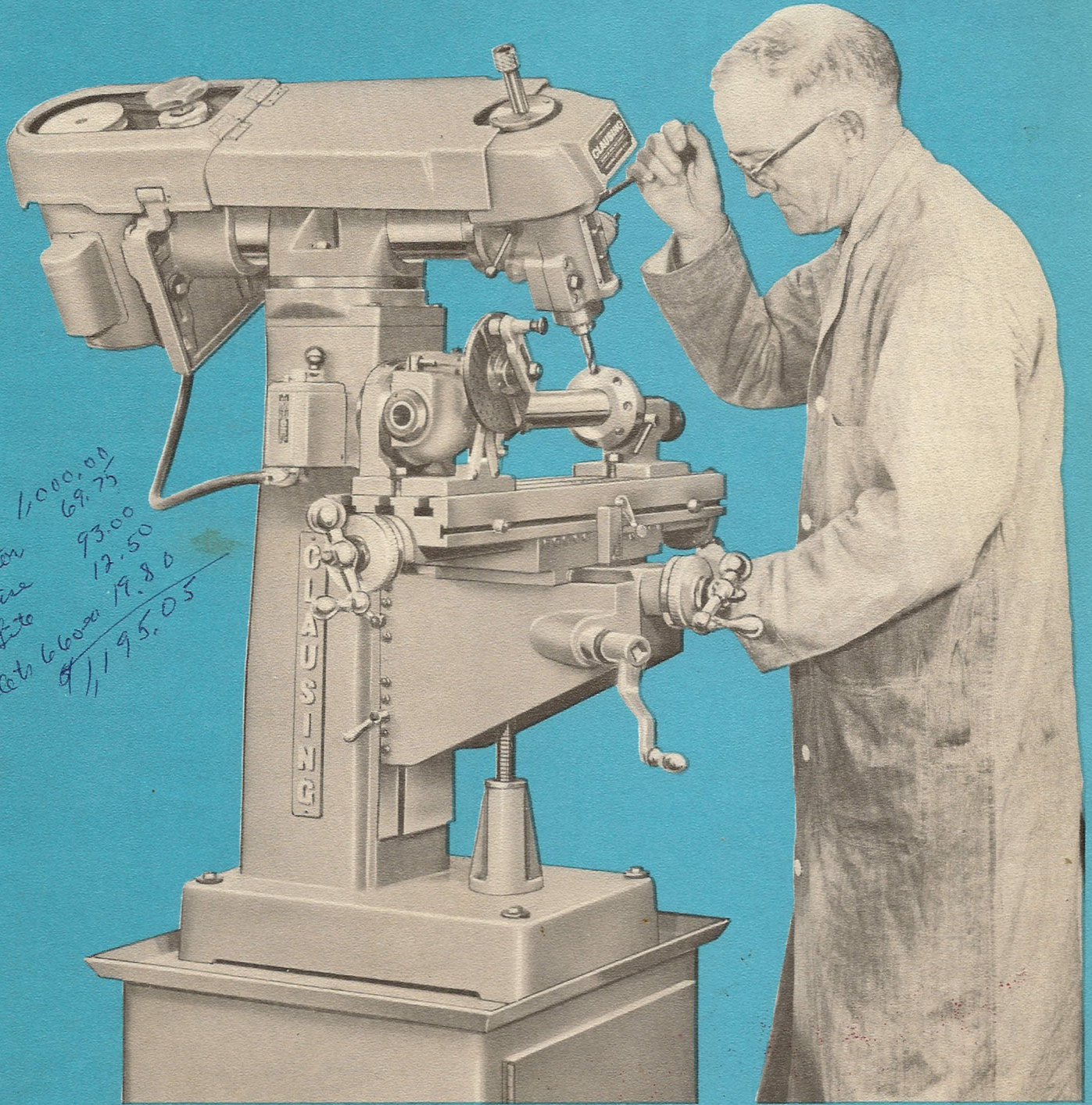


# CLAUSING

## vertical milling machine



8530 Mill 1,000.00  
Motor 69.75  
Vise 93.00  
Sleeve 12.50  
3 rollers 66.00 19.80  

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\$1195.05

YOUR  
CLAUSING  
DEALER...

# Unequaled accuracy

The Clausing is a precision machine tool built to tolerances that are tightest in the industry.

**WITHIN .0002"**

Spindle taper (internal) run-out is within .0002" at spindle nose.

**WITHIN .0005"**

Top of table perpendicular to column ways within .0005" in 6" travel.

**WITHIN .0005"**

T-slots parallel to table dovetails within .0005" in 6" travel.

**WITHIN .0005"**

T-slots square with cross slide dovetails within .0005".

**WITHIN .001"**

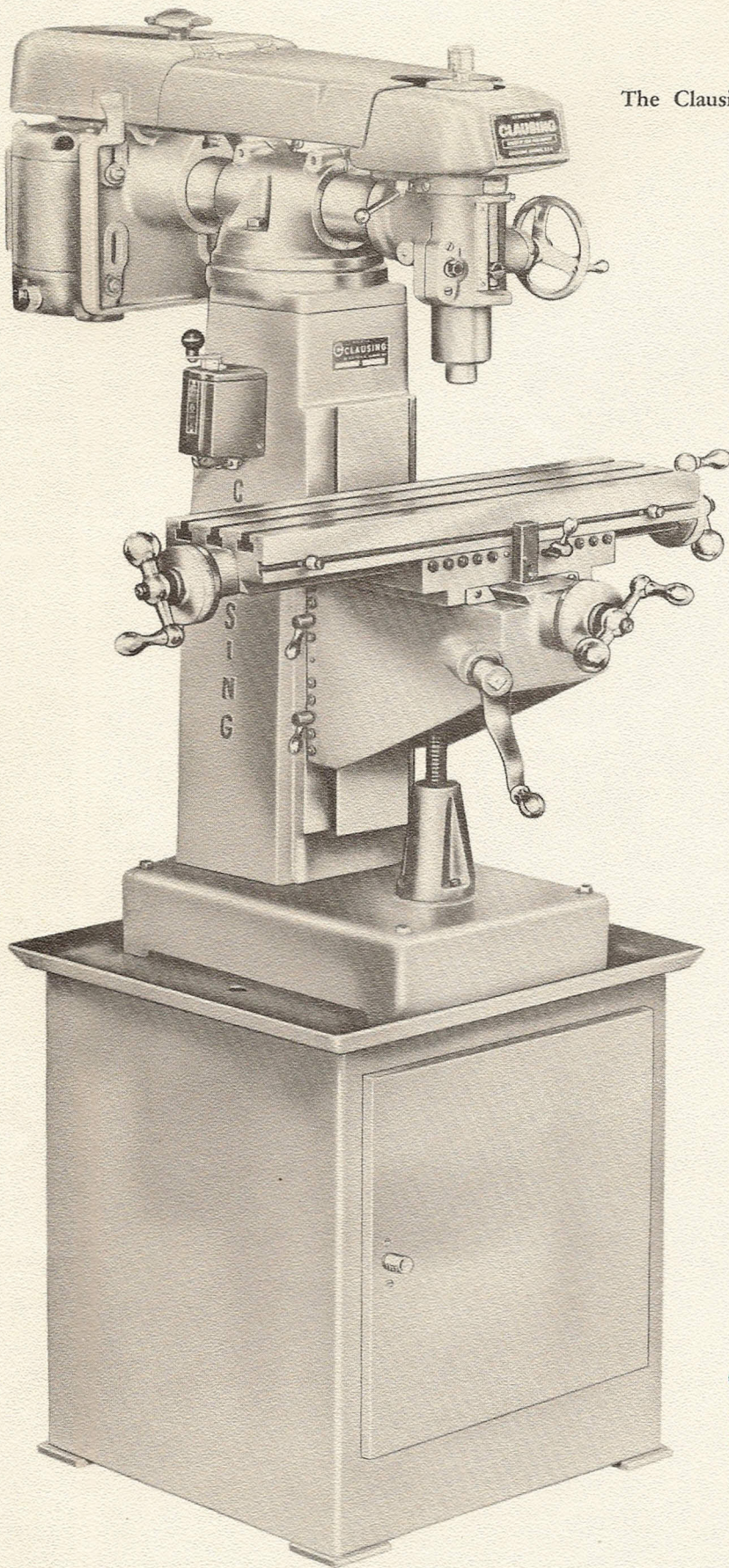
Table parallel to turret within .001".  
Spindle square with table, front to rear, within .001" TIR in 5" circle.

Thickness of cross slide bearing surfaces uniform to within .001".

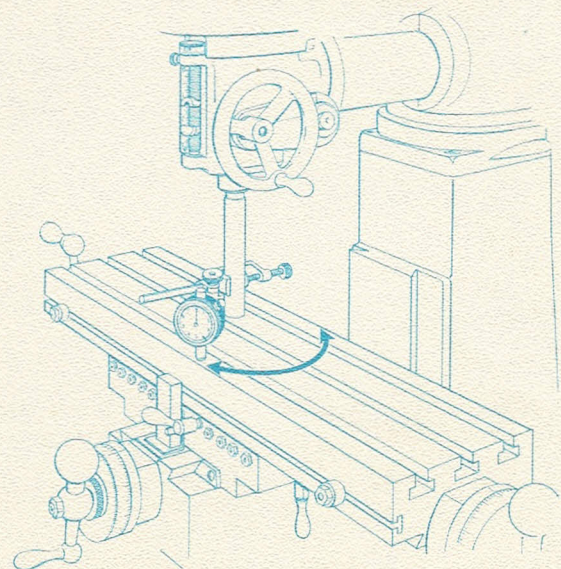
**WITHIN .0005"**

Table top parallel to dovetail ways within .0005" in 8" longitudinal travel.

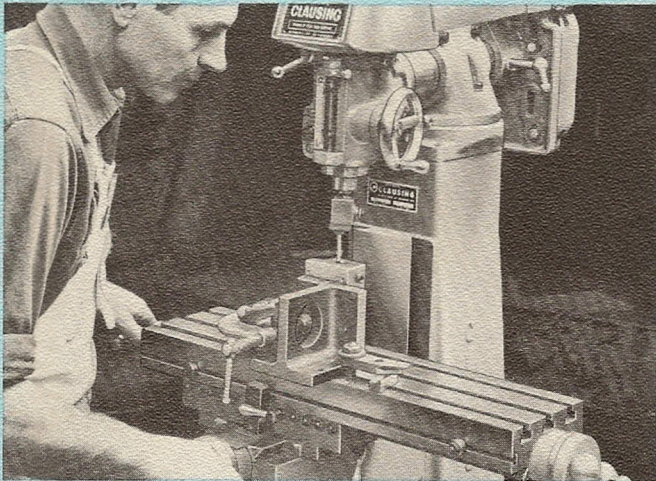
*"We use our Clausing's for jig bore work — in fact, any job that has to be on the nose is machined on a Clausing."*



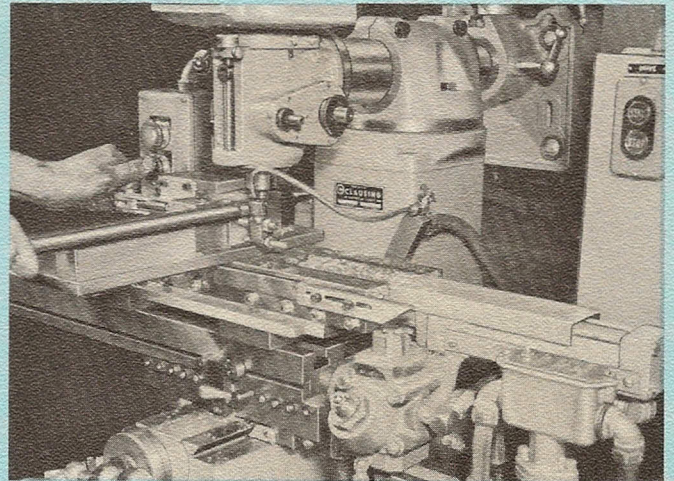
No. 8520 Mill illustrated with No. 8617 Guard



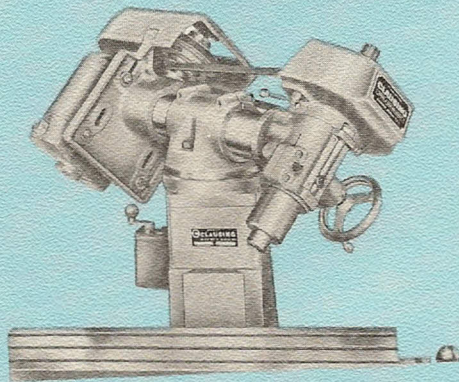
...for tool room



...for production



### EXCEPTIONAL VERSATILITY

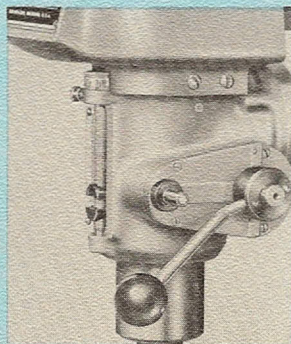
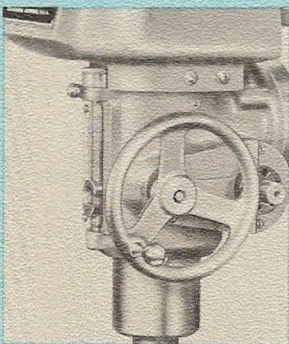


The Clausing drills, mills, bores, reams — at all angles — with one work setup. The spindle head swivels in a vertical plane, turret head rotates in a horizontal plane.

Countershaft drive with six speeds — 180 to 3250 rpm — efficiently handles a wide range of tools and materials. There are two spindle feed controls — a handwheel for fine feeds, a lever for fast feeds.

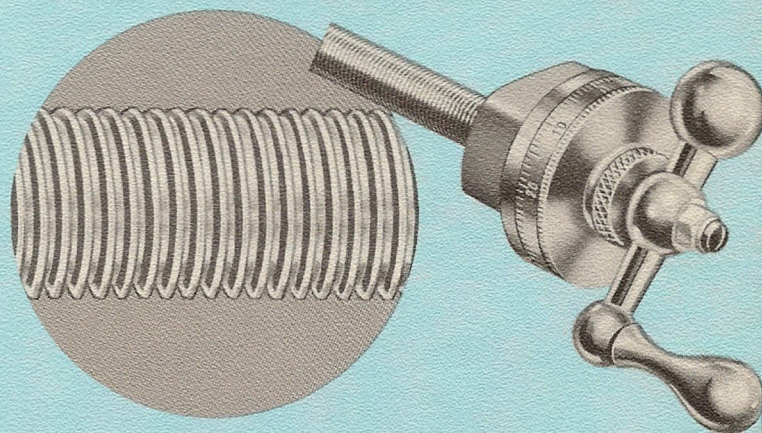
Positive stop with graduated dial provides accurate depth control. Lever brake stops spindle quickly.

And, for 'round-the-clock operation Clausing has — hardened chrome-nickel steel spindle, hard-chrome-plated quill with full-length bearing, wide dovetail ways with full-length gibs, solid cast overarm, fifteen ball bearings.



### SUPER SENSITIVITY

*"Clausing has the sensitivity you can't get in larger machines — and it is the easiest to set up, get around and operate of any mill."*



*Ground thread feed screws have gauge-tolerance lead accuracy —  $\pm .0005$ " within any two threads in three inches.*

Precision feed screws — with eight ball bearings — plus hand fitted ways provide the smooth action for *feel-control* of table, saddle and knee.

And, each quill is custom fitted — bearing surface is honed.

Clausing has the balance, sensitivity — whatever you call it when you feel the cutter working, and can transmit all your skill to the job.