

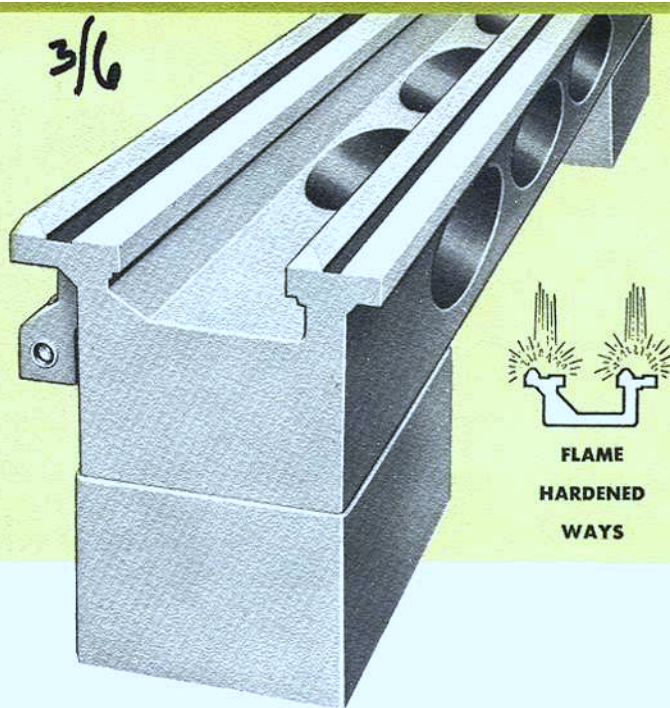
"ZERO PRECISION" BEARINGS — OIL-BATH LUBRICATION — SPEEDS, 52-2000 RPM

Spindle turns on Timken "Zero Precision" tapered roller bearings with tolerance of .00015". Forged spindle is chrome-moly steel — has L-00 tapered nose, 1 3/8" hole. Headstock is totally enclosed — gears, shafts, bearings and spindle bearings travel in a bath of oil.

The Clausing headstock has the design, construction, speeds, and power for top efficiency with today's metals and tools.

UNIT ENGINEERED — A CLAUSING EXCLUSIVE

Headstock, bed and pedestal are designed to form an integral unit — basic to Clausing's greater rigidity, capacity, accuracy and superior performance. Pedestals are 1/4" steel plate with welded reinforcements.



ELLIPTICALLY BRACED, PORTED BED

The Clausing bed is superior in every comparison:

Rigidity — Solid box end sections, angular way supports — plus elliptical bracing — put maximum strength where turning forces are greatest. V-ways have 70° angle — another Clausing exclusive that assures rigid alignment of carriage and tailstock under all loads.

Long accuracy-life — flame hardened V-ways and flat ways add years to accuracy and service life. Ways are precision ground to close tolerance after hardening.

Chip control — ports in bed slide chips to rear of pan, away from operator.

Dial to the rpm that does the job best

VARIABLE SPEED DRIVE

Dial while the job is running to the best rpm for the tool and material — no down time for speed changes with Clausing's infinitely variable drive.

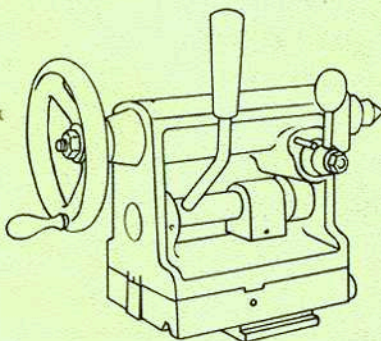
Speeds are changed hydraulically — from 52 to 280 in backgear, and 360 to 2000 in direct drive.

COG-BELT, COG-PULLEYS DRIVE SPINDLE

And only with Clausing do you get the benefits of a cog-belt, cog-pulley drive:

- tooth grip, not friction, delivers full power to spindle
- belt tension is at a minimum on spindles and bearings

BALL BEARING QUICK-CHANGE provides 54 right or left hand threads and feeds without change of gear train. Stack gear shaft and lead screw turn on lubricated-for-life ball bearings.



3 MT TANGED SPINDLE, CAM-LOCKS

No. 3 MT tanged spindle handles big tools, heavy loads. One movement of lever anchors tailstock to bed, or releases it.