

Hy-Draulic

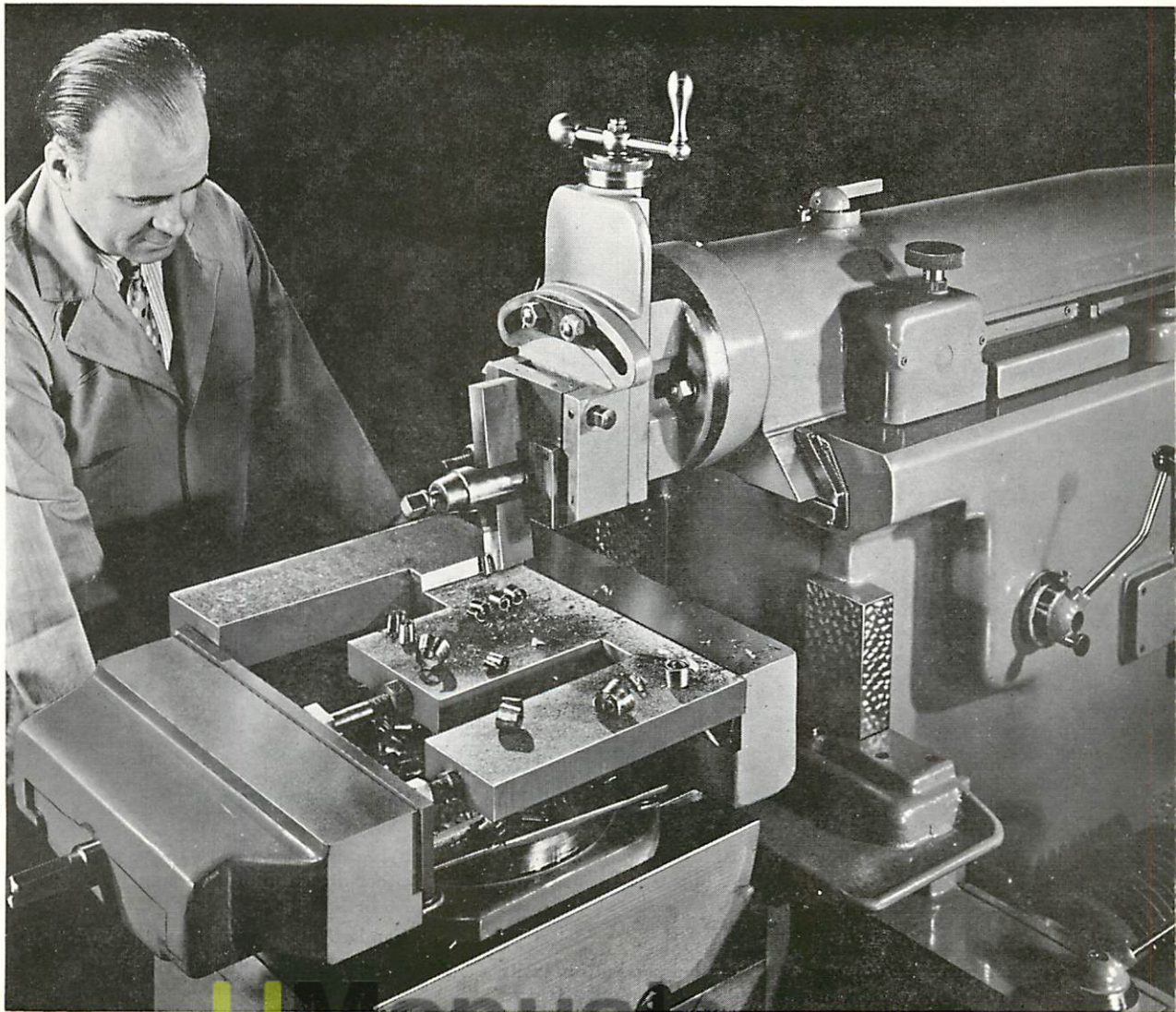
SHAPERS

16"

20"

24"

28"



Hy-Draulic

Reg. U. S. Pat. Off.

Shapers.. Planers.. Slotters.. Shaper-Planers
ROCKFORD MACHINE TOOL CO.

ROCKFORD, ILLINOIS, U. S. A.

Hy-Draulic SHAPERS

- Ram speeds, indicated on etched plate, are infinitely adjustable in designed range by conveniently placed lever.
- Built-in push button station enables operator easily to start and stop main drive and rapid traverse motors.
- Any cross feed whatever up to specified maximum can be obtained by turning the feed adjusting handwheel.
- Rapid traverse of work up or down, toward operator or away; and direction of cross feed; are all governed by two levers at end of cross rail. The top bearing on the cross rail is flame hardened and ground.
- Hand operation of table sideways and vertically is obtained with safety crank. Micrometer dials indicate exact settings, and amounts of feeds. These controls are duplicated on opposite end of rail.
- Heavy extended base provides solid foundation for column and outboard table-support.
- Outboard support for table is rigid, easily adjusted, slides on a hardened steel way.
- Table has widely separated bearings with ample area, latest type wipers to seal in lubricant and keep surfaces clean. The table may be removed and large work clamped directly on the apron.
- Single-screw vise is standard equipment. Off-set jaws permit holding work vertically.
- Established rate of cutting speed remains constant throughout the stroke. A unique Hy-Draulic feature, as indicated on page 2. Hydraulic tool lifter available as extra equipment permits use of carbide tools.
- Single-lever control for start, stop, and speed ranges of ram. This is duplicated on opposite side of column for operating convenience in starting and stopping ram.
- New control permits use of maximum return speed independently of cutting speed. With a flick of the wrist, the operator may select maximum return speed at all times, or vary the return speed with the cutting speed, for setups, indicating work, etc.

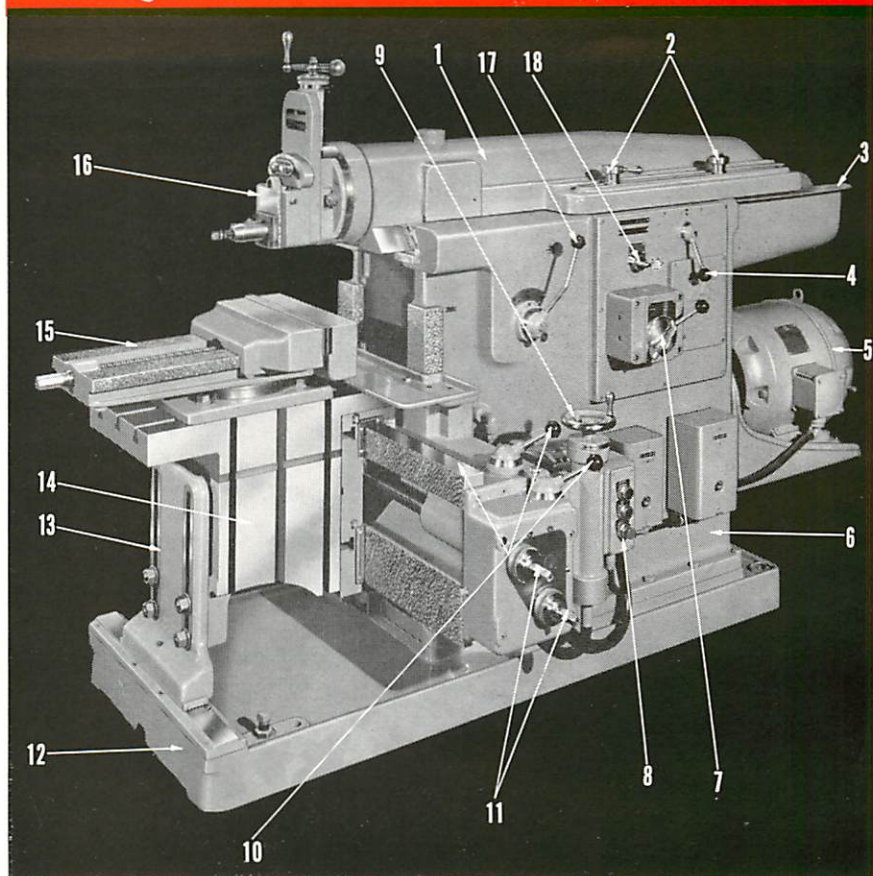


Fig. 8 — Hy-Draulic Shaper. Showing Grouping Of All Controls-

S P E C I F I C A T I O N S

Hy-Draulic Shaper	16"	20"	24" Special	24" Heavy Duty	28"
Stroke length					
maximum.....	18"	22"	26"	26"	30"
minimum.....	1"	1"	1"	1"	1"
Table travel					
horizontal.....	26"	26"	26"	30½"	30½"
vertical.....	11"	11"	11"	13"	13"
Vertical hand adjustment to Head.....	7½"	7½"	7½"	7½"	7½"
Table top, Standard, width x depth.....	13"x16"	13"x20"	13"x24"	14"x24"	14"x28"
Table top, Universal, width x depth.....	13½"x15"	13½"x15"	13½"x15"	15"x19"	15"x19"
Table to Ram (Standard Table) max. distance.....	15¼"	15¼"	15¼"	17½"	17½"
Table to Ram (Universal Table) max. distance.....	14¼"	14¼"	14¼"	16¼"	16¼"
Tee slots in table-top and side.....	3	3	3	3	3
Tee Slots in top, center to center.....	4"	4"	4"	4½"	4½"
Tee Slots in side, center to center (Standard Table only).....	5"	5"	5"	5½"	5½"
Tee Slot bolt diameter.....	⅝"	⅝"	⅝"	⅝"	⅝"
Cutting speed range, feet a minute.....	10 to 140 feet	10 to 140 feet	10 to 140 feet	10 to 100 feet	10 to 100 feet
Number of cutting speeds in above ranges.....	Infinite	Infinite	Infinite	Infinite	Infinite
Cross-feeds to Table, range.....	0 to 0.110"	0 to 0.110"	0 to 0.110"	0 to 0.110"	0 to 0.110"
Vise Jaw size, single screw.....	2½"x15"	2½"x15"	2½"x15"	3"x17"	3"x17"
Vise opens, single screw.....	14"	14"	14"	15"	15"
Tool Post Slot size.....	⅜"x1 ⅜"	⅜"x1 ⅜"	⅜"x1 ⅜"	1"x2"	1"x2"
Motor recommended					
size.....	7½ h.p.	7½ h.p.	7½ h.p.	10 h.p.	10 h.p.
speed.....	1200 r.p.m.	1200 r.p.m.	1200 r.p.m.	1200 r.p.m.	1200 r.p.m.
* Weight with motor, net.....	5500 lbs.	5550 lbs.	5650 lbs.	7000 lbs.	7500 lbs.
* Shipping weight, domestic crated.....	5650 lbs.	5750 lbs.	5800 lbs.	7200 lbs.	7700 lbs.
* Shipping weight, boxed for export.....	6750 lbs.	6900 lbs.	7200 lbs.	8700 lbs.	9050 lbs.
* For Universal Table add.....	400 lbs.	400 lbs.	400 lbs.	500 lbs.	500 lbs.
* Dimensions of export box.....	62"x61"x100"	62"x61"x100"	62"x61"x100"	72"x67"x114"	72"x67"x114"
* Cubage of export box.....	219 cu. ft.	219 cu. ft.	219 cu. ft.	318 cu. ft.	318 cu. ft.

(*—Average)

Design, construction and specifications of products shown herein are subject to change without notice.