

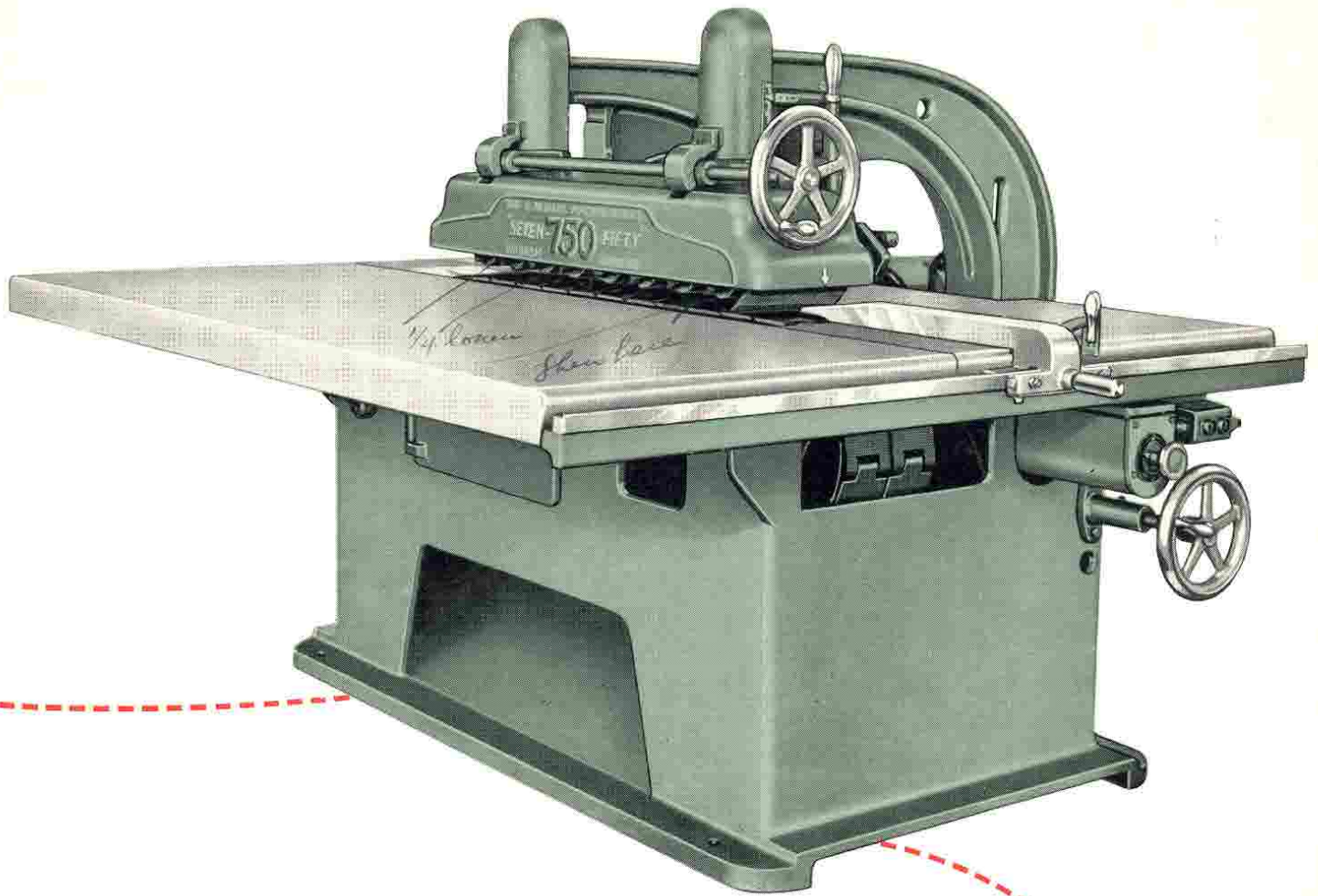
THE
G.M. DIEHL

No 750

RIP SAW

CONRAD'S MACHINE COMPANY, INC.
HC-31, Box 278P
Williamsport, PA 17701
(717) 478-2594

Manufactured by
The G. M. Diehl Machine Works, Inc. Wabash, Ind. U. S. A.



The NEW No. 750 RIP SAW

The Diehl "750" is the latest addition to the Diehl line of Rip-Saws. The "750" incorporates all of the outstanding features of its predecessors plus many new and improved features, such as wider tables, higher standard speeds and anti-friction bearings throughout.

The "750" is a sturdy, streamlined production rip-saw especially designed to give you maximum efficiency in high speed precision sawing. The massive welded steel base is rigidly built and heavily ribbed to provide a solid foundation to absorb vibration and is designed for the control and easy removal of sawdust. The base houses all electrical equipment and protects chain from dust and shavings. The heavily ribbed arms supporting the pressure bar are capable of a 1500% overload, thereby assuring positive precision at all times.

All adjustments on the "750" are readily accessible to the operator and are positive in their setting. The adjustable cam located at the infeed end permits the operator to adjust for open end or hollow joints, by merely turning adjusting screw to the left or right. The "750" is the only saw on today's market that performs this operation satisfactorily.

On the following pages are specifications and illustrated features of the "750". Check them over for the complete story.

750 RIP SAW

SPECIFICATIONS

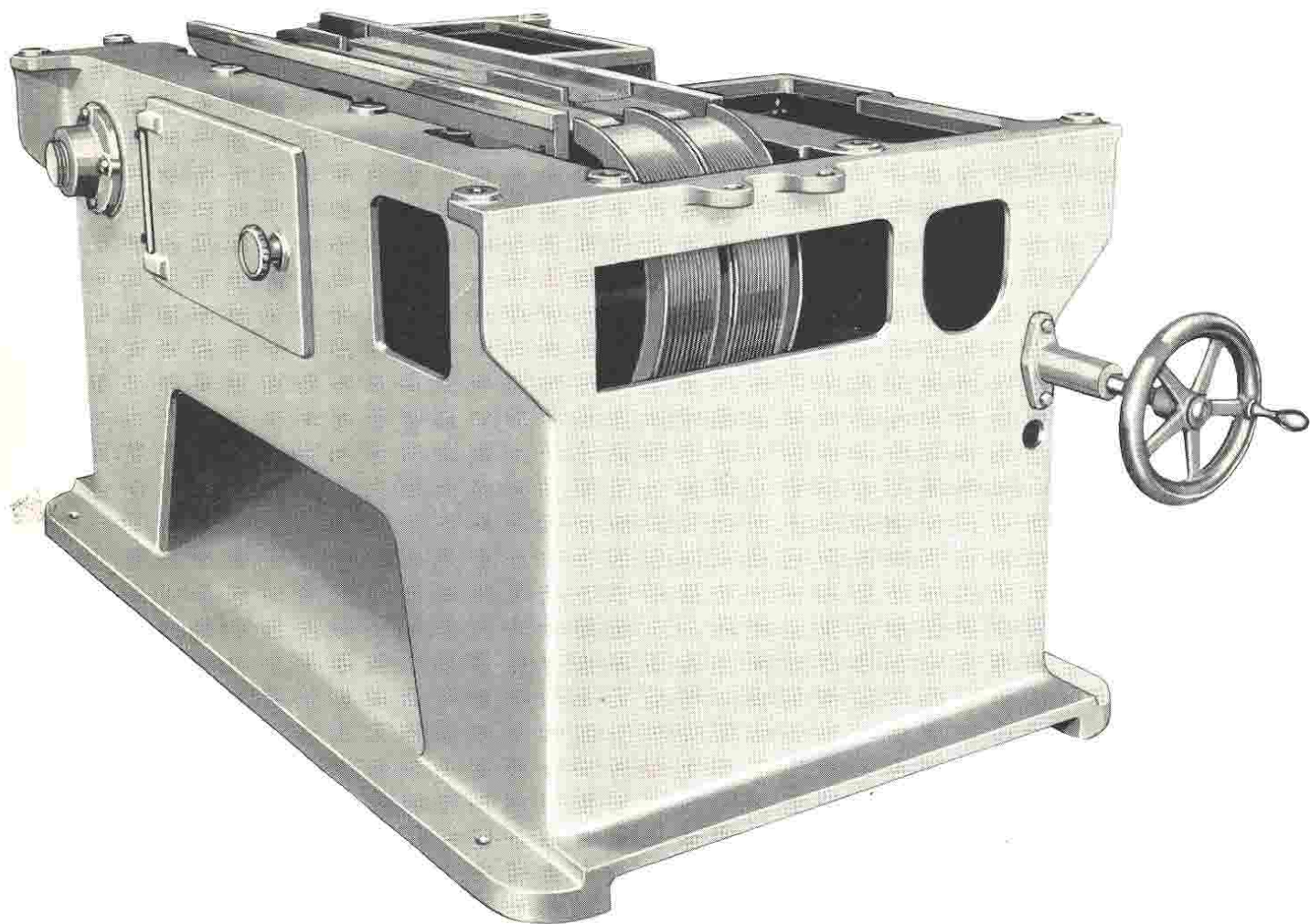


Motor—Arbor	10-15-20 H.P.
Motor—Feed	3 H.P. 4 speed
Voltage	220-440-550 volts 3 ph. 60 cy.
Feed speeds	Standard 58-90-120-180' per minute Special up to 250' per minute
Arbor diameter through saw.....	2"
Saw blade diameter.....	Standard 14" 12 gauge Maximum 18"
Maximum stock thickness.....	18" blade 4 $\frac{1}{4}$ "
Minimum stock thickness.....	$\frac{1}{8}$ "
Minimum length stock.....	6" up
Height of table from floor.....	35"
Width of table at right of saw.....	Standard 25"
Width of table to left of saw.....	37" (less if desired) no extra charge
Length of table.....	80"
Floor space.....	6' 3" wide x 7' 4" long
Standard equipment.....	14" saw blade—1 side dresser and jointing device for saw blade, necessary wrenches, anti kick-back guard and 1 adjustable rip fence
Extra equipment.....	Disappearing rip gauge (foot treadle or float- ing type). Carbide tipped saw blades—14", 16", 18" diameter—24 or 30 tooth.
Weight crated.....	4950
Weight boxed for export.....	5600
Cubic feet.....	210 cu. ft.

**OUTSTANDING
FEATURES OF THE**

750

RIP SAW

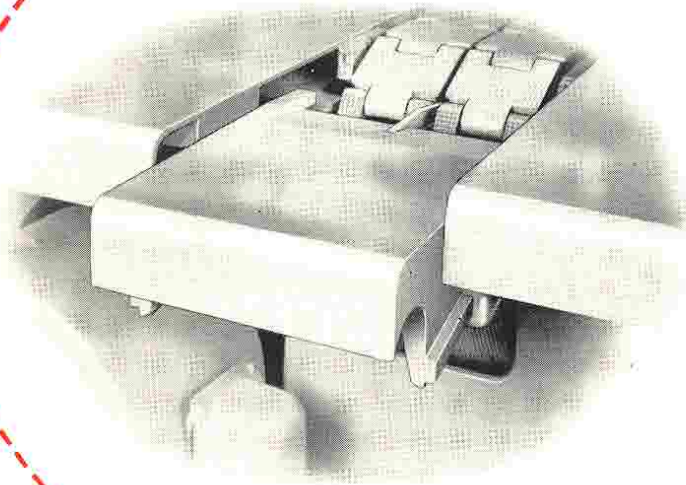


Massive, Heavily Ribbed Base

The base of the "750" is of massive welded steel construction and is rigidly built and heavily ribbed to provide a solid foundation to absorb vibration. It also houses all electrical equipment and is designed for control and easy removal of sawdust. Also protects feed chain from dust and shavings.

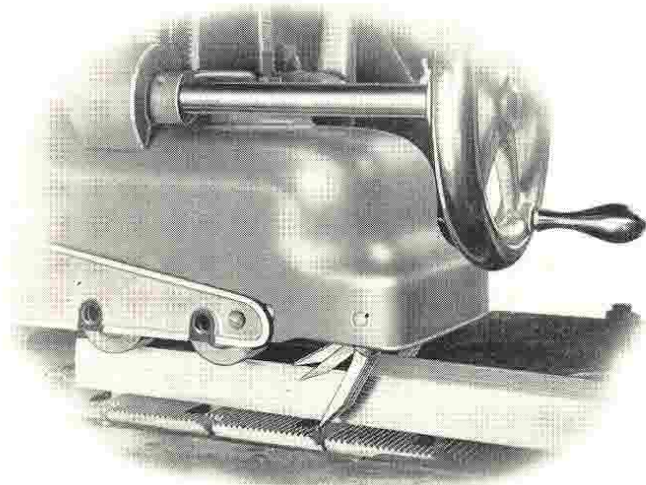
High grade steel and finest of workmanship are used in the fabricating of these bases. Your assurance of good dependable construction and solid support for your precision sawing operations.

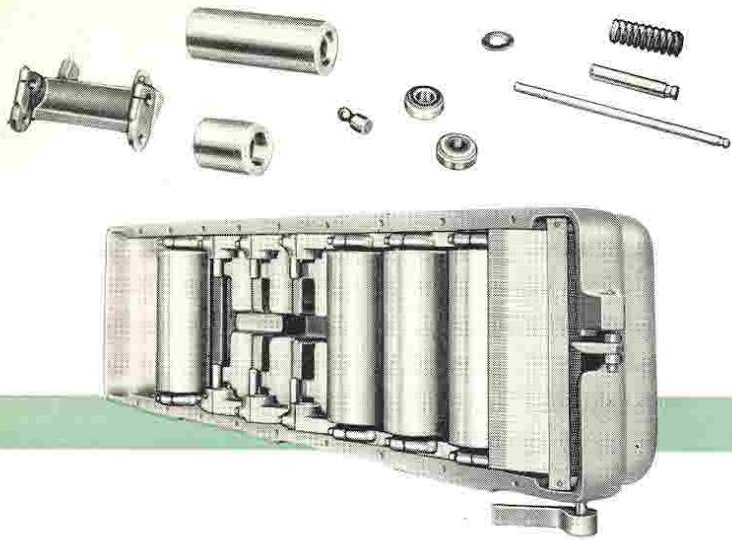
The arms supporting the pressure bar are of a heavy duty "I" section design capable of a 1500% overload which assures extreme precision under normal operating conditions.



The sliding off-bearing end table is an important safety feature of the "750." It prevents any possible damage from edgings and slivers wedging between the feed chain and table.

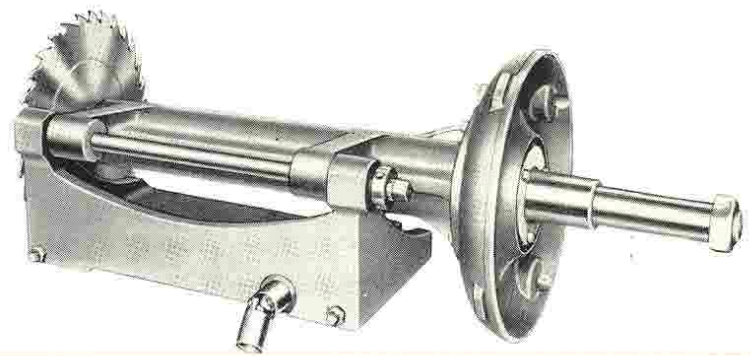
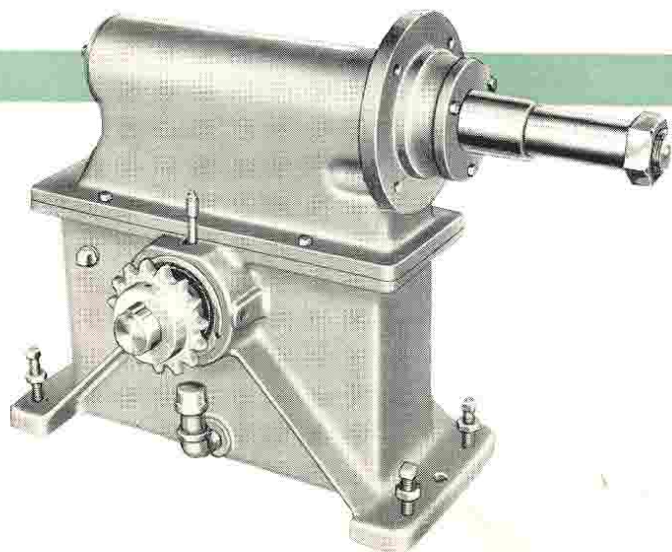
Another important safety feature is the Kick-back protection device . . . a set of narrow gauge fingers incorporated between the infeed end and the saw blade to prevent slivers from being thrown back in the operator's direction.





The heavily constructed pressure bar is composed of 8 rolls, running on sealed ball bearings, each having an individual spring pressure to insure a uniform hold down pressure the entire length of the cut. The pressure bar can be adjusted up or down by a conveniently located hand wheel and locked securely in any desired position.

The drive gear assembly, equipped with anti-friction bearings, is a self-contained unit mounted in the main frame of the machine. The unit is easily removed and consists of motor, worm and worm wheel. The motor is 2 H.P., 4 speeds, single voltage furnished in 220, 440 or 550 volts, with speeds up to 250 ft. per minute.



The No. 750 Saw Arbor has a double row of ball bearings which holds the arbor and saw blade for accurate precision cutting. The saw arbor and blade can be adjusted vertically, to produce a true downward cut, or horizontally, to keep the saw blade true and parallel to the chain race . . . an excellent feature to assure perfect, straight-edge accuracy required for glue joint work.



The worm wheel and worm shaft are mounted on self-lubricated anti-friction bearings. The lower part of the worm wheel runs in oil thereby lubricating the wheel and worm.

