

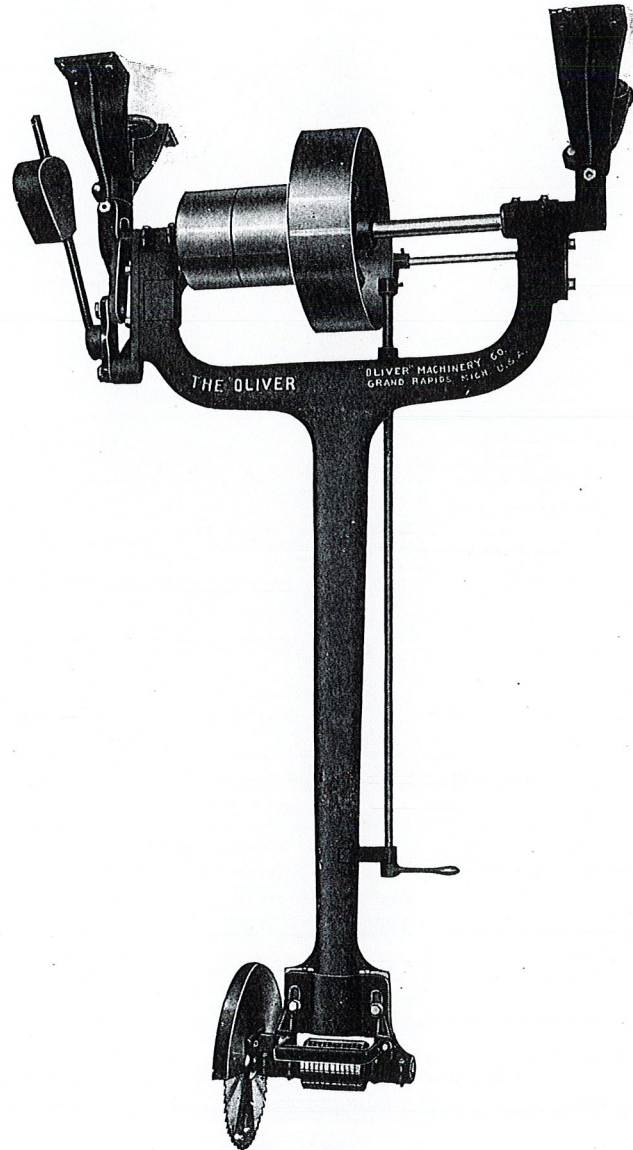


*"Every User
Is a Booster"*

"Oliver" No. 36 Swing Cut-Off Saw

BELT OR MOTOR DRIVEN

*Safely Guarded
Easily Operated
Requires Little Space*



"Oliver" No. 36 Cut-Off Saw—a very compact, neat and practical arrangement. Made regularly in three lengths.

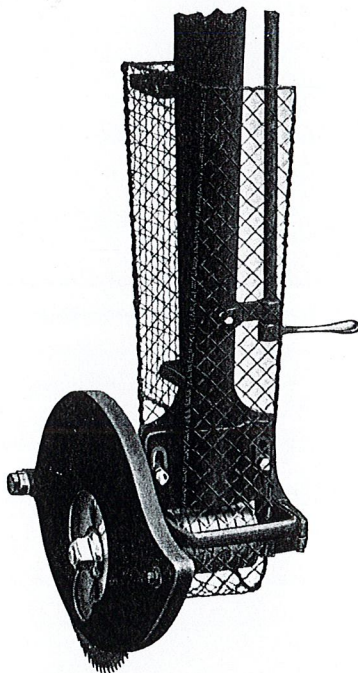


Illustration shows the "Oliver" No. 36 Cut-Off Saw with the saw fully guarded. Removing a bolt quickly disengages guard.

Manufactured by

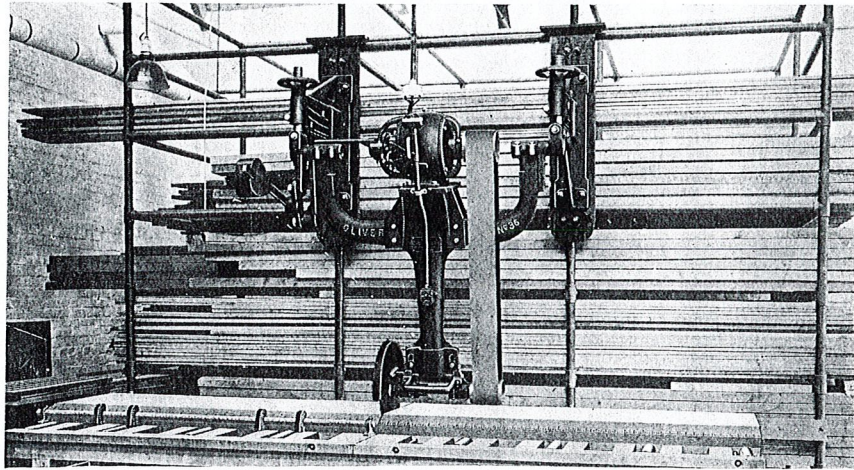
Oliver Machinery Co.
Grand Rapids, Mich., U. S. A.

BRANCH SALES OFFICES:

New York, St. Louis, Minneapolis, Los Angeles, San Francisco,
Chicago, Denver, Salt Lake City, Seattle, Manchester, Eng.

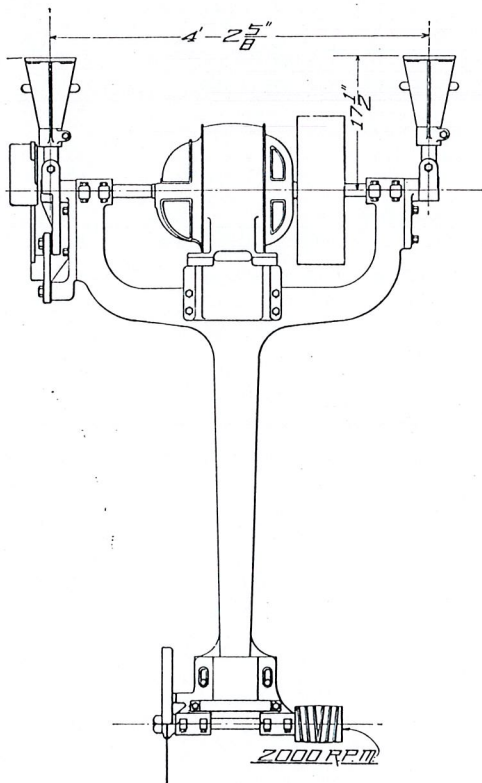
OLIVER MACHINERY COMPANY  GRAND RAPIDS, MICHIGAN, U.S.A.

“OLIVER” NO. 36 SWING CUT-OFF SAW

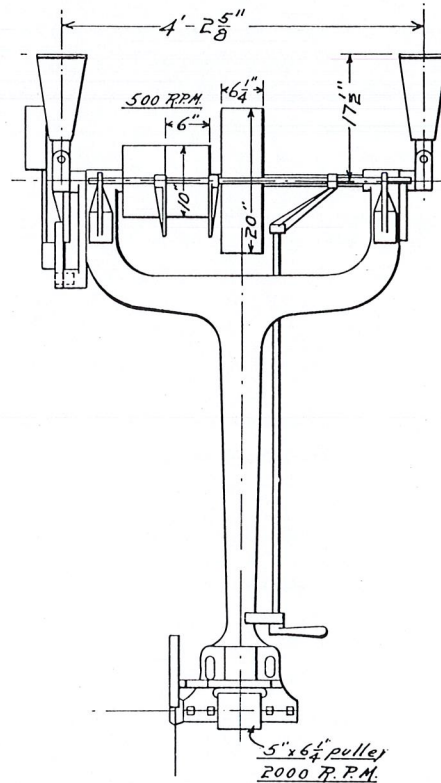


This half-tone shows the wall mounting of the “Oliver” No. 36 Swing Cut-Off Saw with the motor mounted on a bracket in the center of the yoke. Pipe divisions for storing lumber makes an ideal support for this method of attaching the saw. Note the large hand wheels for vertical adjustment.

FAST, ACCURATE and ECONOMICAL TO OPERATE



Dimension drawing of ceiling mounting showing wide center spacing of support brackets with motor mounted in center of yoke. Recommended for D. C. motor drive.



Ceiling mounted with wide supports eliminating twist or distortion—Saw rotates perfectly smooth and true. Hand lever is conveniently located for controlling saw.


OLIVER MACHINERY COMPANY **GRAND RAPIDS, MICHIGAN, U.S.A.**

" O L I V E R " N O . 3 6 S W I N G C U T - O F F S A W

Introduction This cut-off saw is without a doubt one of the handiest, most convenient machines ever conceived for all woodworking establishments. Always ready—the mere turning of a lever or pressing of a button starts or stops the saw. Symmetrically balanced and carefully designed, assuring a minimum effort for the swing operation—cutting lumber accurately, clean and true to dimensions. It's a pleasure to operate one of these "Oliver" Cut-off Saws.

Frame It is made in the cored form, with a single arm centrally located. It supports the countershaft above, and the saw arbor frame in a tongue and groove bearing below. Length between hangers 4 feet $25\frac{5}{8}$ inches, from center of countershaft to base of hangers, $17\frac{1}{2}$ inches. Made in three standard lengths, viz., 5 feet 5 inches, 7 feet 5 inches and 9 feet 5 inches.

Saw Arbor This is made of crucible steel, machine ground to accurate size. It is mounted in two self-oiling split bearings $4\frac{3}{4}$ inches long, $1\frac{7}{16}$ -inch diameter, and carries a grooved pulley, 5 inches by $6\frac{1}{4}$ inches. End play is cared for by babbitt grooves in the front bearings; speed of arbor 2000 R. P. M. Length 24 inches and diameter $1\frac{1}{4}$ -inch where the saw is applied. Adjustment for tightening the belt is $1\frac{1}{2}$ inches.

Arbor Frame This is detachable from the main frame, held securely in position by heavy bolts. It is adjustable vertically for taking up stretch of the belt, and may be removed from frame for rebabbiting the bearings. A strong handle bolted to this frame is very convenient for the operator.

Shield It is made of cast iron, bolted to the frame and need not be disturbed when removing the saw.

Counter-balance This consists of a weight and lever carried upon two shoulder screws, the upper one stationary and the lower one moving with the swing of the frame, and operating the weight, reducing to a minimum the resistance to the operator in sawing.

Countershaft Is 44 inches long, $1\frac{3}{4}$ -inch diameter and supported in babbitted bearings 5 inches long with removable caps, and they are well lubricated by constant flow of oil through capillary attraction. Pulleys are machined and balanced properly. The loose pulley is provided with a self-oiling bushing having a double wearing surface. A belt shifter for the driving belt is carried on the machine frame convenient to the operator. T. & L. pulleys 10 x 6 inches, driving pulley 20 x $6\frac{1}{4}$ inches, speed 530 R. P. M. for 18-inch saw.

Hangers These are fitted with trunnion bearings, which receive and sustain the main frame. Hand wheels and screws are provided for vertical adjustment of 5 inches, thus maintaining the same cutting line as the saw wears to smaller diameter.

Motor Drive The Belted Motor Drive consists of mounting a 5 H. P., 1800 R. P. M., motor on a bracket in the yoke of the machine. A separate casting securely bolts to the column which supports the saw unit. This arrangement takes the place of the countershaft and belting which extends to the saw arbor.

Capacity 18-inch saw will cut planks 12 inches wide, 6 inches thick; 24-inch saw will cut planks 12 inches wide up to 9 inches thick.

Equipment With belt driven machines, one 18-inch diameter saw.

Code	CODE, WEIGHT, ETC. Description	Weight in Pounds Crated	Pounds Boxed	Cubic Feet
Dean	No. 36-A—Swing Saw, 5 feet 5 inches center of saw to base of hangers	915	1050	23
Dear	No. 36-B—Swing Saw, 7 feet 5 inches center of saw to base of hangers	975	1150	26
Dearth	No. 36-D—Swing Saw, 9 feet 5 inches center of saw to base of hangers	1050	1250	32

EXTRAS

Debam	Motor Bracket bolted to frame in yoke of machine.....	.....	.....	.....
Debar	Endless Leather Belt, 5 inches wide for saw of any swing saw.....	.....	.....	.....
Debase	Machine arranged with 24-inch saw and pulleys and shield to suit.....	.....	.....	.....
Debax	Wire Mesh Belt Guard for arbor pulley and lower part of belt.....	.....	.....	.....
Deban	Automatic Aluminum Saw Guard for 18-inch saw.....	.....	.....	.....
Debap	Wall Brackets in place of ceiling bracket.....	.....	.....	.....

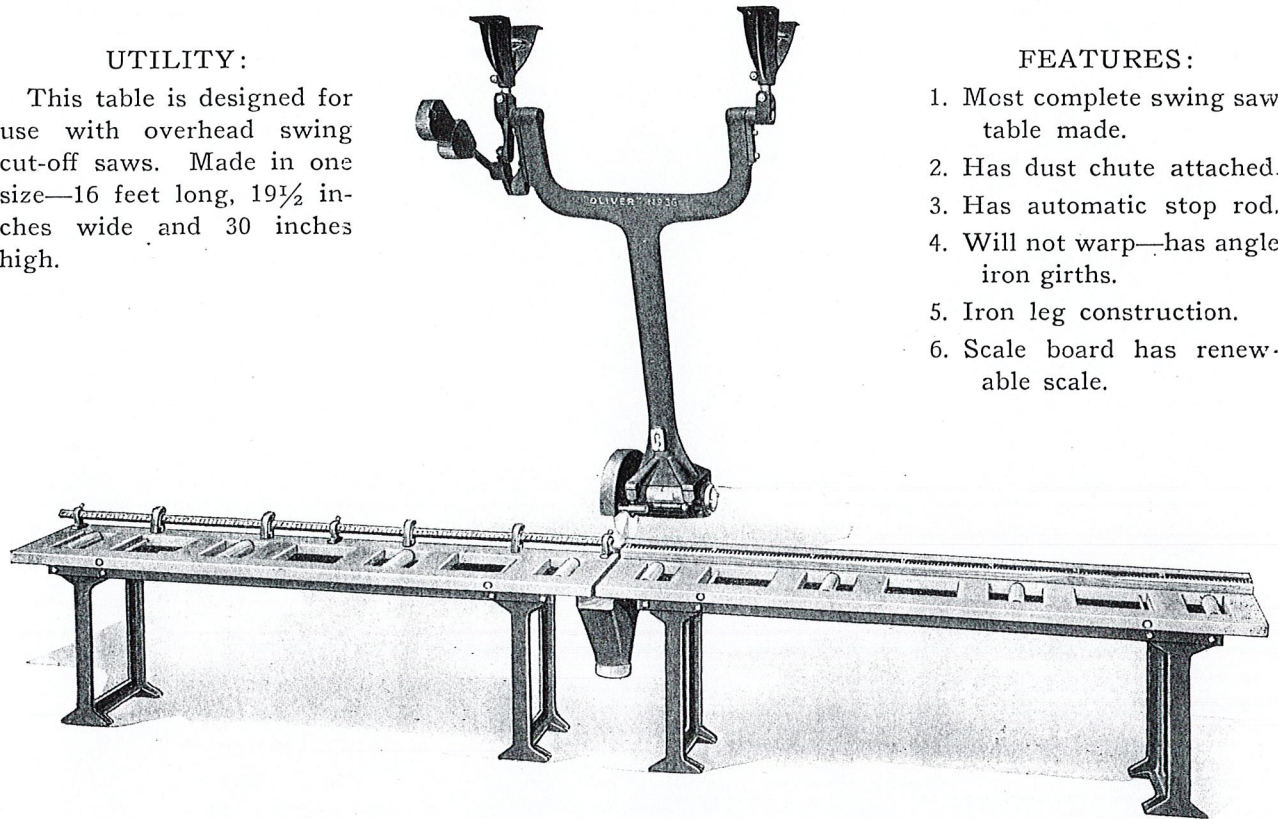
"Oliver" No. 179 Special New Style Swing Saw Table

UTILITY:

This table is designed for use with overhead swing cut-off saws. Made in one size—16 feet long, 19½ inches wide and 30 inches high.

FEATURES:

1. Most complete swing saw table made.
2. Has dust chute attached.
3. Has automatic stop rod.
4. Will not warp—has angle iron girths.
5. Iron leg construction.
6. Scale board has renewable scale.



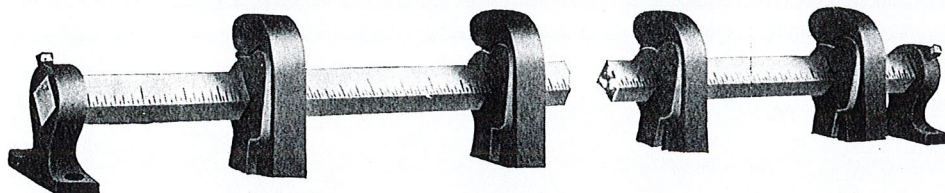
"Oliver" No. 179 Swing Saw Table shown in use with "Oliver" No. 136 Motor-on-Arbor Swing Saw.

Design

Top is made of kiln dried rock maple or equal with angle iron girths, which prevent table from warping out of line. Attached to angle iron girths are legs of cast iron in one-piece castings of rigid design. Rolls are inserted in both sections of table in every other opening the full length of the table. A dust chute is fastened between the two sections of table, having a 6-inch diameter pipe opening for connecting to exhaust system.

Table

The table is composed of two parts or sections. On the rear of the right hand section is mounted the scale rail with scale graduated in eighth inches from 0-inch to 96 inches, plainly marked and accurate. On the left hand section is mounted the "Oliver" No. 419 Patent Automatic Swing Saw Gauge, which comprises a square rod, graduated in eighth inches from 0-inch to 96 inches, plainly marked and accurate. Four automatic malleable iron stops, one center and two end rod holders are mounted in place.



Users of Swing Saws for cutting up stock should not ignore the saving in time and money, and the increase of output that may be accomplished by using our Automatic Swing Saw Gauge.

Stops

The stops are made of malleable iron, hung on a square steel polished rod. This is the only swing saw gauge so constructed. We make it any lengths and with any number of stops.

Code	Description	Weight in Pounds		Cubic Feet
		Crated	Boxed	
Dealz	No. 179—"Oliver" Special New Style Swing Saw Table, 16 feet long.....	575	700	40
Deam	No. 419—Automatic Swing Saw Gauge for tables now in use	70	85	2
Deama	Extra length of No. 419 Swing Saw Gauge.....	.....	.....	.....
Deames	Extra Stops for above, if desired, each.....	.....	.....	.....