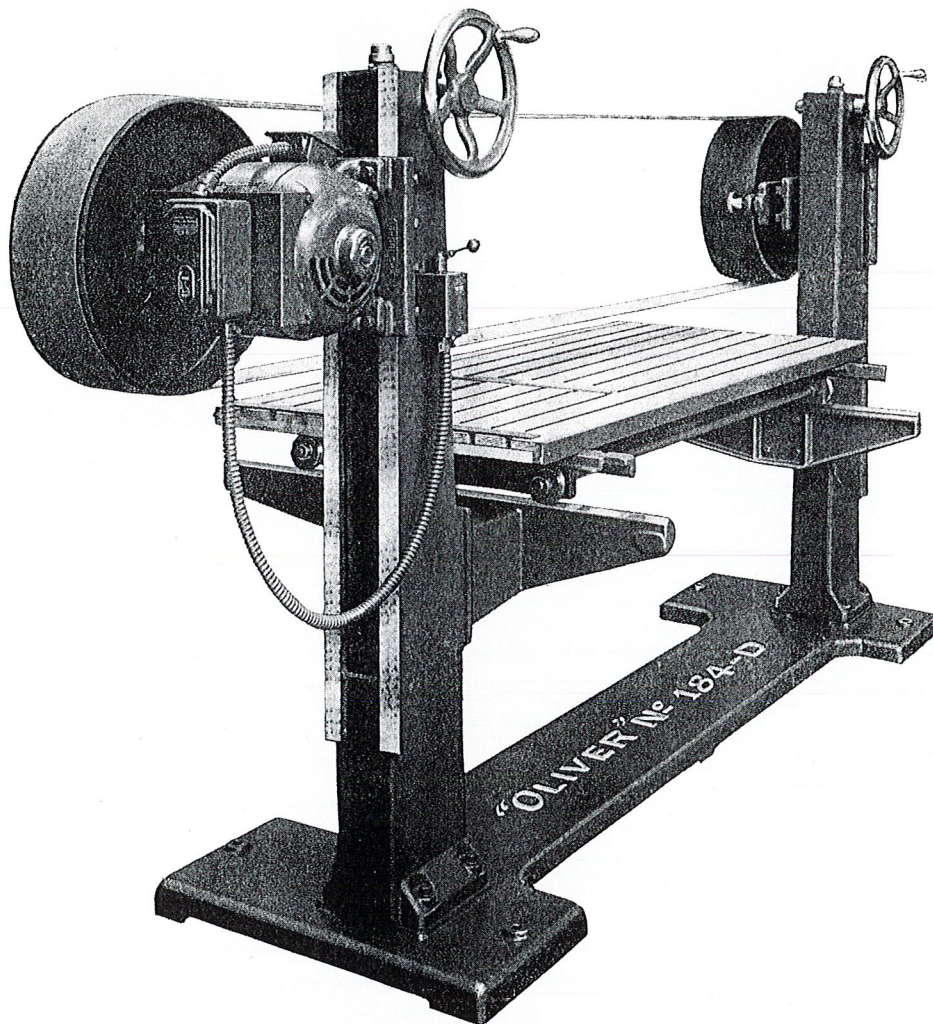


OLIVER

No. 184

REVERSIBLE BELT SANDER



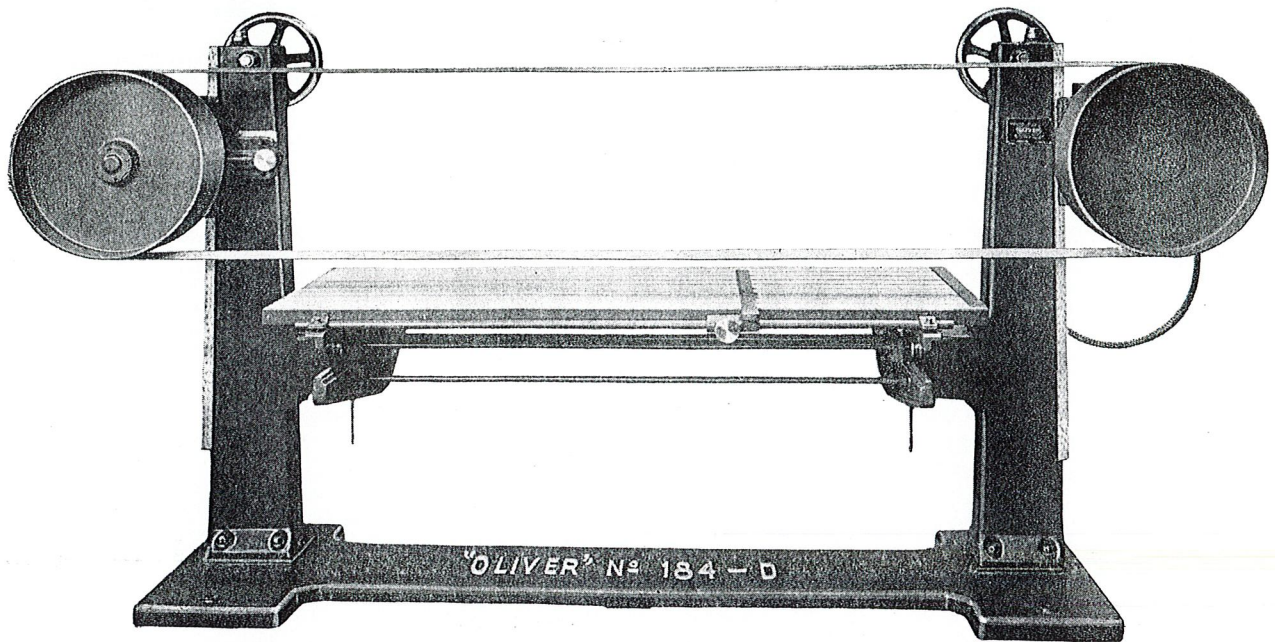
"OLIVER" No. 184-D REVERSIBLE BELT SANDER
Rear View from the Power Stand End Showing the Hand Wheel and Screw
Vertical Adjustment of Both Pulleys.



OLIVER MACHINERY COMPANY, GRAND RAPIDS 2, MICHIGAN, U.S.A.

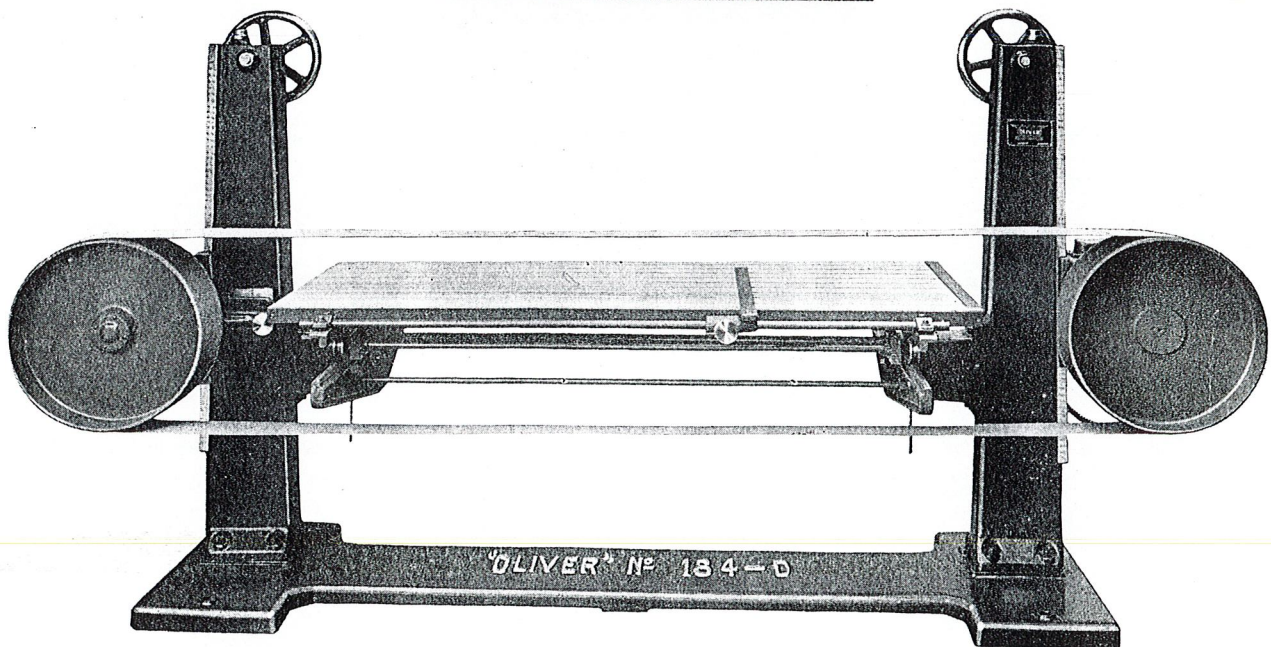
OLIVER

NO. 184 REVERSIBLE MOTOR DRIVEN BELT SANDER

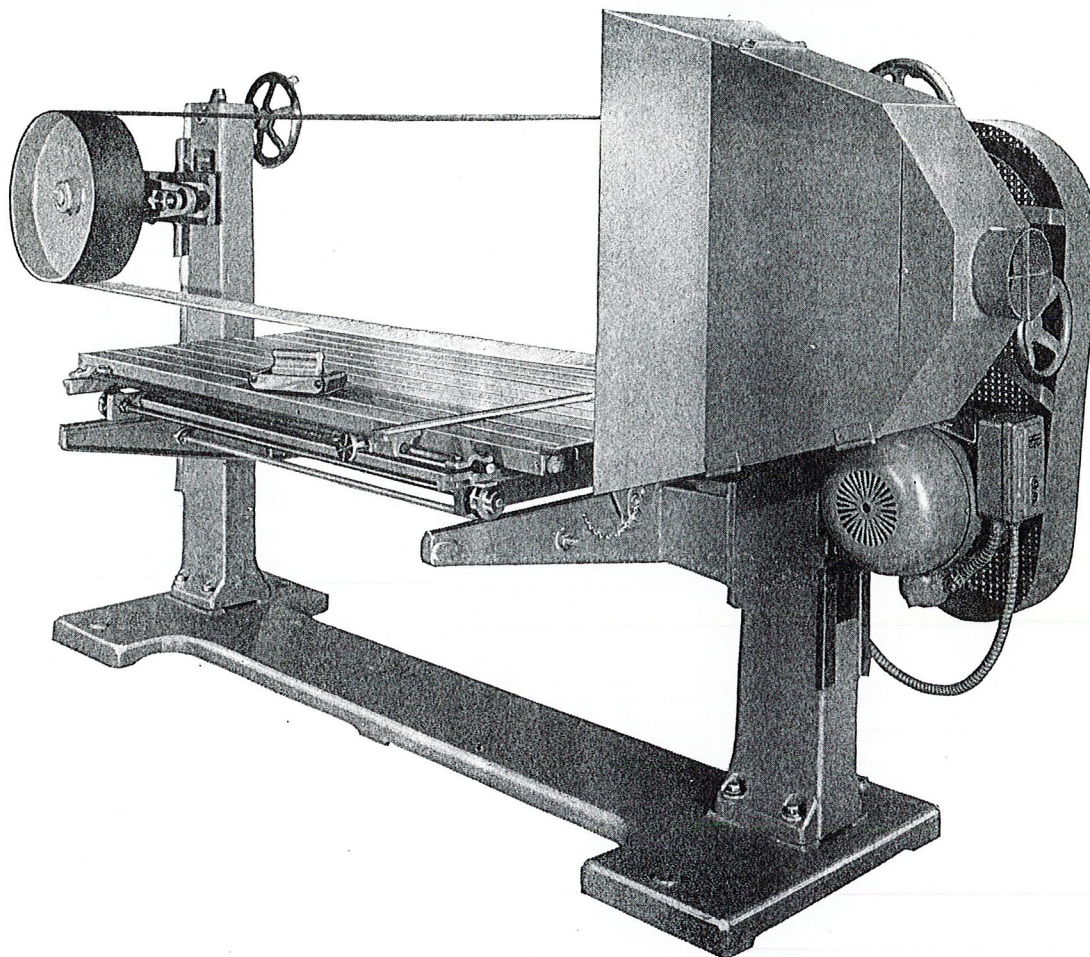


"OLIVER" No. 184-D REVERSIBLE BELT SANDER
Front View with Pulleys in the "Up" Position Ready for General Sanding, Polishing, etc.

- 1 With Pulleys "Up" becomes Flat Sander
- 2 With Pulleys "Down", becomes Moulding Sander



"OLIVER" No. 184-D REVERSIBLE BELT SANDER
Front View with Pulleys in the "Down" Position Ready for Sanding Mouldings and Similar Work.



"OLIVER" No. 184-V VARIABLE SPEED BELT SANDER.
Front view of machine with pulleys in position for general sanding. Available with 2 or 3 h.p., 1800 r.p.m. motor and variable speed pulley giving belt speeds of 2,000 to 6,000 feet per minute. Dust hood shown is furnished as an extra on variable speed or single speed machines. Outlet is 6" diameter.

APPLICATION

This is a fine machine for manufacturing plants where there is a great deal of production work, such as table tops, desk tops, and other flat work; for the small cabinet shop and the manual training departments in schools where the work is well within the capacity of the machine. Furniture, implement, toy, sash, door and blind factories, planing mills, metal moulding, ornamental metal, and plate mills use this machine to very good advantage for sanding and polishing.

CAPACITY

Narrow work of practically any length may be sanded in front of the columns, but the machine is recommended for work six feet

or less in length. It will sand 36" wide by 72" long and will take work 12" high on the table. Belts up to 7" wide may be used. Belts are 23' 6" long.

GENERAL CONSTRUCTION

The main principle underlying the design and construction of this sander is to provide one which is entirely self-contained and forms a single operating unit. Work of lining up stands and pulleys is done in our shop, eliminating necessity of this difficult job in installation. Base is carefully machined so as to rest solidly on floor.

Machine consists of three principal units — power stand, idler stand, and table. The stands, while very rigidly and securely mounted

on base plate of machine, are still further reinforced by a steel stay which connects them and insures an absolutely rigid and vibrationless machine. Sand belt pulleys, which run in ball bearings, have up-and-down vertical adjustment by means of screws, spiral gears and hand wheels. Pulley on idler stand also has horizontal screw adjustment for sand belt take-up and angular adjustment for tracking the belt. Ways which support table are securely mounted on stands. Vertical adjustment of pulleys increases capacity as to height and kind of work that may be sanded.

TABLE

The machine is built with a 72" table, 32" wide, constructed of

planed wood strips 1" apart to allow dust to drop through and keep table top clean. Table travels horizontally 33" on ball bearing ways which are rigidly supported on power and idler stands, forming a self-contained machine. On top of table is an adjustable stop gauge to prevent work from sliding off.

POWER STAND

The power stand is very rigidly mounted on right end of base plate and carries the driving sand belt pulley, motor bracket, motor, and internal mechanism for raising and lowering same. The pulley, motor bracket, etc., form a single unit which is adjustable vertically 32" on gibbed ways by means of screw spiral gears and hand wheel. Pulley is a one-piece, aluminum casting, finished all over and rubber faced, 20" diameter, 7" face, and runs in ball bearings. Speed, 900 r.p.m.

IDLER STAND

This stand is mounted very rigidly on left end of base plate and carries the idle sand belt pulley, pulley bracket, attachment bracket, and internal raising and lowering mechanism. The pulley, bracket, etc., are vertically adjustable 31" on gibbed ways. Idler pulley also has horizontal adjustment of 12" by means of hand wheel and screw for taking up slack in sand belt. Pulley is a one-piece, aluminum casting, finished all over and rubber faced, 20" diameter, 7" face, and runs in ball bearings.

MOTOR DRIVE

Direct motor drive is recommended and regularly furnished on this Sander. We regularly furnish a two h.p. 900 r.p.m. Ball Bearing Motor, mounted on the vertically adjustable bracket. Directly on the motor shaft is mounted the

aluminum sand belt driving pulley. A reversible switch is furnished and mounted on machine in a convenient manner and wired to motor by means of a flexible conduit, allowing reversing direction of belt travel to suit requirements.

INSIDE CIRCLE SANDING ATTACHMENT

When used, this attachment is mounted on the idler stand, and is adapted for sanding all kinds of inside curve work. It is furnished at extra cost.

EQUIPMENT

Regular equipment includes one sanding pad, motor, switch, and wiring as per order.

FLOOR SPACE

132" long with six-foot table; 84" wide. Height over all, 64".

CODE, WEIGHT, ETC.

| CODE | MACHINE DESCRIPTION | WEIGHT IN POUNDS | | CUBIC FEET |
|-------|--|------------------|-------|------------|
| | | CRATED | BOXED | |
| Eukog | No. 184-D - Motor Driven Reversible Belt Sander with 6-foot Table complete with Motor, Switch, etc. | 2100 | 2600 | 155 |
| Eugob | No. 184-V - Variable Speed Belt Sander | 2300 | 2800 | 155 |

EXTRAS

| | | | | |
|-------|--|-------|-------|-------|
| Eukok | Belt Tension Gravity Idler ..... | ..... | ..... | ..... |
| Eukol | Inside Circle Sanding Attachment ..... | ..... | ..... | ..... |
| Eukot | 3 h.p. Motor instead of 2 h.p. .... | ..... | ..... | ..... |
| Eukoj | Dust Hood for enclosing Motor Pulley ..... | ..... | ..... | ..... |
| Eukof | Guard for enclosing Driven Pulley | | | |



OLIVER MACHINERY COMPANY
Grand Rapids 2, Michigan, U.S.A.

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