



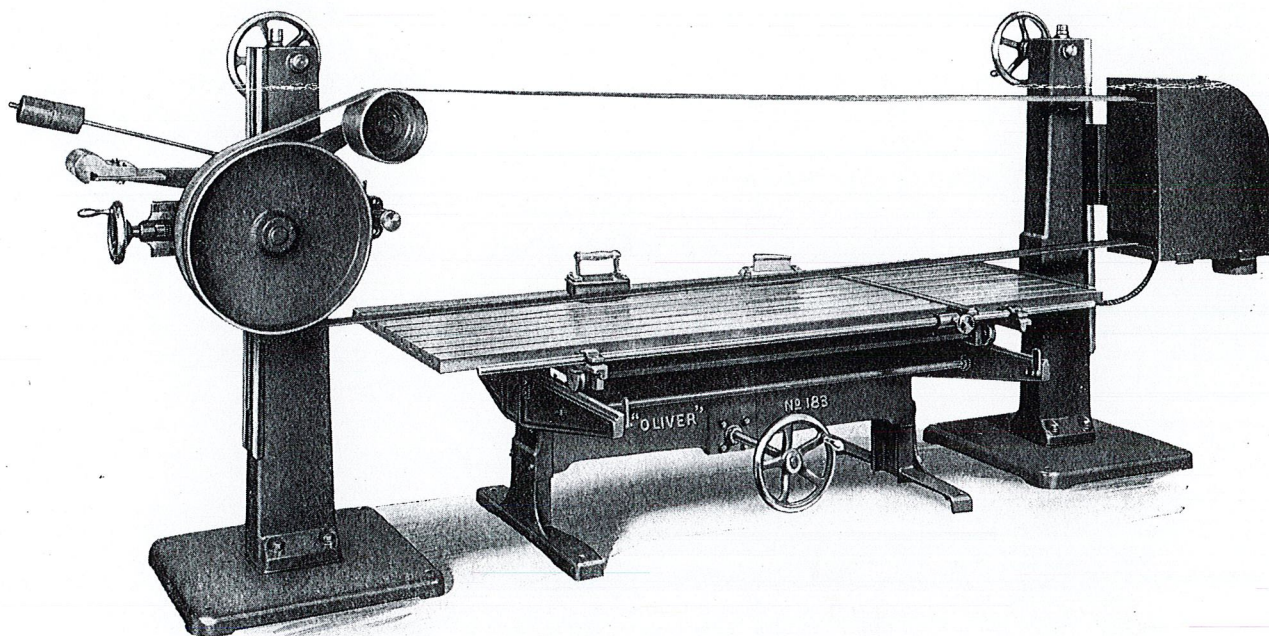
*"Every User
is a Booster"*

"Oliver" No. 183

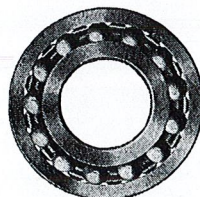
Motor Driven

Reversible Belt Sander

Two Machines in One



Front view of machine with the power and the idler stands located about 12 feet apart and the pulleys in the up position for general flat sanding. The belt tension idler and inside circle attachment shown on the idler stand are extra equipment. The dust hood on the motor pulley is also an extra.



Ball Bearings of the highest grade are used for the bearings of this machine. Less Friction — More Power

Motor Drive

Direct motor drive is recommended and regularly furnished on this sander. We regularly furnish a 2 h.p., 3 phase, 60 cycle, 220/440 volt, 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 reversing 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.

Manufactured by

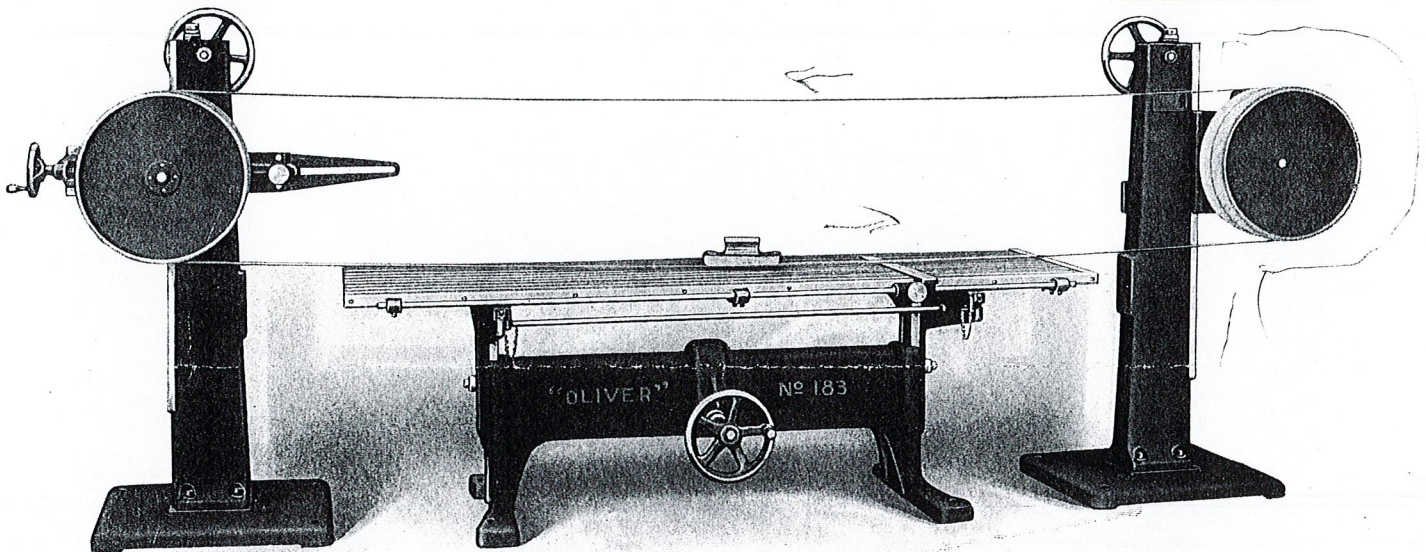
Oliver Machinery Company

Grand Rapids, Mich., U.S.A.

BRANCH SALES OFFICES:

New York, Cleveland, Detroit, Indianapolis, Chicago, St. Louis, Minneapolis, Denver, Salt Lake City, Seattle, Portland, San Francisco, Los Angeles.

OLIVER MACHINERY COMPANY  GRAND RAPIDS, MICHIGAN, U.S.A.
"OLIVER" NO. 183 MOTOR DRIVEN BELT SANDER



No. 183-D "OLIVER" REVERSIBLE BELT SANDER
Front view of machine with the power and the idler stands located at about 16 feet apart and the pulleys in the up position for general sanding.

Application

The "Oliver" No. 183 Belt Sander is designed for rapidly sanding and polishing all kinds of line and edge mouldings, straight, flat and irregular surfaces, and for sanding and finishing built-up pieces, such as cedar chests, desks, chairs, kitchen cabinets, refrigerators, and all kinds of medium sized pieces of furniture. It can also be used in polishing metal surfaces.

Where Used

The field of usefulness of this machine is practically unlimited. Large manufacturing plants, where work is done on a production scale, and job shops use this machine to very good advantage. It is used in furniture, cabinet, talking machine, commercial body, implement, toy, sash, door and blind factories, manual training schools, car shops, planing mills, metal moulding, ornamental metal, and plate mills, or wherever a finishing and polishing machine is required.

Capacity

This sander will take work of any practical length and sand to center of 66 inches. It will take work on table 20 inches high and on floor 44 inches high. Table travels 33 inches horizontally and adjusts 14 inches vertically. Belts about 28 feet long and any width up to 7 inches may be used. Used as a moulding Sander, work up to 10 inches high can be sanded.

Essential Features

The machine is composed of three distinct and separate units each self-contained. The set up is simple and the alignment is readily accomplished as the idler pulley is universally adjustable. The table may be readily removed for sanding large work. If extra long work is to be sanded the distance between pulleys can be indefinitely increased to suit. The long sand belt saves belts and time.

Points of Superiority

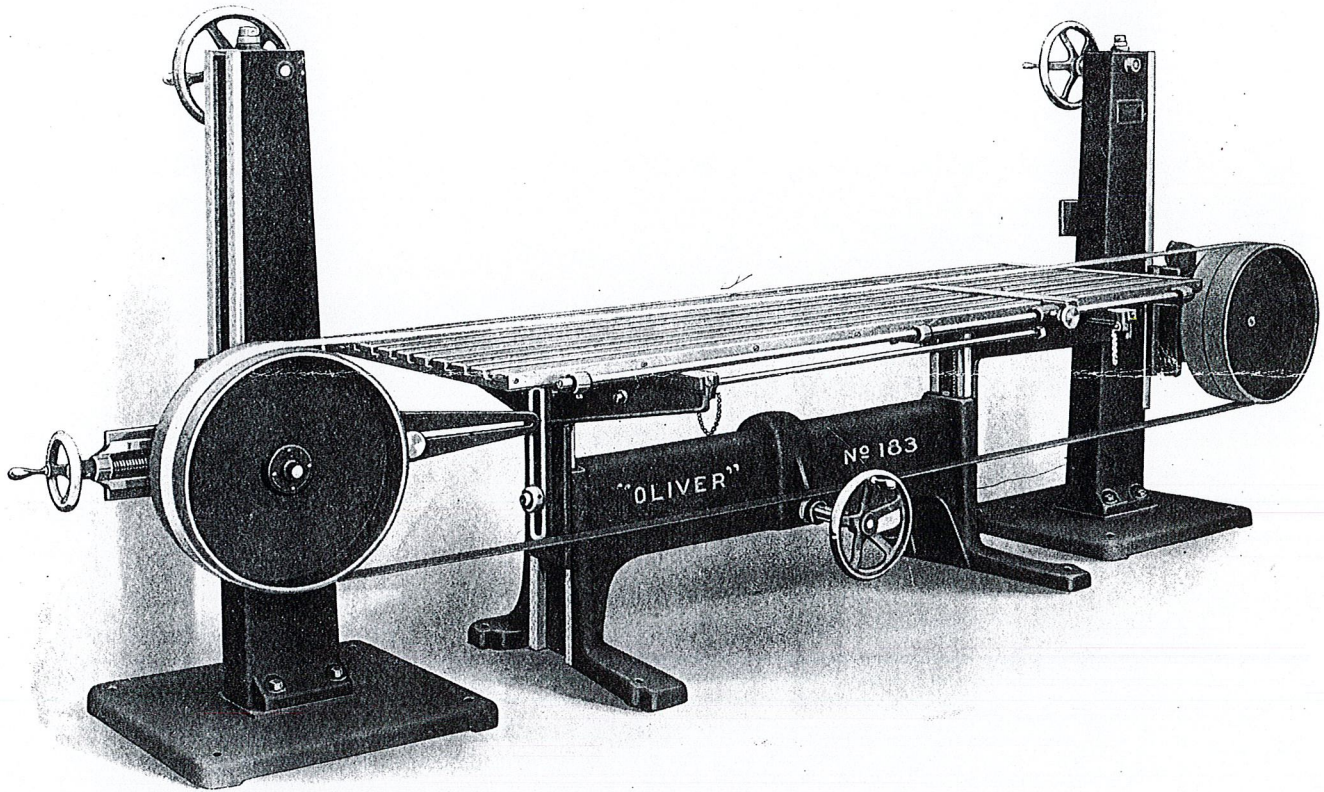
(1) With Pulleys "Up" becomes a flat Sander. (2) With Pulleys "Down" becomes a Moulding Sander. (3) Three Units each individually self-contained. (4) No noisy gravity idlers. (5) Both Pulleys Aluminum — turned all over. (6) Both pulleys rubber faced. (7) Belts used "Sand-side" either out or in. (8) Idler pulley universally adjustable. (9) Table rolls on ball bearings. (10) Table adjustable as well as pulleys, up and down. (11) Independent stands allow indefinite belt length. (12) Smooth and quiet operation. (13) Rapid adjustments in every direction. (14) Ball Bearing throughout. (15) Motor-On-Shaft saves Power.

Table

Table is 96 inches long, 32 inches wide, constructed of planed wood strips with 1-inch gaps between them which allow the dust to drop through and keep table top clean. Table travels horizontally 33

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“OLIVER” NO. 183 MOTOR DRIVEN BELT SANDER



No. 183-D "OLIVER" REVERSIBLE BELT SANDER

Front view of machine with the power and the idler stands located at about 12 feet apart and the pulleys in the down position with the belt reversed for sanding mouldings, etc.

inches on ball bearing rollers, has vertical adjustment of 14 inches, from 25 inches to 39 inches high, controlled by racks, gears, shafts, worm, worm wheel, and hand wheel, forming a self-locking adjustment in any position in the 14-inch vertical movement. The ways are mounted on a frame of rigid construction. On top of table is an adjustable bar to prevent work from sliding off. Hand wheel is so arranged that table may be raised or lowered without interference with lower belt when sander is operating as a moulding sander.

Power Stand

The power stand is of very rigid construction. With motor

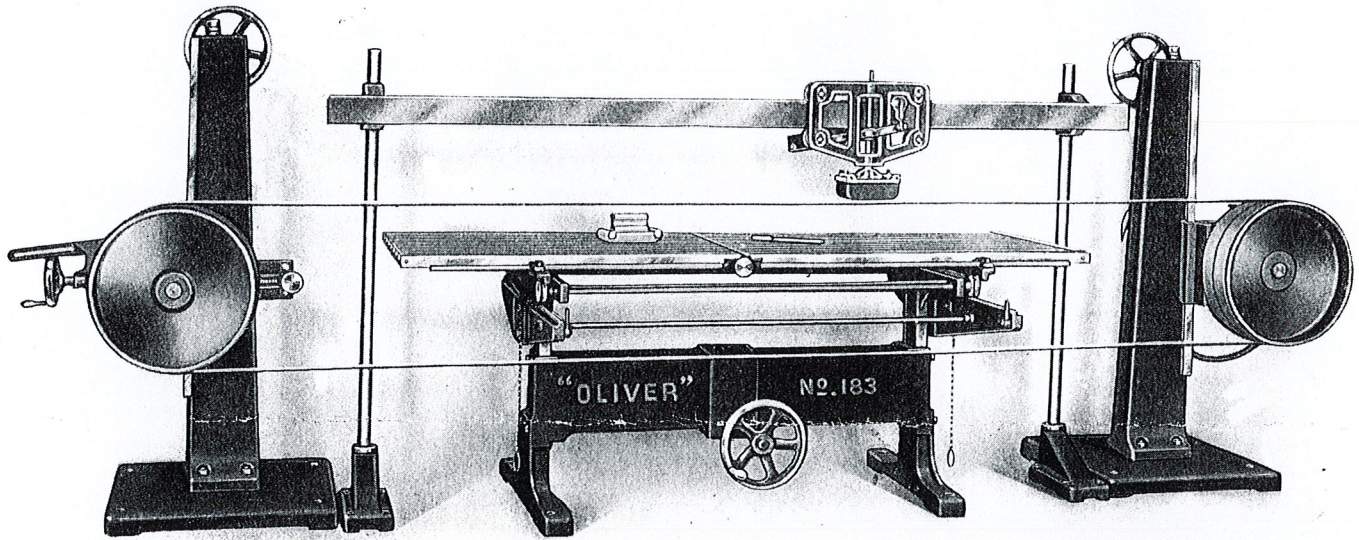
mounted directly on the main slide which is provided with gibs with take up allowance for wear. The aluminum drive pulley 20" x 7" is mounted on motor arbor, making the most direct possible and absolutely noiseless drive. A Safety First Reversing Switch is also mounted on the motor slide to allow reversing of the belt travel as is necessary when changing the machine from operation as a Moulding Sander to a Flat Sander or vice versa. The pulley, motor bracket, etc., form a single unit which is adjustable vertically 32 inches 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-inch diameter,

7-inch face, and runs in ball bearings. Speed, 900 r.p.m.

Idler Stand

The idler stand is constructed similar to the power stand except the slide is arranged to accommodate an adjustable idler. The idler pulley is of aluminum 20" x 7", carefully turned and balanced, runs on ball bearings and has 32" vertical adjustment in gibbed ways. Both idler and motor pulleys are rubber faced and of web type — a safety feature readily appreciated. The idler pulley is adjustable horizontally 12 in. by hand wheel and screws. Tracking the pulley to center the belt is done by means of hand wheel conveniently located.

Handwritten signature or mark



No. 183 Sander with Semi-Automatic Sanding Attachment

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 a small extra cost.

Pneumatic Sanding Pad

The pneumatic sanding pad is strongly recommended for sanding irregular work. It will conform to many kinds of irregular shapes. An inflating pump is furnished with the pad. The extra cost is slight—the advantages many.

Semi-Automatic Sanding Attachment

This attachment is furnished as an extra if required. It

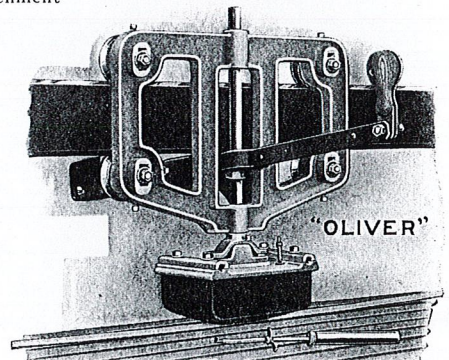
consists of two floor stands—one adjustable guide bar 9½ ft. long—and one frictionless rolling trolley fitted with operating lever and pneumatic (Patented) pad. It is readily set in place either on the bases of power and idler stands or on the floor. For polishing and fine sanding operations, it has proven itself very valuable in numerous applications.

Equipment

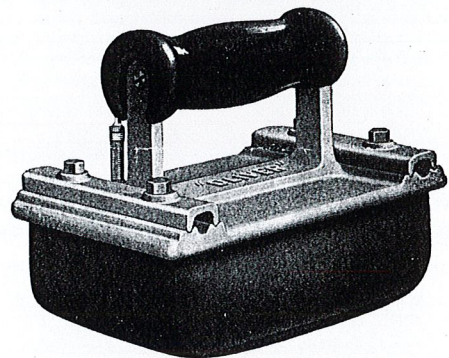
Regular equipment includes Power Stand, Idler Stand, Table, one sanding pad, motor, switch, and wiring as per order.

Floor Space

84 inches wide. Height over all, 66 inches. Minimum length, 180 inches.



Center portion of Semi-Automatic Sanding Attachment



Pneumatic Sanding Pad

CODE, WEIGHT, ETC.		MACHINE DESCRIPTION		
CODE		WEIGHT IN CRATED	POUNDS BOXED	CUBIC FEET
Eukob	No. 183-D—Motor Driven Reversible Belt Sander, complete with ball bearing motor, 2 h.p., 3 Phase, 60 Cycle, 220/440 Volt, 900 r.p.m., with Safety First Reversing Switch, two Columns, Table, etc.....	2500	3300	240
EXTRAS				
Eukoj	Dust Exhaust Hood, encasing driving pulley.....	25	25	.....
Eukok	Belt Extension Gravity Idler.....	25	25	.....
Eukol	Inside Circle Sanding Attachment.....	.....	.....	.....
Eukon	Zig Zag Splicing Die.	.....	.....	.....
Eukop	Pneumatic Sanding Pad.	.....	.....	.....
Eufok	Semi- Automatic Sanding Attachment—as above described.....	250	350	7