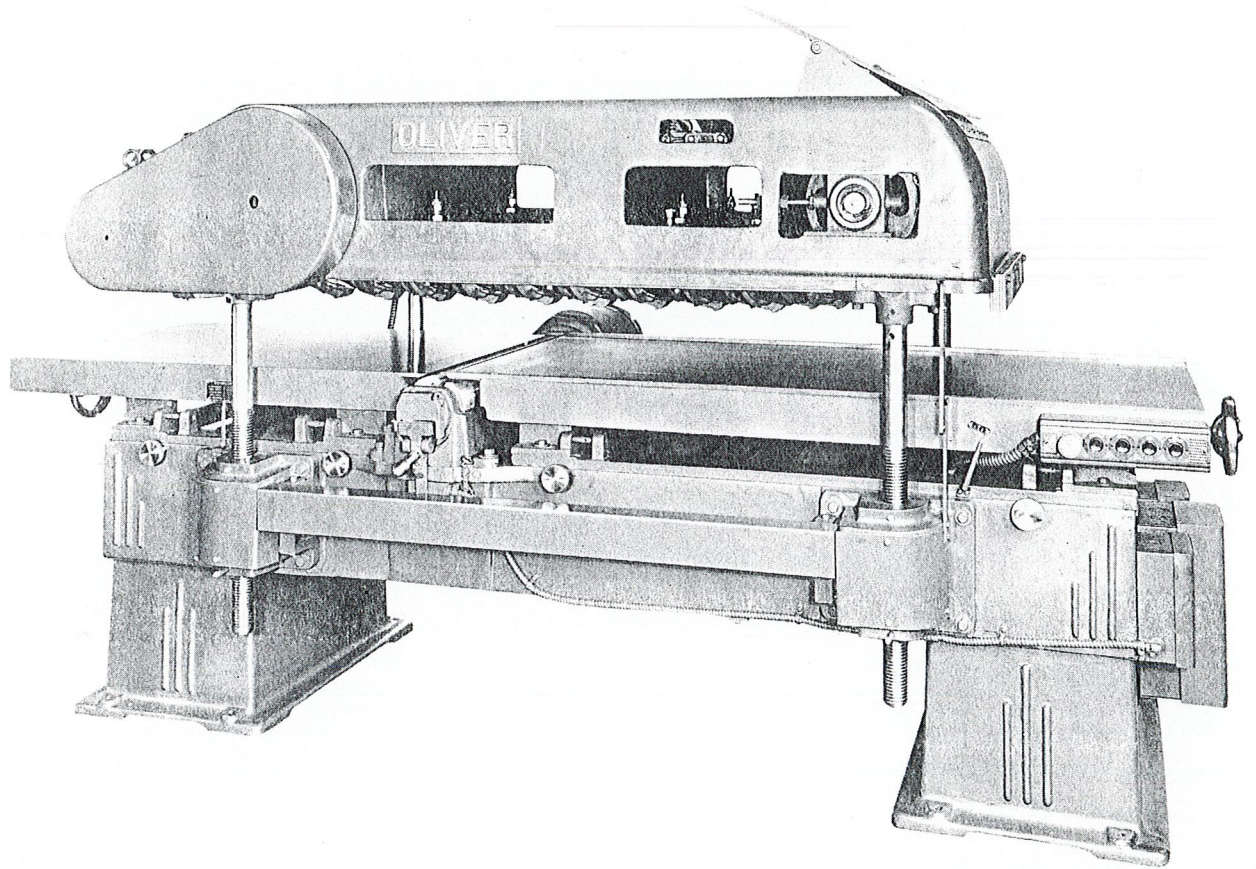




No. 122  
AUTOMATIC FEED  
FACING PLANER



# OLIVER

OLIVER MACHINERY COMPANY, GRAND RAPIDS, MICH. 49504

## INTRODUCTION

This is an automatic feeding Jointer capable of taking any thickness of lumber up to 6" and planing one side perfectly smooth and straight, removing the irregularities or out-of-wind conditions of the board.

## PLANER BASE

Two heavy box shaped semi-steel castings form the base of the machine and support the special extra heavy ribbed bed. These pieces are so designed as to be free from distortion.

## DESIGN

Feed mechanism is similar to the proven design of our No. 170 Straitoplane and is furnished with a 2 H.P. variable speed drive with 3 to 1 ratio giving speeds from 20 to 60 feet per minute. The feed housing unit is mounted on four heavy steel posts that raise and lower the unit by motor drive.

## BED

The bed is a one-piece heavy ribbed semi-steel casting with wide reinforcing cross ribs. The top has a machined dovetailed way to allow horizontal adjustments of the tables on slide frames.

## TABLES

The tables are a heavy box shaped ribbed construction with strong reinforcements and each one mounted on 4 inclined adjustable shoes. Tables are raised and lowered by means of a hand wheel located at the ends of each table. Table units with slide frames can be pulled out away from the cylinder without changing the setup or alignment. This permits easy access to the cylinder head unit. The distance from the front of the infeed table to the center of the cylinder is 65" and the distance from the rear of the outfeed table to the center of the cylinder is 48". Both tables have full length guide strips on each side to guide the stock through the machine.

When machine is sold for use with a conveyor system we can furnish any of the following combinations:

1. Short infeed table for conveyor hookup at infeed only.
2. Short outfeed table for conveyor hookup at outfeed only.
3. Short infeed and outfeed tables for conveyor at both ends of machine.

## CYLINDER

The cylinder motor is mounted directly on one end of the head which rotates on ball bearings.

## KNIFE GRINDER

The feed housing will raise sufficiently high to permit the mounting of a special design knife grinder unit on the rear table. Knives can be safely ground in the machine in a very short time. The Grinder is removed from the machine after grinding the knives. When grinding knives, be sure the rear table is adjusted to the pointer on the side next to the left rear vertical screw. Reset table to cutting edge of knives after grinding.

## POWER HOIST

A separate ¾ H.P. hoist motor is provided to raise and lower the upper feed unit by means of Push Button Control. The high and low positions are protected with limit switches which prevent the operator from damaging the machine. The power is transmitted to the four heavy screws by means of a chain drive. This method is very accurate and requires no maintenance.

## SAFETY CLUTCH

Regular equipment includes a Safety Clutch mounted on the feed motor shaft. If the stock should become wedged or locked in its travel through the machine, the safety clutch will prevent damage.

## SPECIFICATIONS

56" wide (142.24 cm)  
118" long (299.72 cm)  
79" high (200 cm)

## TABLE

30" wide (76.2 cm)  
Infeed length 64" (162.56 cm)  
Outfeed length 47" (119.38 cm)

## CAPACITY

30" wide (76.2 cm)  
½" to 6" thickness (1.27 to 15.24 cm)  
20 to 60 FPM feed speeds

## CUTTERHEAD

4 knives ⅞" x 1⅜" x 30" (.3175 x 3.49 x 76.2 cm)  
Cutting circle 5¾" (14.6 cm)

## MOTORS

Cutterhead 10 H.P., 3600 r.p.m., Direct drive  
Feed motor 2 H.P. Variable speed  
Power hoist motor ¾ H.P.

**SHIPPING WEIGHT** — 7900 lbs.

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