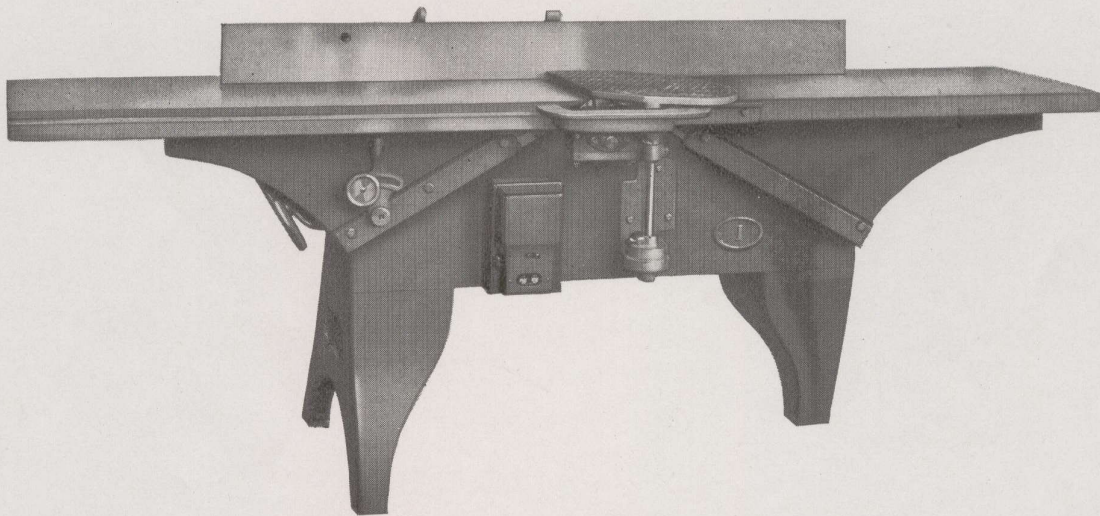


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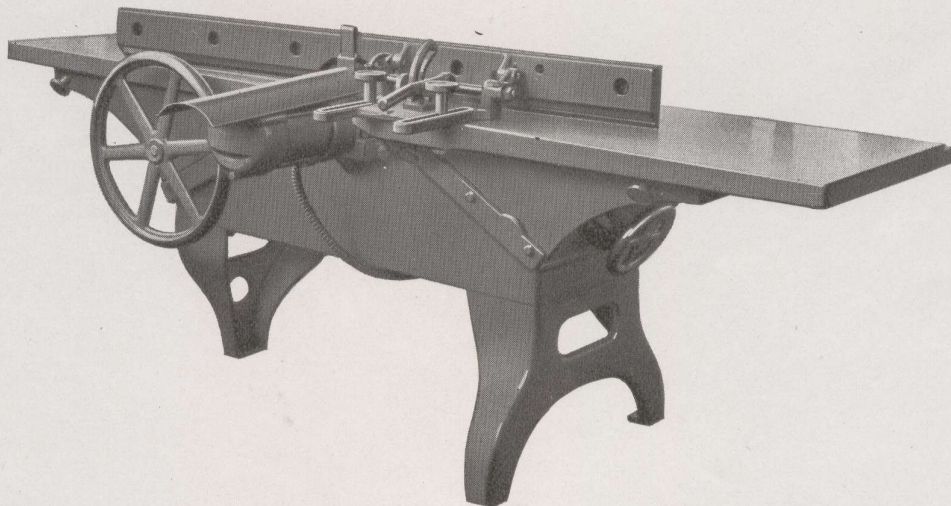
• **YATES-AMERICAN** •

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No. 1  
HAND JOINTER



Front View



Rear View

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**YATES-AMERICAN MACHINE COMPANY**  
**BELOIT, WIS., U.S.A.**

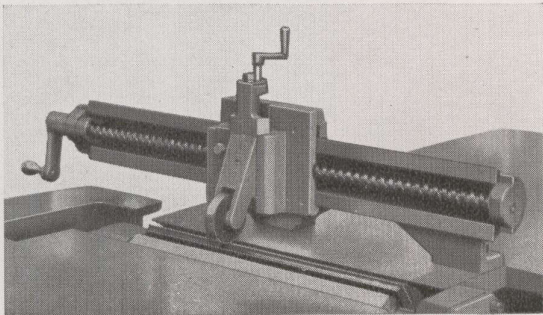
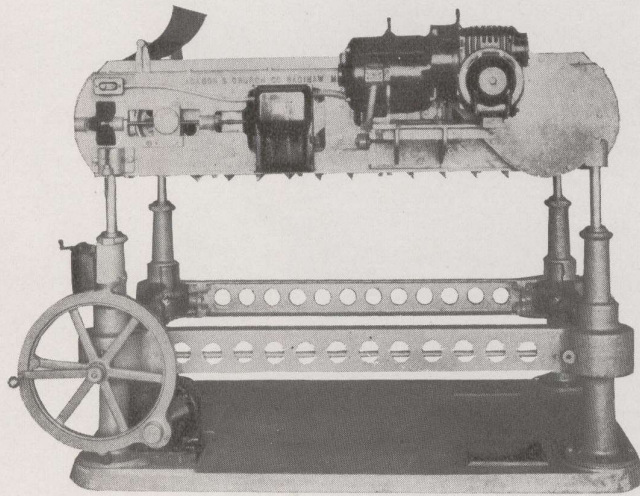
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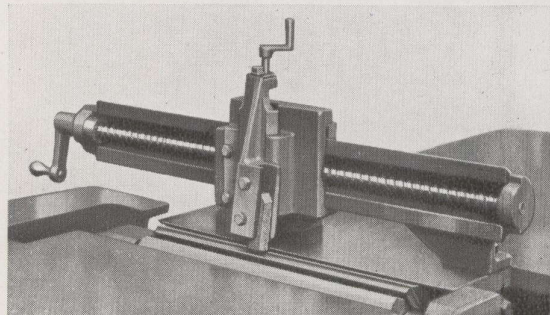
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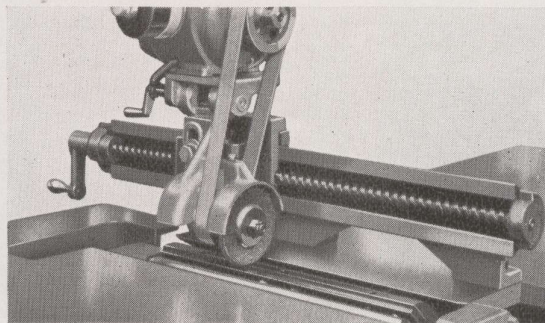
HERZOG  
AUTOMATIC FEEDER  
for use with  
No. 1 Hand Jointer



Roller Knife Set



Cutterhead Jointer



Motor Driven Knife Grinder

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**YATES-AMERICAN MACHINE COMPANY**  
**BELOIT, WIS., U.S.A.**

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## YATES-AMERICAN MACHINE COMPANY

Beloit, Wisconsin

### No. 1 HAND JOINTER

The No. 1 Hand Jointer accomplishes a wide range of work such as squaring, planing out of wind, straightening, glue jointing, beveling, chamfering, rabbetting, cornering, etc. The careful attention to every detail in its design and construction has made it the most popular machine of its kind and the various operations to which it lends itself makes it very desirable for all kinds of woodworking establishments. The smaller sizes are particularly adapted to manual training work.

#### TABLES

The tables are mounted on long continuous inclined ways with locking gibs which arrangement cannot be excelled for securing a permanently level surface. Both tables can be drawn from the cutterhead on a level independently of the inclined ways so as to leave an opening about 7 inches wide for changing knives. Tables are provided with renewable steel lips located close to cutterhead. The rear table has an adjustment for making a hollow or "spring glue joint". This may or may not be used in manual training work. The combined length of the two tables on each size of machine is 8 ft., the widths varying from 12" to 30" according to the head used.

#### CUTTERHEAD

A four-knife round safety cutterhead with four high speed thin steel knives is regularly furnished with the direct motor driven machine, which operates at 3600 RPM; with the belt driven machine a three-knife round head is regularly supplied to operate at a recommended speed of 4500 RPM. The round cutterhead furnished with the No. 1 nearly closes the opening between the tables and goes far to eliminate the danger connected with the operation of a machine of this type. Ball bearings for the cutterhead spindle are regular equipment.

#### EQUIPMENT

One set of high speed steel thin knives, rabbetting bracket, countershaft with pulleys and hangers, and aluminum safety guard. The shaving hood is cast in the base.

SPECIFICATIONS

- TABLES Height to top of table; 33" on 12" machines; 32" on 16" and 20" machines; 31" on 24" machines; 30" on 30" machines.
- HEAD 3-knife round furnished with belt drive and 4-knife with direct motor drive. 4-1/4" cutting circle on 12, 16, 20 and 24" machines. 5" cutting circle on 30" machine. Ball bearings regular equipment.
- DRIVE Roller bearing countershaft with pulleys and hangers furnished. Size of tight and ball bearing loose pulleys: 8 x 4-1/2" on 12", 16", 20" and 24" machines; 10 x 6 3/4" on 30" machines; RPM 900.
- OTHER EQUIP. Fence, safety guard front and rear, and rabbetting bracket furnished, to rabbett 5/8" deep. Shaving hood cast in base.
- HP On DMD 12", 16", 20" 5 HP; on 24" machines 7 1/2 HP; on 30" machine, 10 HP. When machine is fitted with a Herzog Four Post Feeder increase HP 100%.

CODE

EXTRA EQUIPMENT

- CEAKZ Motor knife grinder (M-24)
- CEDOS Jointing attachment with bar,
- CEEVL Rabbetting gauge and table.
- CEEXN Spring attachment for running mouldings.
- CAWAV Motor mounted on special base attached to machine for belt connection, no motor.

| CODE  | TYPE | SIZE | FLOOR SPACE | WEIGHT |
|-------|------|------|-------------|--------|
| ADEZP | BD   | 12"  | 2'9" x 7'   | 1650   |
| ADFAN | BD   | 16"  | 3'1" x 7'   | 1980   |
| ADFEP | BD   | 20"  | 3'5" x 7'   | 2310   |
| ADFIR | BD   | 24"  | 3'9" x 7'   | 2530   |
| ADFOS | BD   | 30"  | 4'1" x 7'   | 3300   |
| AHGEC | DMD  | 12"  | 2'9" x 7'   | 1650   |
| AHGID | DMD  | 16"  | 3'1" x 7'   | 1980   |
| AHGOF | DMD  | 20"  | 3'5" x 7'   | 2310   |
| AHGUG | DMD  | 24"  | 3'9" x 7'   | 2530   |
| AHIBD | DMD  | 30"  | 4'1" x 7'   | 3300   |

Direct motor drive has built-in AC 3600 RPM ball bearing motor direct connected to cylinder with push button operated magnetic switch with overload and undervoltage protection.

## HERZOG AUTOMATIC FEEDER

Yates-American offers the Herzog Automatic Jointer Feeder which for simplicity of construction, positive action, safety and all around service rendered is unexcelled. With this machine, especially in the larger sizes, about four times the amount of work can be done in comparison with hand feeding. The feeder consists of an endless chain conveyer fitted with  $5/8$ " square hardened steel fingers placed staggered and having independent spring pressure, the action of which simulates that of the fingers of the human hand. The four post machine is furnished in 16", 20", 24", 30" widths. This tool will stand long hard service and several thousand are in use all over the world.

### SPECIFICATIONS

#### JOINTER AND HERZOG FEEDER

##### REGULAR EQUIPMENT

- DRIVE The four post feeder is driven by means of a motor reducer mounted on a bracket on the left side of the machine. The driving is done by a roller chain running in oil. Different speeds can be accomplished through a change of sprockets. Regular feed rate 40 ft. Feed chain sprocket shafts mounted in roller bearings.
- MOTORS 16", 20" and 24" machines, 1-1/2 HP  
30" machines, 2 HP.
- FINGERS Fingers are staggered on 4-1/2" centers and on 1 1/2" centers across the chain. Fingers are 5/8" square hardened steel, reversible, each finger actuated by a coil compression spring.

##### EXTRA EQUIPMENT

- The raising and lowering of the attachment is accomplished through screws actuated by cut bevel gears, mounted on ball bearings.
- CHILH Power raising and lowering device with motor included for 24", 30" four post feeders. 3 phase, 60 cycle, 220 volt.
- COKAW For 3 phase, 60 cycle, 440 or 550 volt.

FOUR POST FEEDER  
WITHOUT SUB-BASE

| CODE  | TYPE | SIZE | FLOOR SPACE  | WEIGHT     |
|-------|------|------|--------------|------------|
| AHEPR | DMD  | 16"  | 3'6" x 6'8"  | 2300       |
| AHERS | DMD  | 20"  | 3'10" x 6'8" | 2450       |
| AHEST | DMD  | 24"  | 4'2" x 6'8"  | 2600       |
| AHETV | DMD  | 30"  | 4'7" x 6'8"  | 3000       |
| AHEWX | DMD  | 16"  | 3'6" x 6'8"  | 3200)      |
| AHEXY | DMD  | 20"  | 3'10" x 6'8" | 3500) with |
| AHEYZ | DMD  | 24"  | 4'2" x 6'8"  | 3800) sub- |
| AHEZB | DMD  | 30"  | 4'7" x 6'8"  | 4200) base |