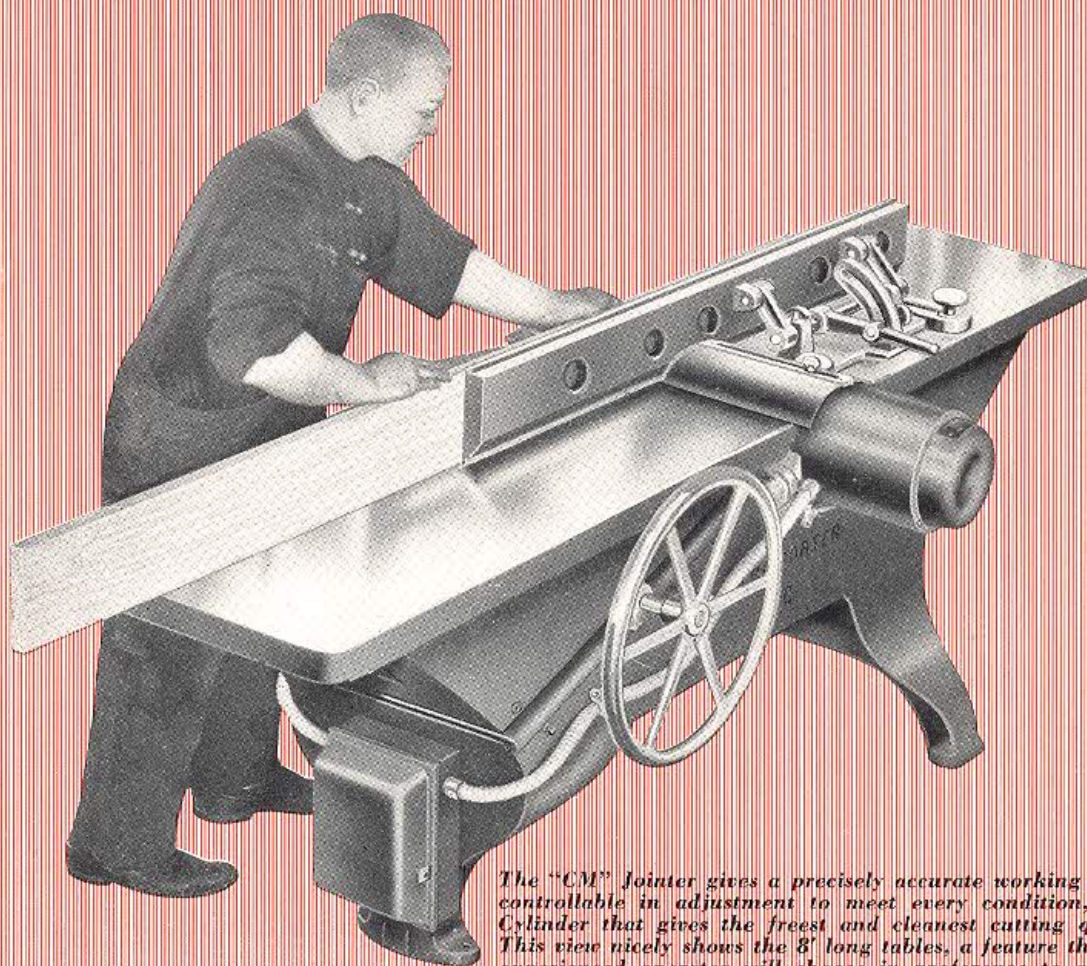


THE PORTER

*No. 300 Type "CM" 8 ft.
Incline Bed Hand Jointer*



The "CM" Jointer gives a precisely accurate working surface, controllable in adjustment to meet every condition, with a Cylinder that gives the freest and cleanest cutting qualities. This view nicely shows the 8' long tables, a feature that every experienced operator will choose in preference to a shorter working surface.

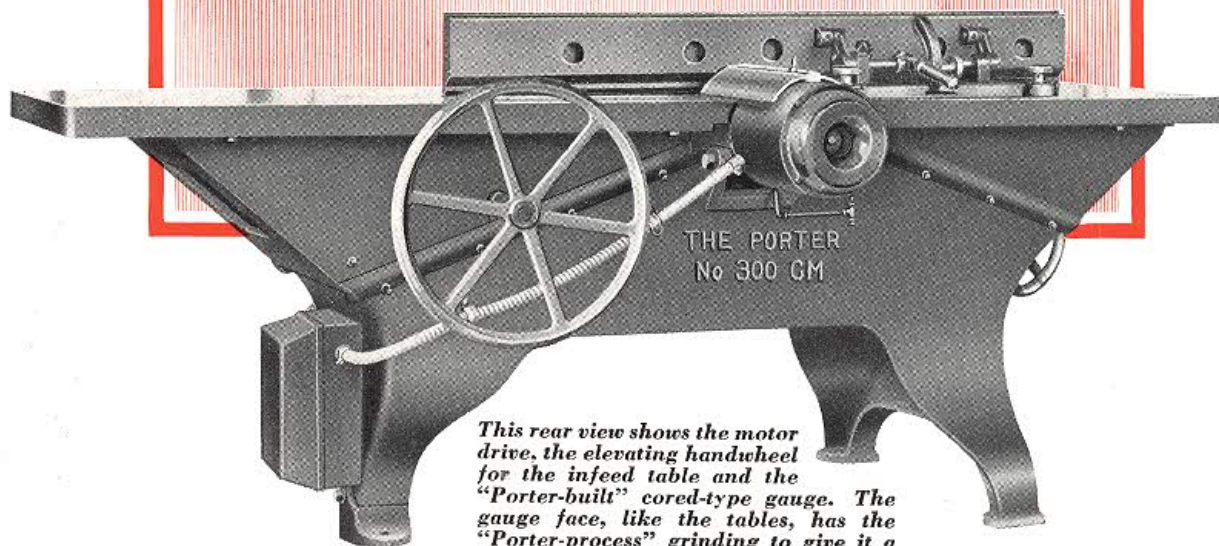


"The Porter" "CM" Jointer cuts a perfect joint always.

BUILDING of first-class Hand Jointers and the "Porter" name have been closely associated, for we have put the best we have into the construction of these finer, specialized machines.

The No. 300 Type "CM" 8' Bed Buzz Planer has characteristics that will impress you. Understand that this machine is not an "also ran," but it has been designed and built with the specific thought in mind of making it the finest possible. After all, it takes the physical machine and the physical operator running stock over the tables to prove the mettle of it, but, unfortunately this can't be fully proven except as this machine is run for many years, as its real endurance is a mighty potent factor.

We make the No. 300 a challenger for endurance and general satisfaction, and base this claim on its fine background of service. It is a machine for which any manufacturer who installs it can be justly proud; but we ask that you verify this statement by the facts on the following pages.



This rear view shows the motor drive, the elevating handwheel for the infeed table and the "Porter-built" cored-type gauge. The gauge face, like the tables, has the "Porter-process" grinding to give it a perfect contact with the stock.

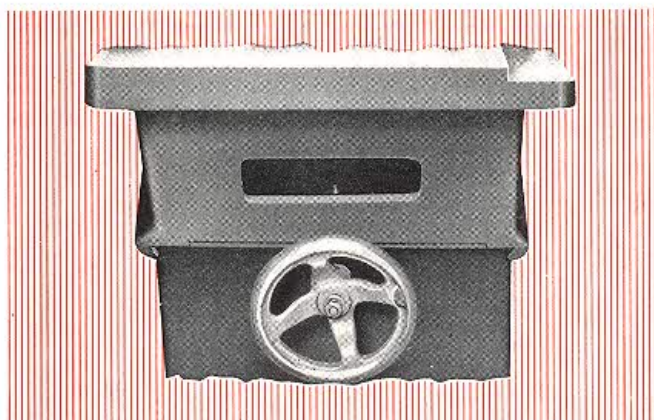
SPECIFICATIONS

Application:

The No. 300 "CM" Jointer is used for planing out of wind and edge-jointing. Also rabbeting, beveling and squaring-up.

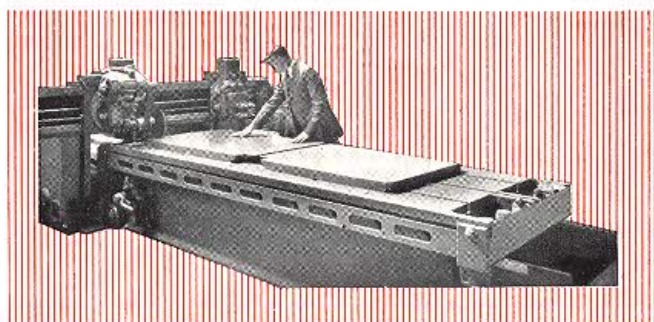
Base:

This rugged foundation is important. The upper ways are most carefully machined to receive the dovetails of the exclusive "Porter" sliding frame and rear incline. The base is supported by a double



The incline on the Type "CM" "Porter" Jointer is dovetailed and gibbed to the main base. We term it "better construction," and it is.

leg and a single leg having a self-adjusting foot. This construction, like the camera tripod, means a non-distorted machine, regardless of the kind of floor it is set upon.



The grinding of the tables on the "CM" Jointer is far too expensive to make it just a useless talking point. It is a predominating characteristic of "Porter" Jointers and its purpose is to produce an extremely accurate and very durable working surface. When we say thorough grinding, we differentiate from the "get by" method. It is "Porter-process" ground for your long-term benefit.

Tables:

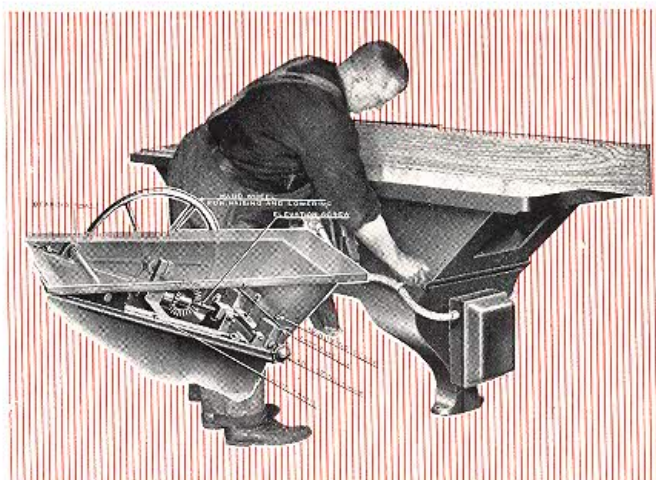
The tables on the Hand Jointer are one of the most important parts. On the "Porter" they are thick, rigidly ribbed, and have an aggregate length of eight feet. Dovetailed steel lips are used because they augment extreme accuracy. The tables are accurately planed and then given a thorough grinding by the "Porter" process. This increases the durability and makes the stock slide very easily. The 8-foot tables are predominantly "Porter."

Sliding Frame:

This, the intermediate link between the infeed incline and the base, is characteristic of the intense effort used to make this the most durable Hand Jointer. Its purpose is to give a full bearing on the main base at all times, irrespective of the fact that the end of the infeed incline can be moved up and down to provide for making spring joints, which is easily accomplished by the convenient hand knob of the infeed incline.

Inclines:

The inclines on this machine help to make it the tool that it is. From tip to tip, the extreme length of the inclines nearly approaches the entire table length, giving the tables the proper support. Accuracy is here an extreme requisite. The front incline rests on "The Porter" sliding frame (see caption below), while the rear incline is directly dovetailed to the base. Gibs for holding the inclines solidly to the main base are adjustable.

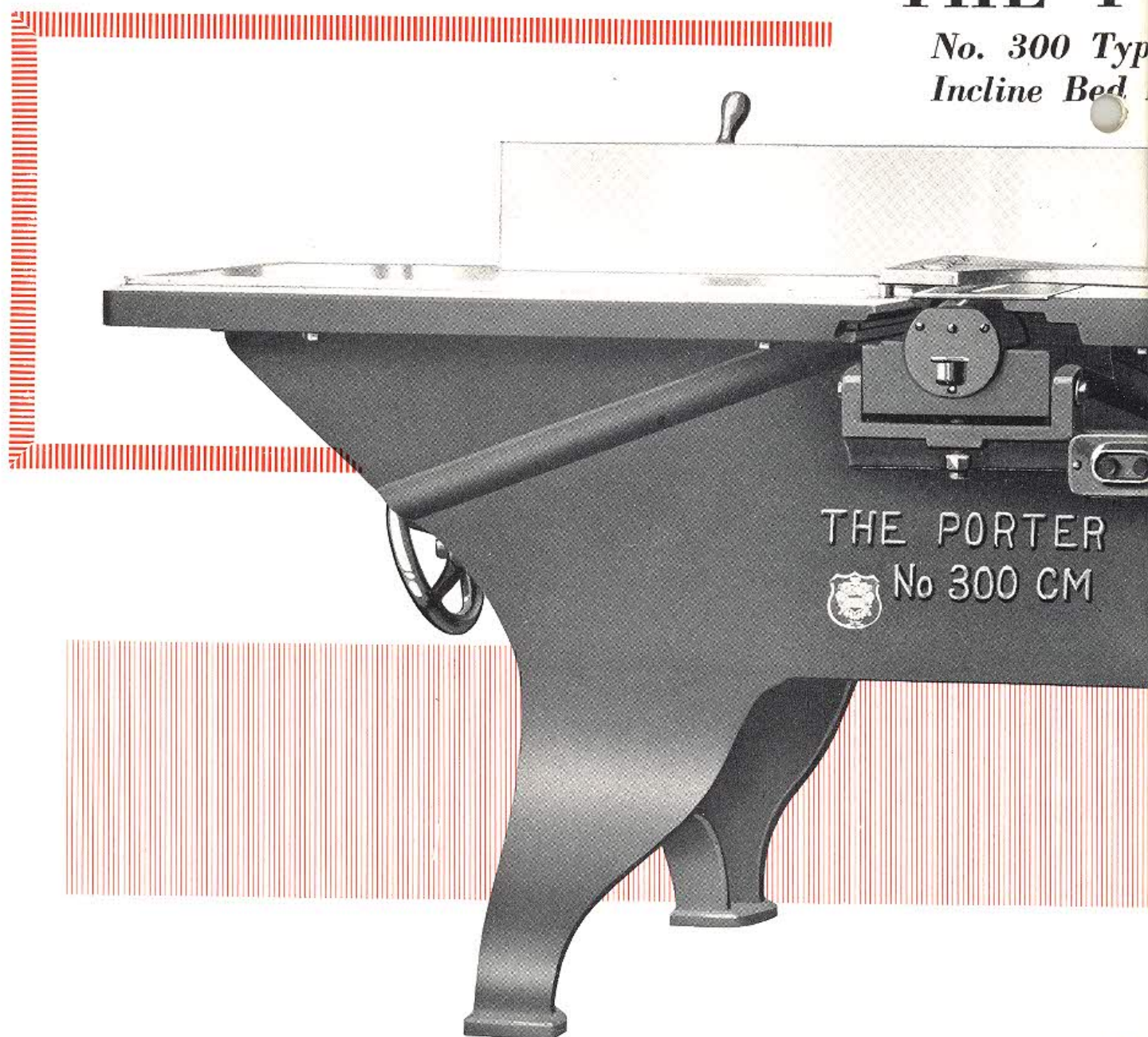


When you are jointing long stock and the joint just won't come right, there is an easy way out with the "Porter" "CM." The adjustment knob solves the problem completely. The inset shows the intensive attention to construction that helps to make the "CM" exceedingly convenient and durable.



THE P

No. 300 Typ
Incline Bed



*This, The Finest
"Porter" Jointer Ever Built*





PORTER
BUILT

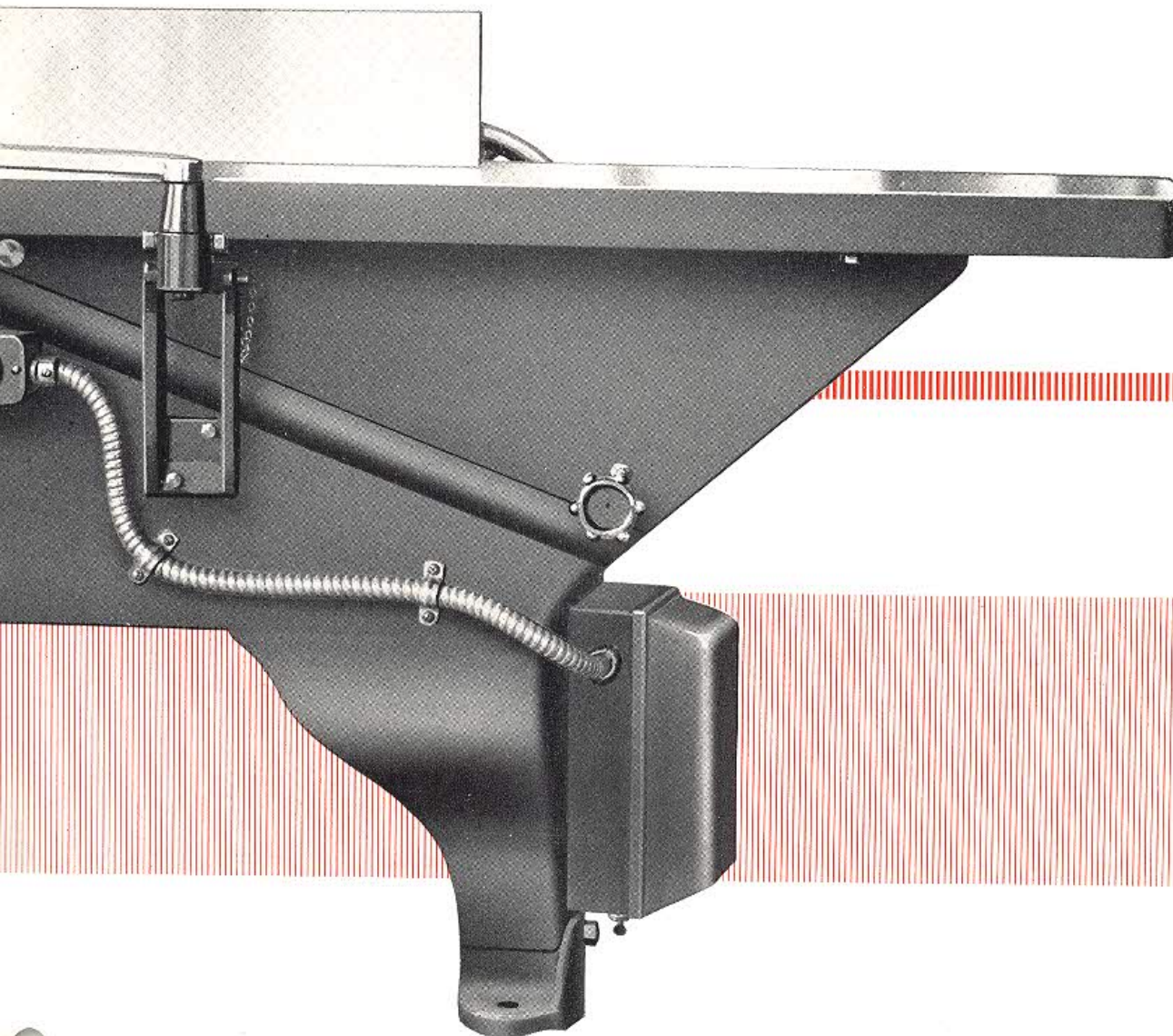


FINER
PERFORMANCE



PORTER

e "CM" 8 ft.
Hand Jointer



Without exception, this is the finest "Porter" Jointer ever built. Its 8-foot tables are an achievement. They are accurate to an extreme degree, from tip to tip, a positive assurance of faultless work. Its dovetailed inclines are very important. Its one-piece, self-contained, cylinder-carrying yoke is strictly "Porter." Its construction means continuously accurate work, without the necessity of petty adjustments. Throughout the machine, and in no one single part, the touch of craftsmanship, in both design and building, is expressed to an unusual degree. It is the finest "Porter" Jointer ever built.



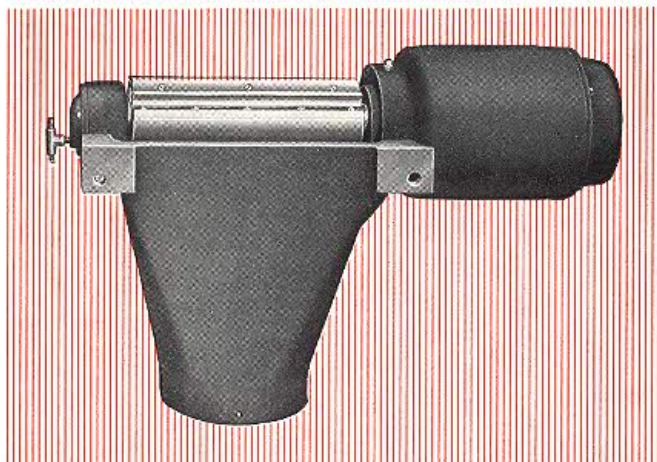
"PORTER-BUILT" FOR FINER PERFORMANCE



SPECIFICATIONS — Continued

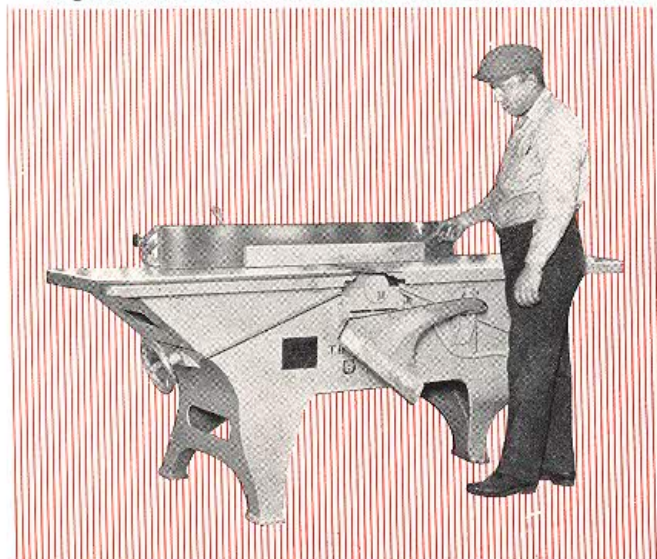
Yoke: (See Motor Drive)

This part, which carries the cylinder, is constituted by the bearing housings, motor housing, shaving chute—all integral. Complete boring at one setting



The one-piece yoke is another contribution to Hand Jointer building. Ball bearing housings and the motor housings, by being bored with extreme care, are positively concentric. This precludes an equal air-gap between motor parts, the rotor and the stator. No adjustments are ever required. The shaving chute integral with the other parts is extremely handy to make blow-piping a simple matter.

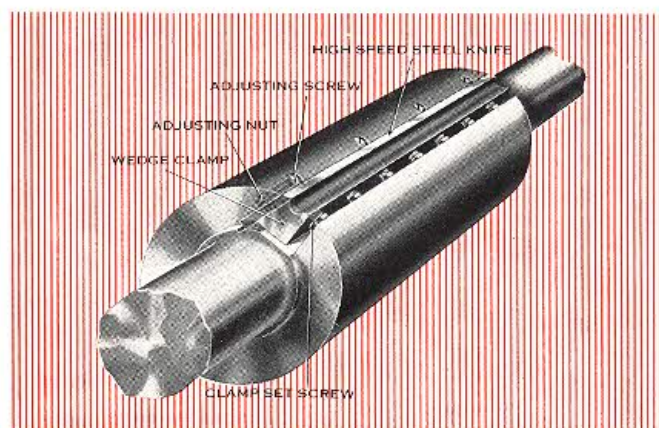
assures extreme concentricity. The yoke is adjustable at one end to place the cutting circle of the knives in an exact plane with the table after grinding knives. It is rigidly held by large cap screws.



A simple picture, to be sure, yet it tells volumes. It shows why "The Porter" is a fine machine. With knives sharpened, this man is taking a very light piece of stock, standing it on edge and buzzing it to a finished joint. It is just a slight demonstration to show the downright merit of this machine.

Cylinder Head:

Another carefully considered part which makes the advanced No. 300 possible. It is a one-piece, high carbon forging, completely machined and then ground to accuracy. It features "The Porter" combined knife wedge and chipbreaker, has a 5" cutting circle, and is regularly furnished with three genuine high speed steel knives. Fast cutting, free cutting, accurate cutting are characteristics of it. Very thorough balancing is given by an exclusive "Porter" method.



"The Porter" Type "C" Safety Cylinder is strictly "Porter." Not only is it carefully machined, but it is ground to perfection. Its free-cutting characteristics mean faster work, a cleaner job, a better joint or face. Its simplicity means that it is continuously ready for work. By an exclusive method, it is given most painstaking running characteristics, and is balanced to run at much higher speeds than 3600 RPM, as obtained from 60 cycle operation.

Bearings:

These unseen but vitally important parts are precision, deep groove type, the best obtainable. Their large factor of safety and care in mounting is assurance that traditional "Porter" durability is carefully guarded. They are oil-lubricated.

Motor Drive:

The construction used represents "Porter" thoroughness. The motor field is inserted into its housing, which is integral with the rest of the yoke, and the rotor, or revolving member, is slipped onto the extension of the cylinder shaft. Because of the construction, the air gap in the motor is equal at all points and it remains so. It is real fool-proof construction, and especially fine for the long run. With this type of drive, this Jointer can be furnished for 220, 440 or 550 volt, 50 or 60 cycle, 2 or 3 phase. Other styles of drive to suit direct current, lower frequency, or attain higher cylinder speed on 60 cycle can be supplied.

SPECIFICATIONS — Continued

Control:

A relay magnetic push button control, with overload and under-voltage protection, is furnished, and the control button is mounted very accessible to the operator.

Belt Drive:

The machine can be furnished with a cylinder pulley and countershaft. A ball bearing loose pulley on the countershaft may be had at additional cost.

Gauge (Fence):

Not only is this of the quickly adjustable type, but it is very rigid and resists all tendencies to distort when pressure is applied. It is of the cored construction, is fully adjustable, indicates the degree of tilt, and has that finishing touch—a face with the "Porter-process" ground surface.

Guards:

"The Porter" Aluminum Swing-Out Type Guard covers the knives, and may be swung out of the way when rabbeting, but it never leaves the machine. A special adjustable guard to cover the rear of the cylinder is attached to the motor housing.

Equipment:

Includes a set of three knives in the head, gauge, guard, cylinder wrench, screw driver, and general purpose wrench.

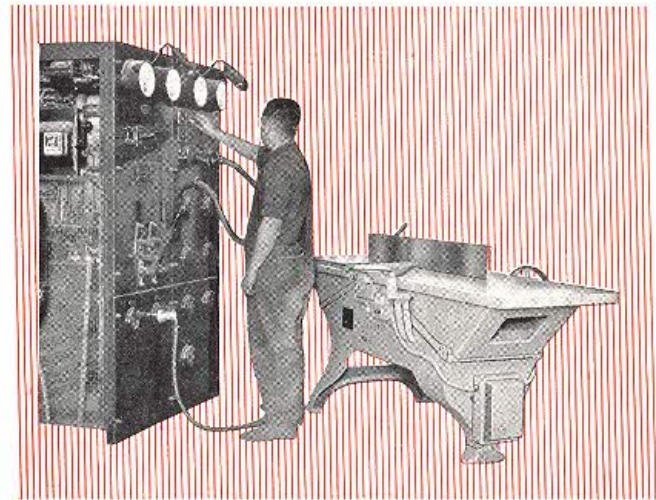
On the motor-driven machine, the motor and push button control are furnished completely wired.

Test:

Each machine is thoroughly tested for cutting, general running and to prove the electrical equipment.

Guarantee:

The usual "Porter" unconditional guarantee against defective material and imperfect workmanship applies.



Adequate testing facilities approve every "CM" Jointer shipped. The customer is assured of long and timely service.

TECHNICAL SPECIFICATIONS

COMMON TO MOTOR AND BELT-DRIVEN TYPES (HAND FEED):

Width of cut	12"	16"	20"	24"
Extreme width of tables	18 1/2"	22 1/2"	26 1/2"	32"
Overall length of tables	96"	96"	96"	97"
Length of front table	53"	53"	53"	50"
Length of rear table	41"	41"	41"	45"
Length of top inclines with tables removed	82"	82"	82"	86"
Width of top of inclines	17"	21"	25"	30"
Height	33"	33"	33"	33"
Base bearing	27" x 52"	31" x 52"	35" x 52"	40" x 52"
Number of knives in head, regular	3	3	3	3
Cutting diameter of cylinder	5"	5"	5"	6 1/4"
Width and thickness of knives	1 1/2" x 1/8"	1 1/2" x 1/8"	1 1/2" x 1/8"	1 1/2" x 1/8"
Vertical adjustment	3/4" plus	3/4" plus	3/4" plus	3/4" plus
Dimensions of gauge wing	54" x 6 1/2"	54" x 6 1/2"	54" x 6 1/2"	54" x 6 1/2"

COMMON TO MOTOR-DRIVEN TYPE ONLY:

Horsepower furnished	4	4	5	10
Speed of cylinder	3600 sync.	3600 sync.	3600 sync.	3600 sync.
Net weight of machine, approximate	1600 lbs.	1850 lbs.	2000 lbs.	2400 lbs.
Crated weight of machine, approximate	1800 lbs.	2050 lbs.	2250 lbs.	2750 lbs.
Add to crated weights for export boxing	400 lbs.	400 lbs.	500 lbs.	600 lbs.
Cubic measure boxed for export	95'	105'	110'	120'
Overall floor space required	32" x 96"	36" x 96"	42" x 96"	53" x 97"

COMMON TO BELT-DRIVEN TYPE ONLY:

Horsepower recommended	3	3	3	7 1/2 to 10
Dimensions cylinder pulley	4" dia. x 4 1/2"	4" dia. x 4 1/2"	4" dia. x 4 1/2"	5 1/2" dia. x 5 1/2"
Dimensions tight and loose pulleys on countershaft	8" x 4"	8" x 4"	9" x 5"	10" x 6"
Dimensions drive pulley on countershaft	16" x 4"	16" x 4"	18" x 5"	20" x 6"
Speed of countershaft, approximate	1200 R.P.M.	1200 R.P.M.	900 R.P.M.	1000 R.P.M.



PORTER
BUILT

PORTER
BUILT



FINER
PERFORMANCE

PORTER
BUILT



BRISTOL DOOR & LUMBER CO.

MANUFACTURERS OF
LUMBER AND MILLWORK

BRISTOL, TENN.



C. O. Porter Machinery Co.,
655-658 Front Ave., N.W.,
Grand Rapids, Mich.

W. D. CAMP, President
J. B. BENTLEY, Vice President
L. W. BENTLEY, Treasurer
W. E. CAMPBELL, Secretary
J. B. BENTLEY, General Manager
W. D. CAMP, Sales Manager
W. E. CAMPBELL, Sales Manager
J. B. BENTLEY, Sales Manager

Gentlemen:

In reply to your letter of September 8th, we wish to advise you that the 12" and 16" incline bed hand jointers that we purchased from you are now installed and it will be perfectly satisfactory with us for you to have a photographer call at our plant and make a picture of each of these installations.

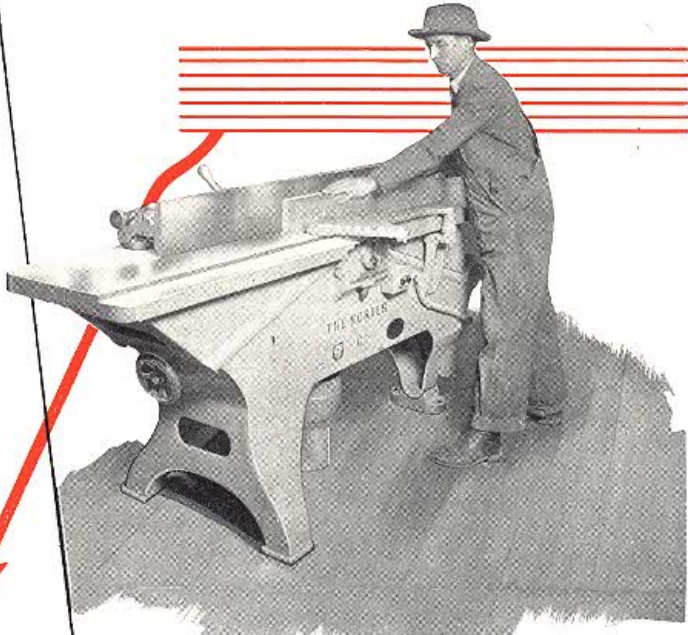
We also wish to advise you that we are highly pleased with these two machines. They are faster cutting machines than other makes that we have in our plant and we believe that we can say that they are more convenient and easier to operate. The 8 foot tables are of particular advantage in jointing long length stock.

Yours very truly,

BRISTOL DOOR & LUMBER COMPANY

W. E. Campbell
Secretary

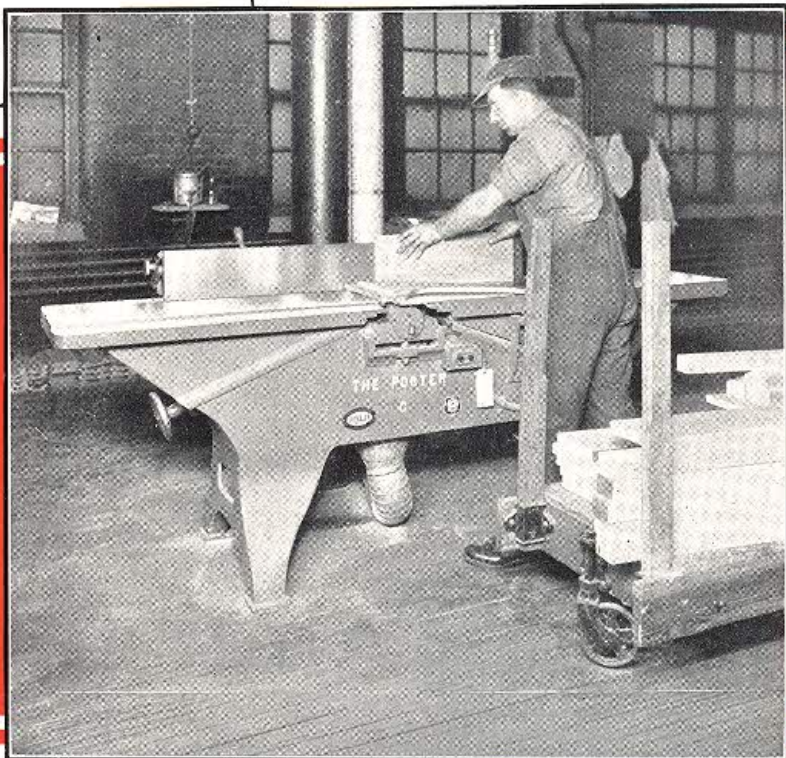
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Above—The "CM" Hand Jointer at the Bristol Door and Lumber Company, Bristol, Tennessee.

Below—A. Lualldi, Inc., Cambridge, Massachusetts, will continue to have 100% Jointer service for years to come.

If this bulletin has not shown you the effort expended in both design and workmanship to make the "Porter" No. 300 Type "CM" Jointer the finest yet, we urgently suggest that you see this machine and check it over point for point. Then you will positively be "sold" on the fact that in the long run the "Porter" is a masterpiece, the class of equipment that is a lasting profit-maker.



C. O. PORTER MACHINERY COMPANY
GRAND RAPIDS, MICHIGAN

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