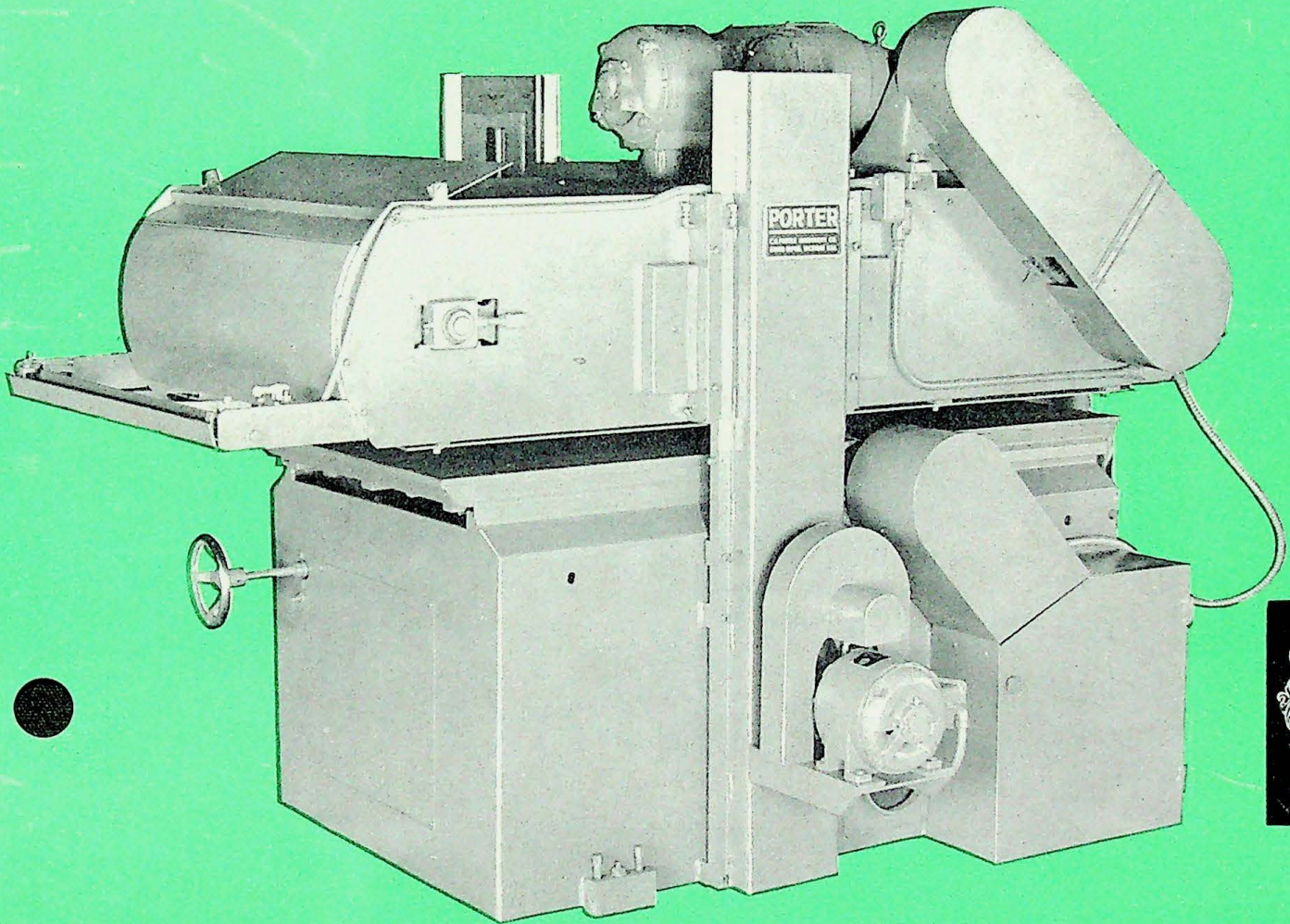
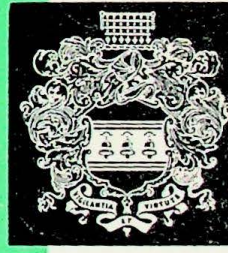


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*designed*



*dividend*

THE 715 SURFACEMASTER FACING PLANER

is an essential part of "PORTER METHOD" Rough Mill Systems for leveling winding stock, removing high spots, and facing operations.

**PORTER**

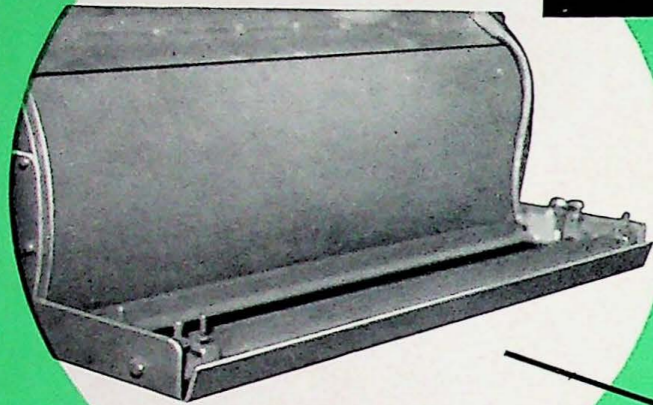
**715 surfacemaster**

BELT DRIVE

SOLD BY  
 MEMPHIS MACHINERY & SUPPLY CO.  
 901 So. Front St. - Memphis, Tenn.  
 JACKSON 7-4443

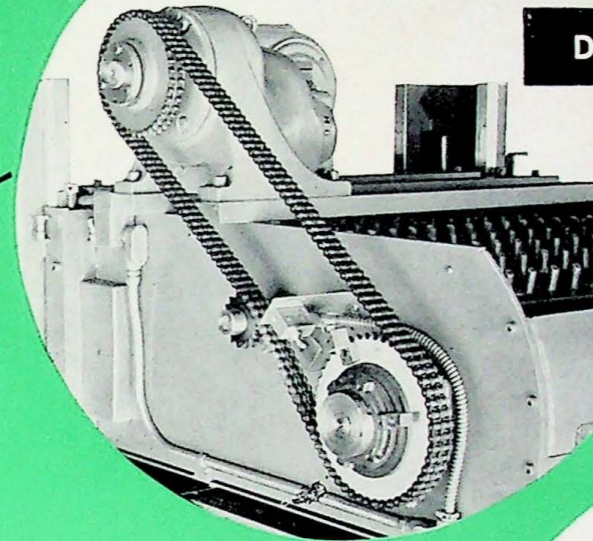
# the *dividend designed* PORTER 715 surfacemaster facing planer gives you more "board feet per day" with these special features . . .

## INFEED SAFETY BAR



The INFEED SAFETY BAR is designed to protect the pin retainer bars. PORTER technicians adjust the Infeed Safety Bar at the factory, so that if stock variation is greater than the deflection of the pins the Safety Bar will shut off the feeder mechanism rather than damage the pin bars. This adjustment is easily maintained.

## DRIVE MECHANISM



The DRIVE MECHANISM is protected by a Friction Plate Clutch which also protects the pins and pin retainers in case of a jam. This Clutch is equipped with a Micro Switch, so adjusted that if the Clutch slips, the Micro Switch is tripped, stopping the feeder mechanism. All adjustments of the Micro Switch have been factory-made and double-checked, and are easily maintained.

## OUTFEED TABLE

The OUTFEED TABLE is tangent to the cutting circle of the cylinder, and can be raised or lowered by means of the outfeed elevating hand-wheel, located conveniently on the outfeed end of the machine.

Both Outfeed and Infeed Tables are grooved and ground to reduce surface friction.

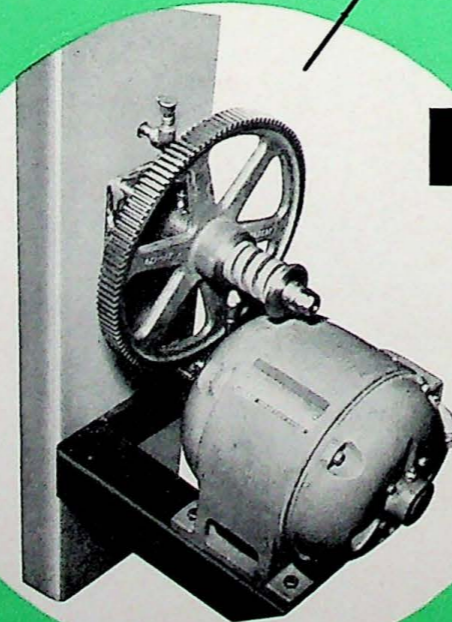
Ball-bearing roller INFEED TABLE is available at nominal extra cost. This type of table almost completely eliminates any drag on the stock.



**BALL-BEARING ROLLER INFEED TABLE**  
available at nominal extra cost

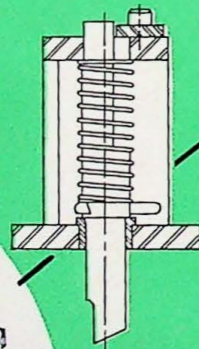
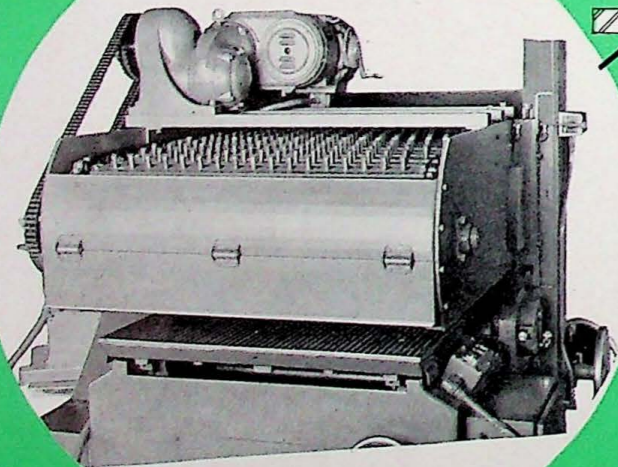
## ELEVATION MECHANISM

The ELEVATION MECHANISM is also protected by the cone type friction Clutch. The Elevating Switch has a spring return by which the operator holds the switch to either side while raising or lowering the feeder assembly. And the feeder assembly has two Switch Brackets, which trip the switch at the high or low limit of travel. Dead stops are provided, making it impossible to lower the pins into the cutter head. Two safety nuts are provided on the elevating screw, making it impossible for the feeder assembly to drop more than 3/4 of an inch in case of failure of the elevation screw nut due to excessive wear or improper lubrication.



## DRIVING SPIKES

The DRIVING SPIKES makes this a leveling and not a planing operation by accommodating themselves to the "twist" of the stock. And the Driving Spikes are easy on the stock. Should there be a tendency for the stock to slip, a following Spike in its lowest position will come along and drive it through.

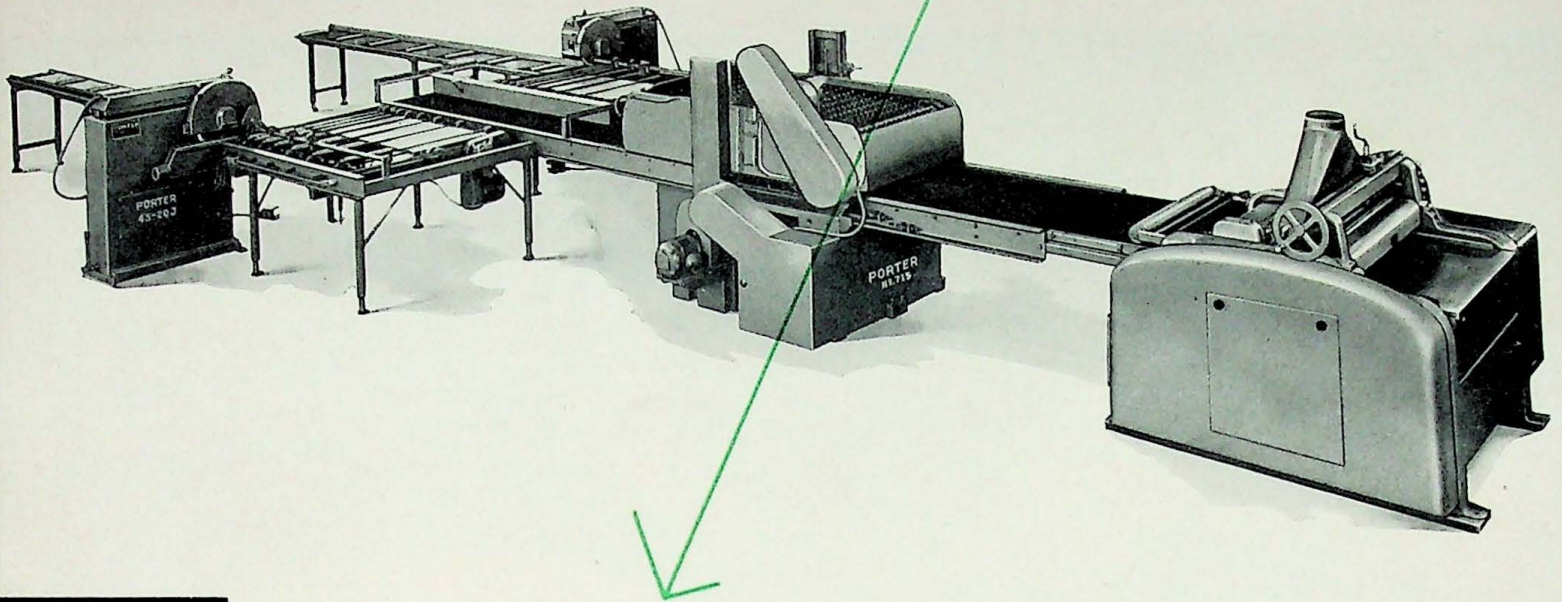
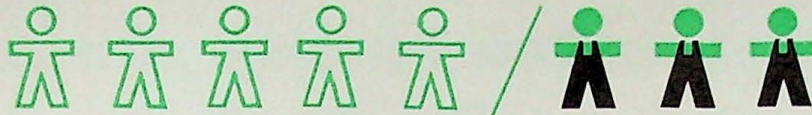


The 715 Surfacemaster is another "PORTER METHOD" product for cutting costs and increasing earnings—typical of all units in PORTER Rough Mill Systems. Designed to efficiently accommodate conveyors it offers variable speed from 40 to 120 feet per minute, for stock width from 24" to 36". Spindle speed of 5100 RPM with belted motor drive. Its easy adaptability to conveyors for fast feeds, free cutting, and capacity to turn out stock with one flat side in volume makes this the finest PORTER Facing Planer ever produced.

The all-steel construction offers the many advantages of steel, which is twice as rigid as cast iron, won't break, and structurally adapts itself completely to rigid internal bracing.

Here is another result of PORTER pioneering in the woodworking industry—of PORTER engineering for "custom made" systems to fit particular rough mill applications—of PORTER construction which offers more than ample strength for the work at hand—of PORTER service by engineers who will visit your plant to personally study and help solve your lumber handling and processing problems—and of PORTER savings in man-hours which pay for PORTER METHOD Rough Mill Systems and equipment.

If you have not received your copy of the new PORTER Catalog, "More Board Feet Per Day," send for your copy now.



## the **715** surfacemaster

AS A VITAL PART OF A **PORTER** ROUGH MILL SYSTEM WILL FREE SEVERAL MEN FOR OTHER WORK. THE ABOVE ILLUSTRATION FREES **5** OUT OF **8** MEN FOR OTHER WORK.



### OPERATING AND TECHNICAL SPECIFICATIONS

	715-24	715-36		715-24	715-36
Width of cut	24"	36"	Horsepower cylinder & feed motors	10 and 1½	15 and 2
Extreme width of tables	24"	36"		Speed of cylinder (full load) Belted Motor model	5100 RPM
Overall length of tables (Conveyor model) long stock also rests on conveyors)	73"	73"	Rate of feed		40-120 ft./min.
Length of infeed table (Conveyor Model)	42"	42"		Distance feed will rise above table	18"
Length of Outfeed table (Conveyor Model)	29"	29"	Overall floor space required (conveyor model)		103" x 63"
Height of table top	35"	35"		Overall height	75"
Base bearing	68" x 31"	68" x 43"	Net weight of complete machine		6200 lbs.
Length of contact of feed chain with stock	70"	70"		Crated weight	6600 lbs.
Number of knives in head	4	4	Weight boxed for export		7200 lbs.
Cutting diameter of cylinder	5½"	5½"		Cubic measure boxed	400 cu. ft.
Size of knives	24¼" x 1½" x ⅛"	36¼" x 1½" x ⅛"			

PORTER Electric Knife Grinder furnished as optional equipment.

dividend designed

# C. O. PORTER MACHINERY CO.

666 FRONT AVENUE, N. W., GRAND RAPIDS, MICHIGAN