

GOSSEN STEREOTYPE EQUIPMENT



STEREOTYPE EQUIPMENT



GOSS

THE GOSS PRINTING PRESS COMPANY
CHICAGO, ILLINOIS

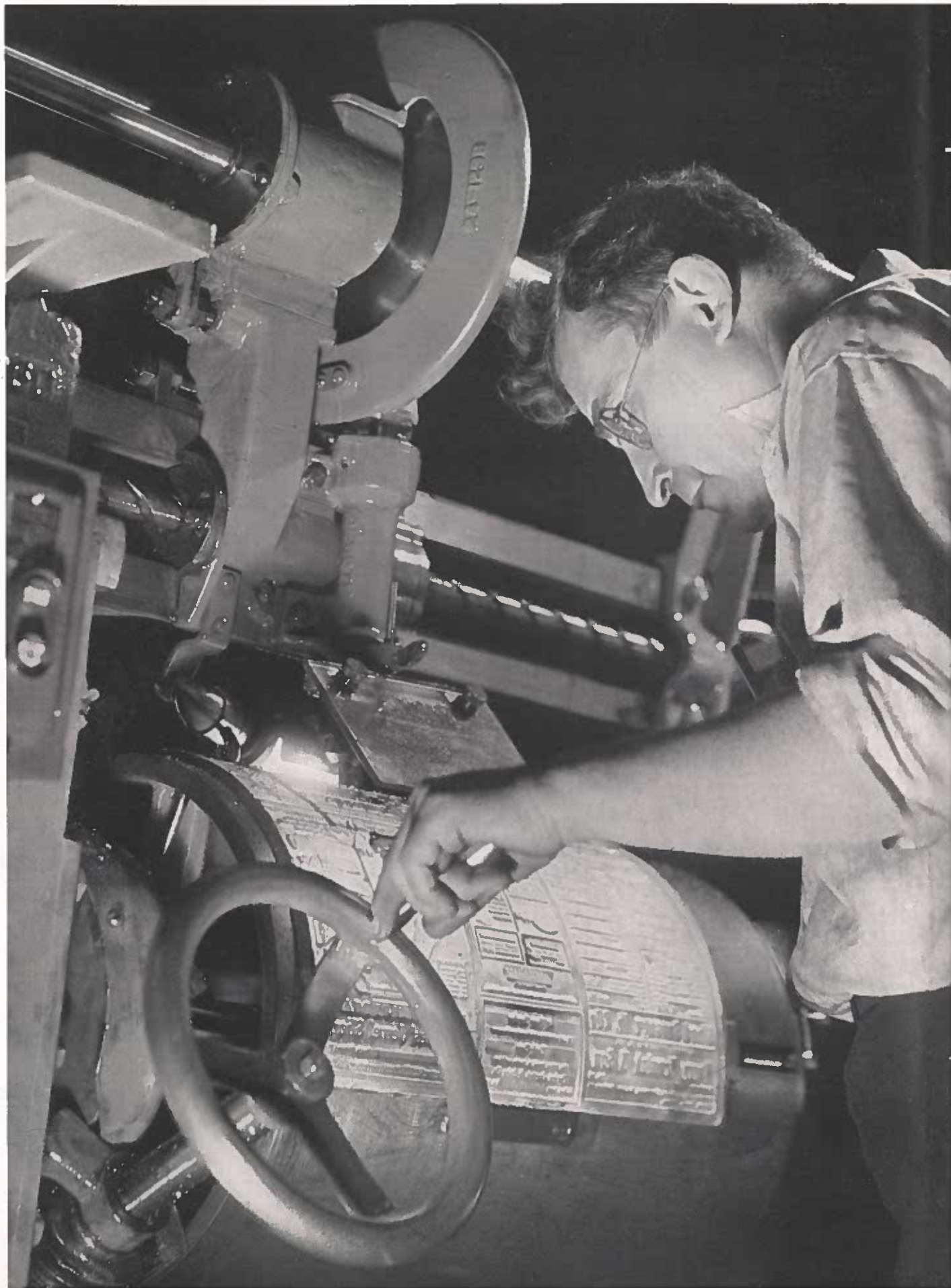
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THE GOSS PRINTING PRESS COMPANY
OF ENGLAND, LTD. LONDON

SPECIFY "GOSS"

● FOR BETTER RESULTS IN THE STEREO ROOM



TRIED AND PROVEN

IN LEADING PUBLISHING PLANTS EVERYWHERE



FOR MORE THAN HALF A CENTURY, the Goss Printing Press Company has been closely identified with the progress of methods and machinery for finer printing, faster production, and greater economy in the publishing of newspapers and magazines.

The widespread confidence in the genius, foresight, and practical applications of Goss engineering has for many years been reflected in the recognition recorded by prominent publishers with repeated installations of Goss Equipment throughout the world.

Designed primarily for heavy duty work in modern newspaper plants, Goss Stereotype Equipment has signalized its success as companion products to the many Goss presses, creditably doing its part to conserve labor, save time, and reduce costs.

To keep before you, in handy reference form, the latest data on the advanced features of economy and operation in Goss Stereotype Equipment, this catalog has been compiled. It permits you to compare your methods and equipment with the most up-to-date developments herein described. It affords you an opportunity to scrutinize the tangible evidence of Goss' attention to detail in design and conscientious application of workmanship in manufacturing.

Every piece of Goss Stereotype Equipment has proven its mettle under the rigorous requirements of scheduled production, and each is a true example of the manufacturer's reliability and specialized experience. Consider too, that the roster of Goss users reads like the "blue book" of American journalism, which is, in itself, a positive recommendation of Goss superiority and value.

Irrespective of current conditions in your plant, it is good to bear in mind the fact that stereotyped equipment is constantly subject to change and that each improvement is a decisive factor in favor of the man who keeps well informed. In its present form, this catalog brings you up-to-the-minute information on the most new and improved stereotype equipment, enabling you to survey your needs and buy to the best advantage.

TO MEET EVERY NEED



WITH KEEN UNDERSTANDING and practical knowledge of production requirements, The Goss Printing Press Company has developed a full line of stereotype equipment that fulfills every demand of speed, easy operation, simplicity, durability, and economy.

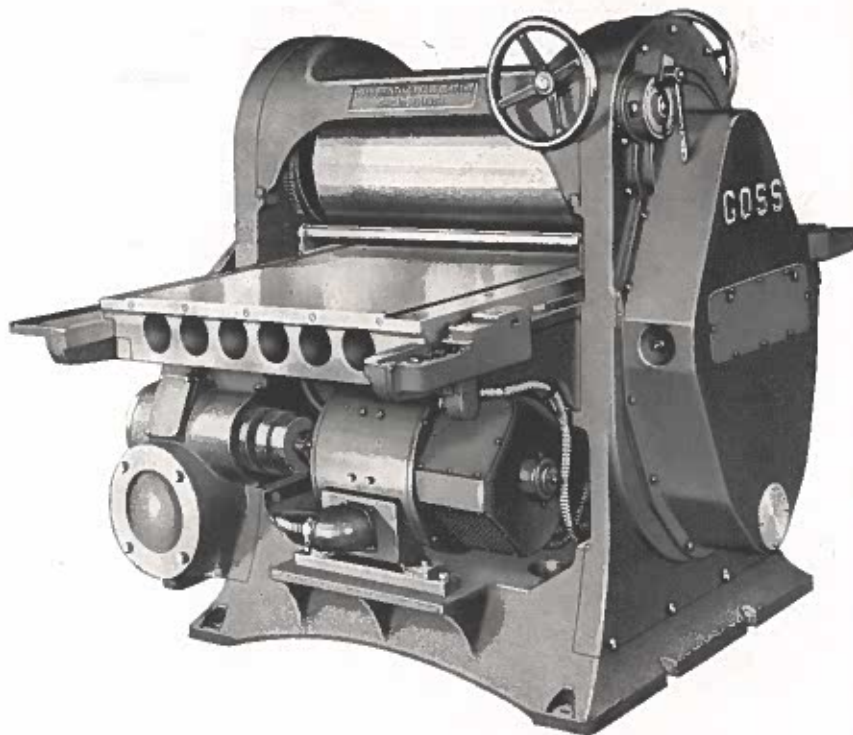
Conservation of effort and materials, combined with long life, have been the cardinal factors stressed by Goss engineers in designing these machines and tools. Waste motion and lost time have been virtually eliminated. Power costs, wear, friction, and upkeep have been minimized. Workers' safety and safeguards against costly errors have been amply provided. The danger of imminent obsolescence has been withdrawn. In fact, Goss Stereotype Equipment has achieved new and timely standards of perfection from every standpoint.

Goss Stereotype Equipment includes many exclusive features and practically covers every operation from lock-up to press. There are form tables, chases, and matrix shears — several styles and sizes of matrix rolling machines — casting boxes — stereotype metal furnaces — plate shavers — tail cutting machines — trimming blocks — jig saws and drills — routers — and trimmers, with other machines available for mat forming, scorching, etc.

The far-reaching facilities of the Goss Engineering Department make it a laboratory and proving ground for the origination and development of more efficient methods of producing and preparing stereotype plates with better results and less cost. The research division, with actual facts and figures and authentic technical data at its command, will be glad to co-operate with you in solving any stereotype problem.

Whether you contemplate the immediate or future purchase of new stereotype equipment, keep this catalog on file. It contains information that you may frequently need. For replies to specific questions about any piece of Goss equipment, prices, operating costs, parts, or for assistance on any problem, address the Stereotype Division, The Goss Printing Press Company, 1535 South Paulina Street, Chicago.

FOR CONTINUOUS ECONOMICAL OPERATION IN LARGE COMMERCIAL PLANTS

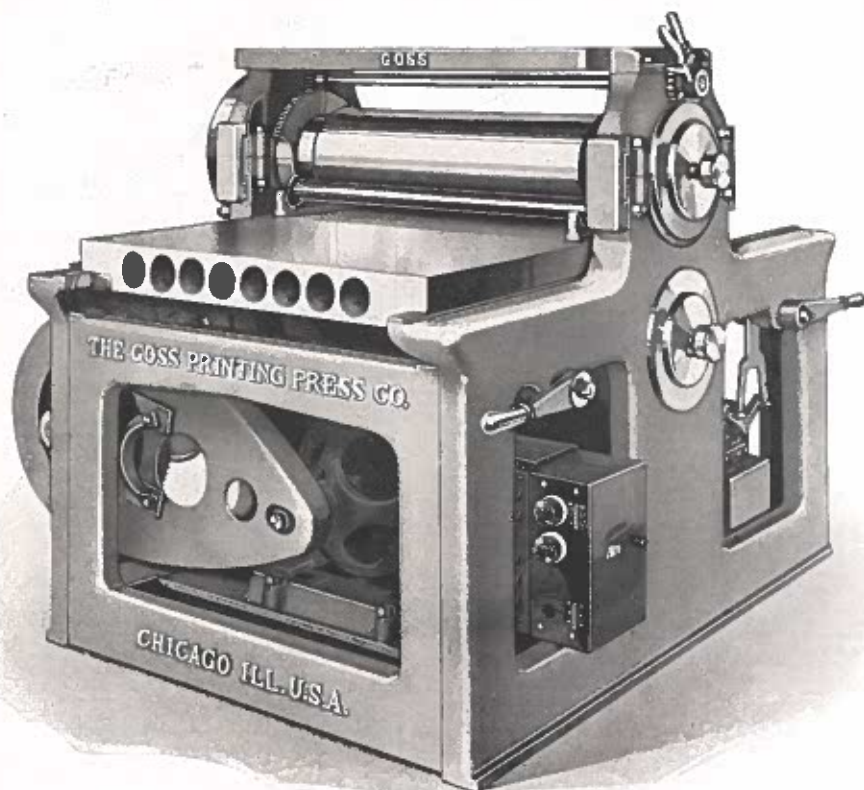


● The capacity of this machine for volume production of dry mats, smooth operation, and perfect results at low cost is truly amazing. Its extra heavy construction assures years of trouble-free service. The large 16-inch diameter cylinder gives the 45-U all the advantages of direct pressure machines, assures deep, clean mats with less pressure and no damage to type. Cylinders and respective journals are formed from one-piece solid steel forgings. The cylinder and drive are mounted on anti-friction bearings.

The extra heavy side frames are cast in one piece, assuring constant rigidity of the machine despite unevenness or settling of floors. End frames have been eliminated in the interest of close work and faster operation. The use of precision roller bearings, the flexible drive, and perfect alignment throughout, make the 45-U one of the fastest, smoothest, and most economical mat rollers. A special impression adjustment, conveniently located, permits the operator to vary the amount of pressure without changing his position. Electric push-button control simplifies operation and eliminates possibility of error. A direct-gearred two-speed motor drive, double worm reduction type, completely enclosed and running in oil assures consistently smooth action and minimum power costs.

• SPECIFICATIONS •

Width	Length	Height	Shipping Weight
69-inch	66½-inch	62-inch	13,500 pounds



IDEAL FOR MEDIUM-SIZED NEWSPAPERS

This ruggedly built Goss Matrix Roller is especially recommended for the medium-sized newspaper. It provides easier, quicker, moulding of dry mats with finer results, lower costs, and no damage to type.

The 10-inch diameter cylinder provides ample pressure for clean, sharp mats. Cylinders and their respective journals are formed from single solid steel forgings. Smooth operation of the cylinder and drive are assured through the use of anti-friction bearings.

The cylinder and the patented Goss Stretching Roller rolls dry mats, single or double page size, *absolutely flat*, without buckles or wrinkles. The extremely heavy, side frames of the Goss 45-R are cast in one piece. The lower journal housing for the upper cylinder is cast integral with the frame. All obstructions have been removed in the interest of faster operation. The rack drive is underneath the massive bed which can easily handle single or double page forms.

The use of precision roller bearings, Goss worm gear drive and perfect alignment

throughout, make the 45-R exceptionally fast, smooth, and economical of operation. A special control allows fast or slow operation of the bed in both directions; or the bed can be operated slow in one direction with fast return. The depth of the impression can be varied by means of rotating eccentric bushings. Numbered slots on the ratchet tell the operator the exact position of the roller at all times. Both ends of the cylinder can be set by one motion of the adjusting pinions.

• SPECIFICATIONS •

Width	Length	Height	Size of Motor	R. P. M.	Shipping Weight
65-in.	74-in.	55½-in.	3 H. P.	350-1700	7000 lbs.

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COMBINING THE ADVANTAGES OF THE MAT ROLLER WITH THAT OF DIRECT PRESSURE

The advantage of direct pressure lies in the application of impression in a direction vertical to the form surface. The Giant approaches this condition very closely because of its 20" diameter cylinder which results in a much flatter molding surface than provided with other rollers.

The advantage of the roller principle is constant parallelism between roller and bed as a result of having the extreme ends of the cylinder and bed supported by the side frames. Therefore, with a roller, half-tones receive greater molding pressure than type in the same form but each will receive uniform impression over its entire surface. In contrast to this the direct pressure machine applies molding pressure to the center of

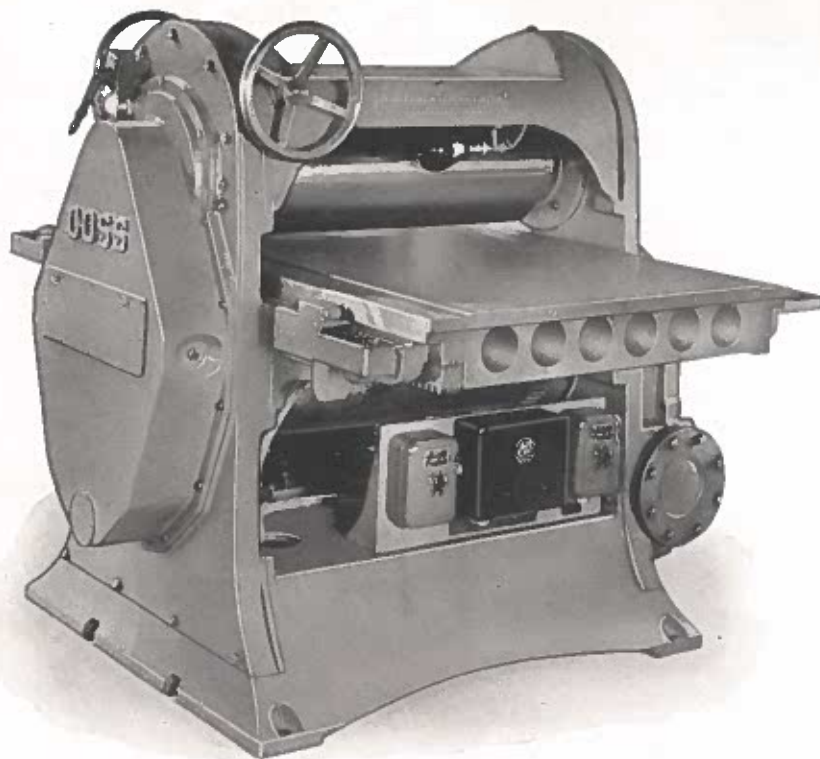
the platen which permits it to tilt when molding an unbalanced form of half-tone and type make-up.

The standard bed of the giant is sufficiently large to permit rolling forms two pages wide as well as the usual single page forms. Cylinders rotate in roller bearings. Impression adjustment incorporating a micrometer gauge permits obtaining any desired molding pressure. Electric push button control is regularly supplied.

The many users of the Goss Giant among the metropolitan group, numerous with two or more machines, is proof of the value of the features built into it.

• SPECIFICATIONS •

Width	Length	Height	R. P. M.	Shipping Weight
68-inch	65-inch	66-inch	900 / 1800	12,000 pounds



CHECK THESE IMPORTANT FEATURES

The type of mat roller construction represented by the 45-S was pioneered by The Goss Printing Press Company. The elimination of end frames in favor of a substantial base and cross brace results in a more accessible machine.

The patented flexible drive of the upper cylinder adjusts its speed to the combined characteristics of form, mat and molding blankets. The slightest demand of these variables for an alteration in cylinder speed is instantly and automatically made without the necessity of first overcoming a fixed resistance. As a result mat stretch is greatly reduced.

Smooth and quiet operation is assured by the mechanical excellence of the drive. This includes a motor directly coupled to the worm shaft, the use of a double reduction worm, placing the drive parts in an oil tight housing and the use of ball bearings throughout the drive. One-half of the drive housing is integral with the frame, thus assuring constant alignment of drive parts. Impression adjusting mechanism includes a large handwheel easily accessible from either end of the machine, a lock lever to prevent accidental changing of impression and a micrometer gauge. All this permits setting impression at any desired amount.

Substantial construction is found throughout as an examination of individual parts will disclose. The single piece base, generous cross brace, heavy side frames, solid forged steel cylinders running in double row rolling mill type roller bearings, sturdy bed and well secured joints comprise the most important items which, in combination with accurate machining and superior materials, contribute to unusually long machine life.

• SPECIFICATIONS •

Width	Length	Height	Size of Motor	R. P. M.	Shipping Weight
66-in.	83-in.	61-in.	5 H. P.	1800	
Regularly furnished with Single Page bed. Provision for Double Page Forms can be made to order.					

Shipping Weight Erected.....9710 lbs.

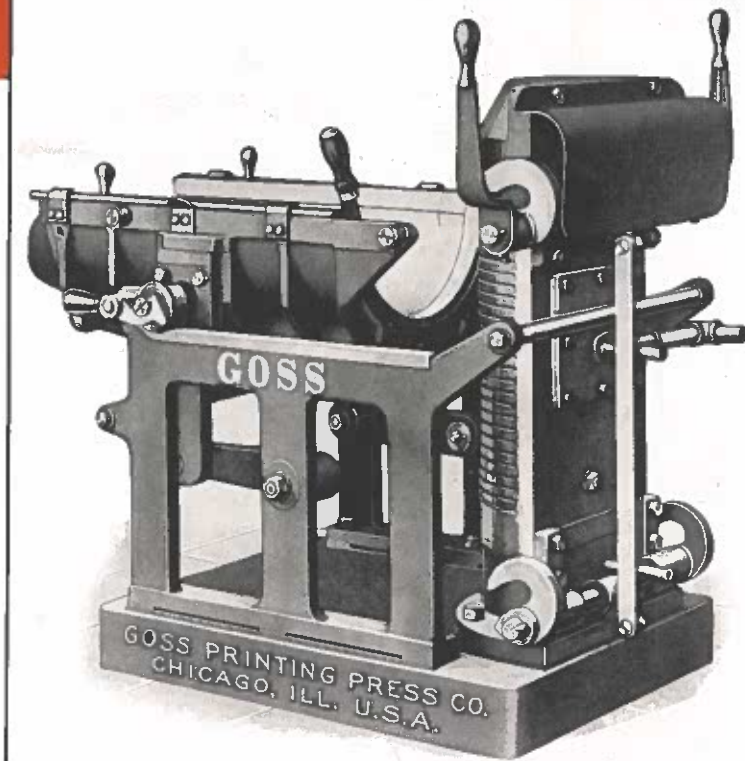
Shipping Weight Dismantled.....10620 lbs.

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RUGGED

EASY TO OPERATE—IMPROVED WATER-COOLING DEVICE



● Designed for use where the greater capacity of the 44F Double-Cooled Box is not required, this 44C Single-Cooled Casting Box will produce just as accurate and highly satisfactory plates. It gives a lifetime of low-cost, dependable performance, and its perfect balance provides for fast action and easy operation.

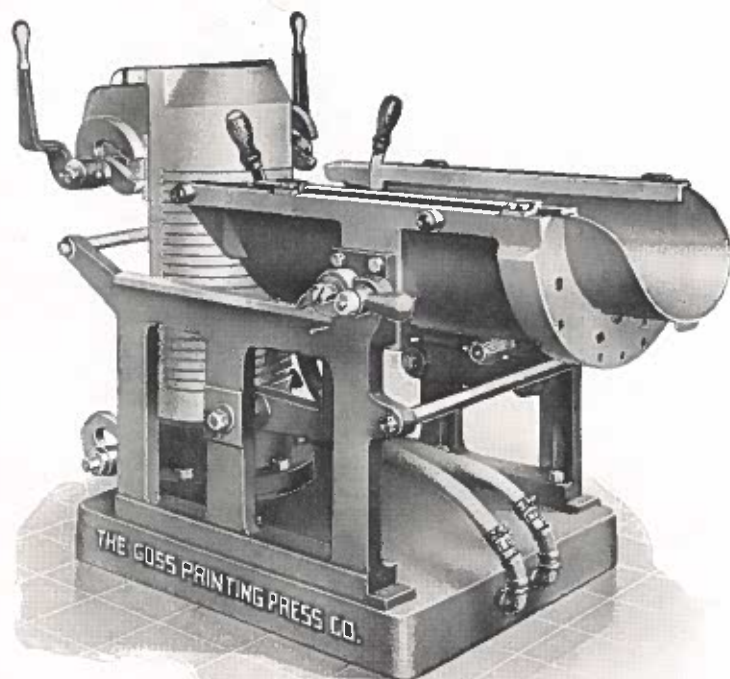
The plunger and the box are semi-steel castings of exceptionally close grain, which insures freedom from wear and permits easy opening of the box at all times. Roller bearing wheels add to the smooth operation by allowing the box to roll freely and easily on the side frames. Only a very slight pressure is required for moving the box in and out of vertical pouring position.

On the Goss Curved Plate Casting Box, every action and control device can be accomplished or handled with the least possible effort. The box is securely held to the plunger by four cams, two on each side. Either hand lever releases all four lockup cams at the same time. When the box rolls into vertical position, the cams are automatically turned into a locked position, thereby requiring only a small movement of the hand lever for locking up.

The body of the box and the ribs on the back of it are designed to give necessary strength against warping and freedom from shrinking. Heavy steel angle sticks are provided, and an improved water-cooling device is included in the unit.

• SPECIFICATIONS •

Width	Length	Height	Capacity	Shipping Weight
32-inch	54-inch	49-inch	Single Page	1680 pounds



QUICKER COOLING OF PLATES MINIMUM OF SHRINKING AND WARPING

In this Goss Casting Box, water is applied to the front of the box as well as the back. The plates are thus not only more rapidly cooled, but are more evenly cooled as well, reducing to a minimum, if not entirely eliminating, all shrinking and warping.

Extra heavy construction and perfect balance are outstanding features. The plunger and box are semi-steel castings of exceptionally close grain, which insures freedom from wear and permits easy opening of the box.

Roller bearing wheels facilitate the free and easy rolling movement of the box on the side frames. Very slight pressure is required for moving the box in and out of vertical pouring position.

The Goss Curved Casting Box No. 44F is securely held to the plunger by four cams — two on each side. Either hand lever releases all four lockup cams at the same time.

When this box rolls into vertical position, the cams are automatically turned into locked positions, thereby requiring only a small movement of the hand lever for locking up. Heavy steel angle side sticks are employed.

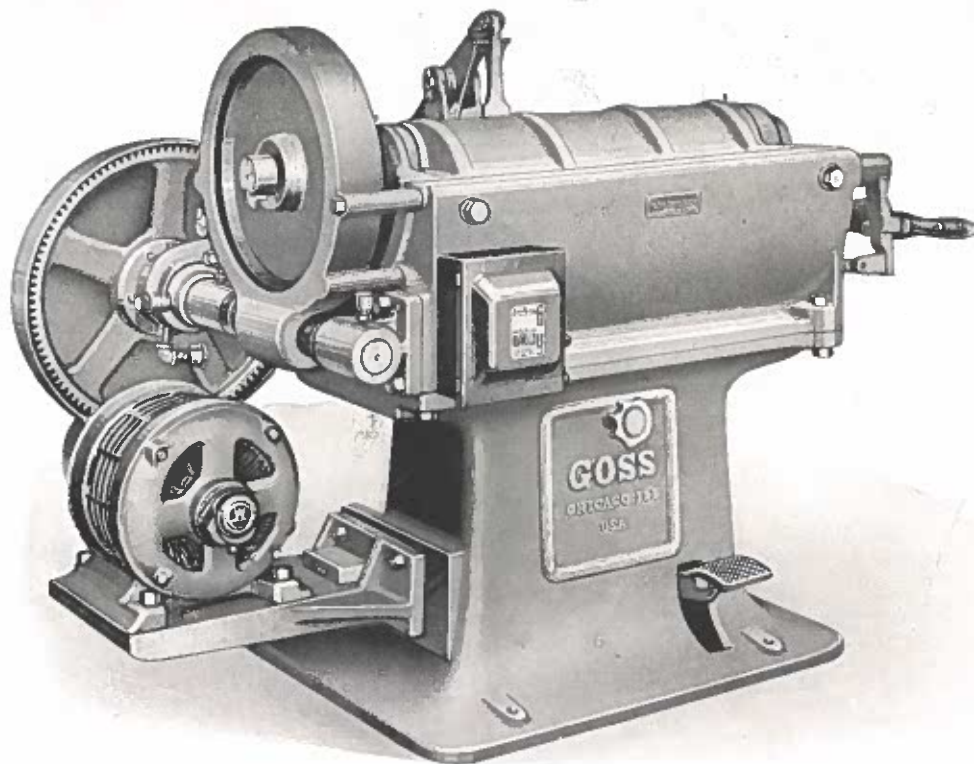
The Goss line also includes a Single Cooled Self-Balanced Curved Casting Box, No. 44C, in which only the convex member is water cooled.

• SPECIFICATIONS •

Width	Length	Height	Shipping Weight
36-inch	56-inch	49-inch	1950 lbs.

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PEDESTAL TYPE

● Accuracy, ease of operation, compactness, and durability are the outstanding features that recommend this machine to stereotype departments handling a quantity of curved plates.

The No. 41C Goss Curved Plate Shaving Machine is heavily constructed for heavy duty work, and is a proven product, in use today by scores of the nation's leading publishing plants.

This machine is automatically operated. The operator starts it by means of a handy lever; and when the plate is completely and accurately shaved, the machine automatically stops.

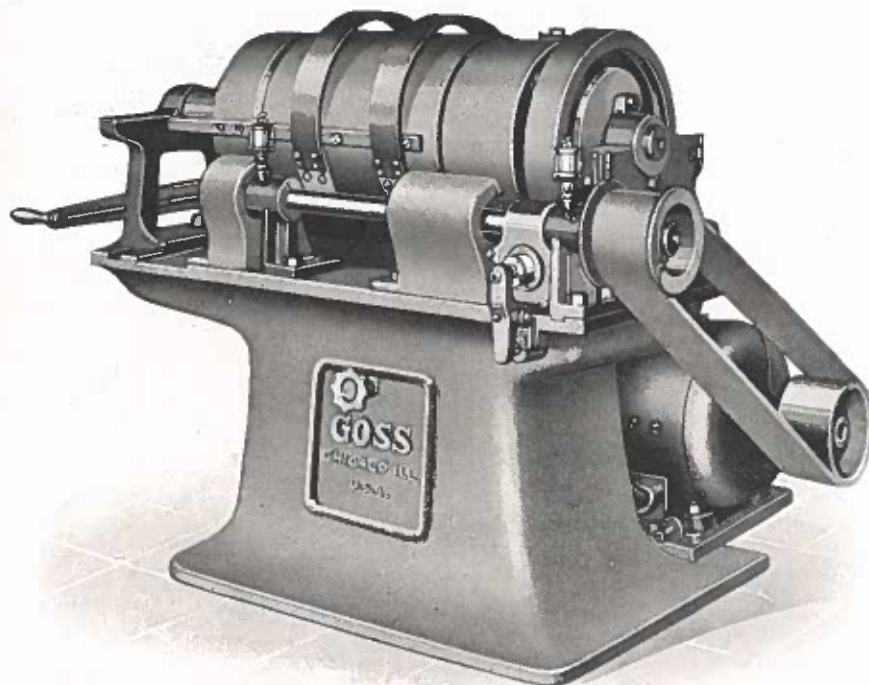
Perfect balancing of drive, motor, and one-piece base make for less vibration and greater efficiency. The result is lower power costs, less upkeep, and greater stamina. Years of trouble-free service are definitely assured.

The Goss Curved Plate Shaving Machine is equipped with a foot plate throw-out mechanism that speeds up production by sliding the plate into position for easy removal. Guards on moving parts provide for the operator's safety.

All shavings are deposited inside the pedestal base, from which they can be conveniently removed through a door at the front of the machine.

• SPECIFICATIONS •

Width	Length	Height	Size of Motor	R. P. M.	Shipping Weight
36-inch	54-inch	41-inch	3 H. P.	1160	1625 pounds



PEDESTAL TYPE

Operation of this Goss Tail Cutter is completely automatic. After the plate is placed in position on the cylinder, the operator needs only to move a lever, and the cylinder begins to rotate. The bands tighten, and both ends are trimmed simultaneously. The cylinder comes to rest again in the starting position with the bands loose, so that the finished plate can be withdrawn. If desired, the tail end can be trimmed and the plate then pushed against the stop and the other end trimmed at the second revolution of the cylinder.

The machine is provided with two cutters to trim both ends of the plate at the same time, and every operation is positive, precise, and safe. Stability of construction and efficiency of design contribute to the economical, lasting service of this Goss product.

The perfect rigidity of the pedestal base insures plates being smoothly and uniformly cut. All chips are deposited inside the

pedestal, from which they can be quickly removed through a door at the front.

Power is supplied by a belt drive from the self-contained motor. Operating costs, maintenance, and upkeep are reduced to a minimum.

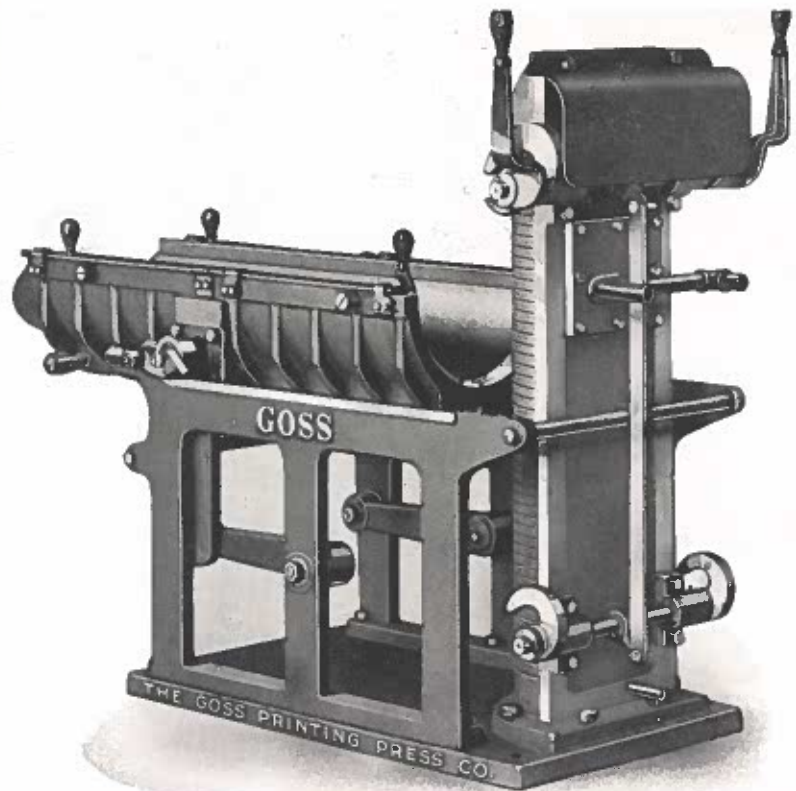
The Goss No. 43D Tail Cutter can be purchased with or without motor equipment. Two sets of knives are supplied as standard equipment with each machine.

• SPECIFICATIONS •

Width	Length	Height	Size of Motor	Speed of Cutter Shaft	Shipping Weight
34-in.	56-in.	41-in.	3 H. P. 1750 R.P.M.	2500 R.P.M.	1380 lbs.

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HEAVY DUTY— QUICK LOCKING—SMOOTH OPERATION

● This is the double-page Goss Curved Plate Casting Box, built to give dependable service and facilitate the handling of double-truck ads and feature announcements.

Extra heavy construction and perfect balance are features of the double-page casting box.

The plunger and box are semi-steel castings of extremely close grain to insure freedom from wear and to motivate easy opening of the box. Roller bearing wheels insure free and easy movement of the box on the side frames. Just a slight pressure will move the box into or out of its vertical pouring position.

Four cams — two on each side — hold the box securely to the plunger. Either hand lever releases all four lockup cams at the same time. When the box rolls into vertical position, the cams are automatically turned into a locked position, requiring only a small movement of the hand lever for locking up.

The body of the box on this unit and the ribs on the back are specially designed to give the necessary strength against springing or warping and to provide freedom from shrinks. This casting box has extra heavy steel angle side sticks and an improved water cooling device.

• SPECIFICATIONS •

Width	Length	Height	Capacity	Shipping Weight
34-inch	73-inch	58-inch	Two Pages	2380 pounds



FULLY AUTOMATIC-POSITIVE IN OPERATION

This Goss Tail Cutting Machine takes a double-page plate and fully justifies its purchase price in accurate, trouble-free service over a long period of years. It incorporates many outstanding features of design and easy adjustment that add to its cost-cutting advantages and proves the value of Goss engineering in lower power and upkeep requirements.

After the plates are placed on the cylinder of this machine and the starting mechanism engaged, every operation is entirely automatic, including the securing of the plate to cylinder, revolving of cylinder, and stopping of same when ends of plate are trimmed.

The Goss Double-Page Plate Tail Cutting Machine is provided with two cutters, so that both ends of the plate can be cut at the same time. Or the knives can be set so that the tail end of the plate can be cut, and then the plates can be pushed back against the stop, allowing the other end of the plate

to be trimmed at the second revolution of the cylinder.

If desired, single-page plates can readily be trimmed on this machine, it only being necessary to attach an extra cutter on the cutter knife shaft. The machine is driven by belt from a self-contained motor as shown above.

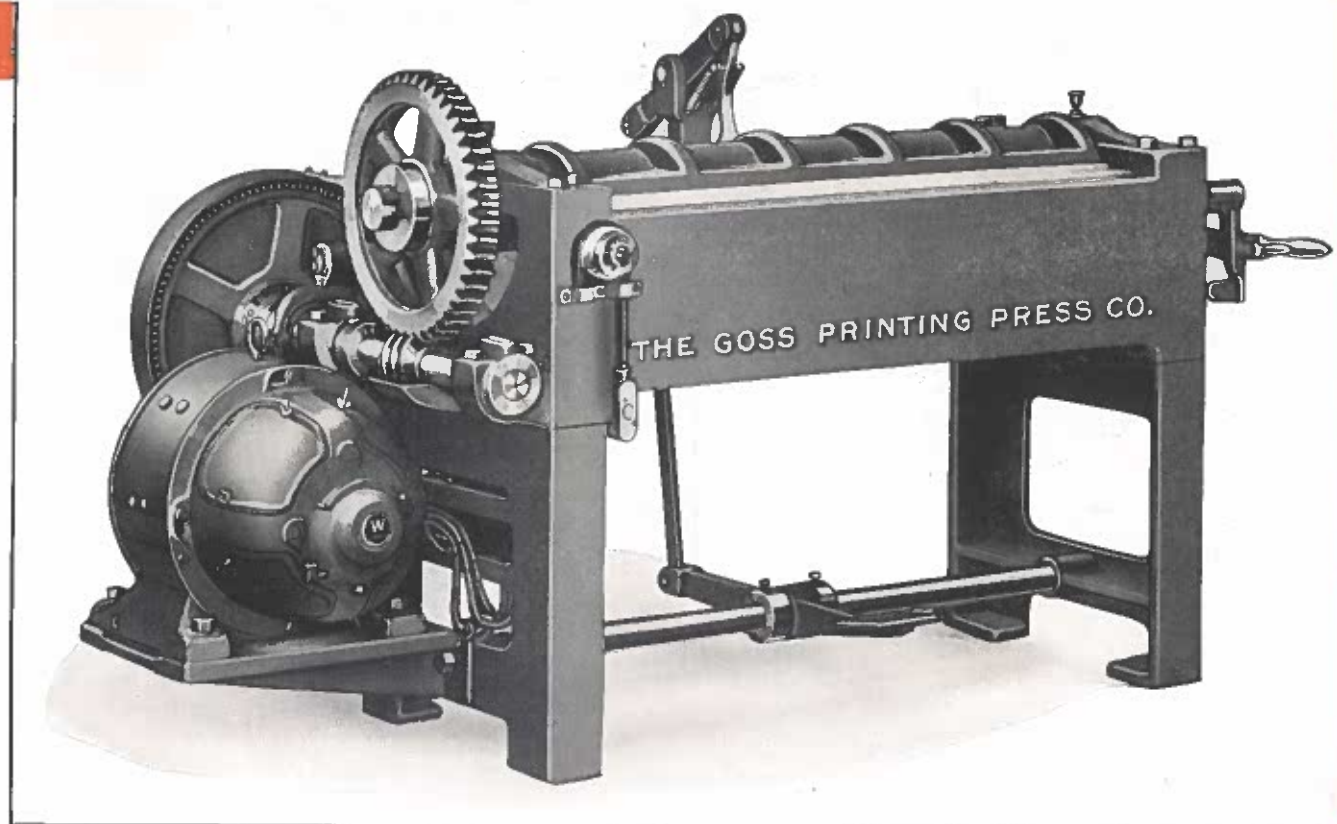
The speed of the knife shaft is 2,500 revolutions per minute, providing for fast, accurate work.

• SPECIFICATIONS •

Width	Length	Height	Size of Motor	R.P.M.	Shipping Weight
43-in.	70-in.	40-in.	3 H.P.	1750	1800 lbs.

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AUTOMATIC CONTROL FOR SHAVING KNIFE PROTECTS PLATES FROM COSTLY ERRORS

● Equipped with foot-power plate throw-out arrangement and automatic device for stopping shaving knife when it has made one complete revolution, this Goss Double-Page Plate Shaving Machine provides positive protection from inaccuracies and over-cutting.

The starting lever and foot pedal are within easy reach and the slightest pressure will operate either member positively and quickly.

Perfect balance and synchronism of motor, drive, and gears makes for longer life of moving parts and exceedingly low power costs.

Precision in manufacture and accuracy of results, plus pronounced savings of time, are distinctive Goss features that enhance the value of this machine where double-page plates are frequently handled.

If desired, single page plates can be quickly and economically shaved in this machine.

It is driven by direct-gearred and self-contained motor equipment.

• SPECIFICATIONS •

Width	Length	Height	Size of Motor	R. P. M.	Shipping Weight
34-inch	76-inch	41-inch	3 H. P.	1160	2440 pounds



SINGLE-PAGE PEDESTAL TYPE

No. 42 A



DOUBLE-PAGE TRIMMING BLOCK

No. 42 B

Sturdily constructed and accurately machined, the Goss Single Page Plate Trimming Block is an aid to precision hand work in the stereotype department.

Mounted on a strong, one-piece pedestal base, this trimming block will hold steady under every condition, providing a sound foundation for fast work.

The smooth cylinder makes a perfect base for plates and promotes accuracy in trimming.

The double-page Goss Trimming Block No. 42B incorporates the same features of design and construction and is built to facilitate the handling of double truck stereotypes.



• SPECIFICATIONS •

No. 42A

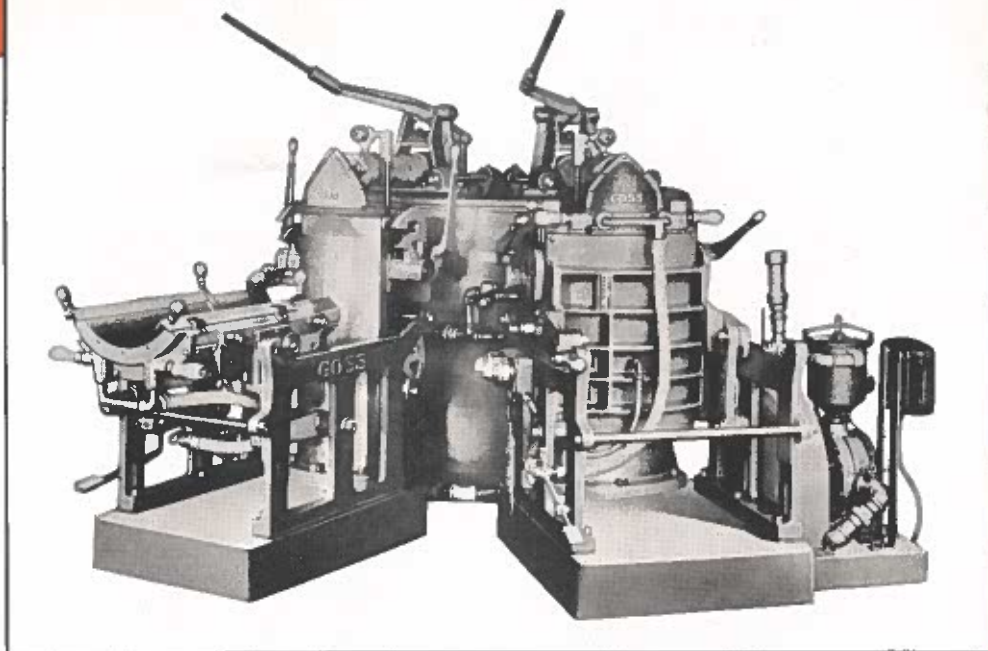
HEIGHT — 3 feet 4 inches
FLOOR SPACE — 1 ft. 11 in. by 1 ft. 9 in.
SHIPPING WEIGHT — 490 pounds

No. 42B

HEIGHT — 3 feet 4 inches
FLOOR SPACE — 4 feet 2 inches by 2 feet
SHIPPING WEIGHT — 725 pounds

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SHARPER DETAIL - MORE ACCURACY IN STEREOTYPE PLATES

● Designed to meet the demand for superior stereotype plates for color and black printing of both newspapers and magazines, the Goss Vacuum Electrically Heated Casting Box produces stereos that compare very favorably with electrotypes at less cost and no loss of time.

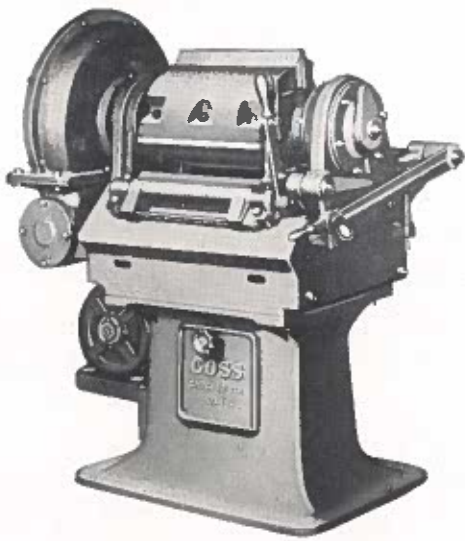
Stereotype plates made with the Goss Vacuum Electrically Heated Casting Box have an improved printing surface. Detail is sharper and more accurate. High and low spots are eliminated. The vacuum suction holds the mat in close contact with the accurately curved portion of the box while the plate is being cast. The vacuum action also penetrates the mat and acts upon the stereotype metal, pulling it into closer contact with the mat. It also tends to draw off trapped air or steam resulting from any moisture that may remain in the mat.

The Goss Vacuum Electrically Heated Casting Box also produces stereotype plates of more desirable texture and density. Defects arising from overly rapid cooling are eliminated.

Maximum efficiency, long life, easy operation, and minimum power costs are inherent Goss features of this new and improved vacuum electrically heated casting box. Its fine performance makes it a wise investment.

. SPECIFICATIONS .

Width	Length	Height	Size of Motor	Shipping Weight
50-inch	54-inch	49-inch	3 H. P.	2200 pounds



FASTER, MORE ACCURATE THAN A BORING MACHINE

The Goss Double Knife Curved Shaver, to be used in connection with the Goss Vacuum Electrically Heated Casting Box, is both faster and more accurate than a boring machine. It provides the finishing touches to the fine work of the casting box, producing better plates for both color and black printing in newspapers and magazines.

The Goss Vacuum Casting Box allows 18/1000 of an inch for shaving in this double knife shaver. The first knife takes a 12/1000 inch cut, and the second knife 6/1000 of an inch.

Tests of plates produced with these two pieces of Goss equipment show that the maximum variation in thickness throughout the plate is less than 1/1000 of an inch.

The precision and accuracy of the Goss Double Knife Curved Shaver make it indispensable to the operation of the Goss Vacuum Casting Box. These two machines form a combination that results in positive

improvement in plates and printing with a pronounced saving in costs.

Made of the finest materials and incorporating the traditional features of Goss design and workmanship, the Double Knife Curved Shaver is safe, rugged, and reliable.

All moving parts are fully enclosed, and every adjustment is within easy reach of the operator. The sharp cutting tool is practically indestructible and requires only occasional attention. The power load is low.

• SPECIFICATIONS •

For Segment Plates				
Width	Length	Height	Size of Motor	Shipping Weight
37-inch	55-inch	49-inch	3 H. P.	2800 pounds
For Semi-Cylindrical Plates				
37-inch	57-inch	52-inch	3 H. P.	5850 pounds

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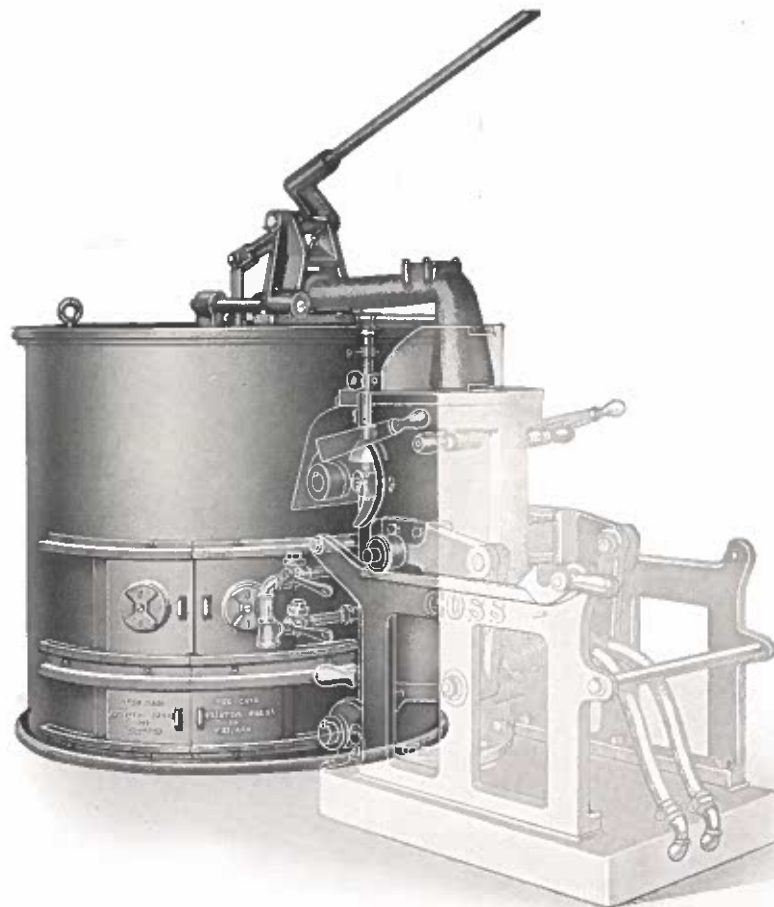
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This Goss 54D Patented One-Pump Stereotype Metal Furnace, with a capacity of 4500 lbs. of stereotype metal, is a rugged, well-built product that will establish itself as a permanent fixture in the equipment of any plant. It is made of the finest, heat-holding materials and is so constructed that fuel bills are held to the lowest possible minimum consistent with quick, efficient operation.

The floor space required is 4 ft. x 7½ ft. for the furnace and casting box, not including working space. Can be supplied for coal, gas, electric, or oil heat. A special pyrometer is also provided.

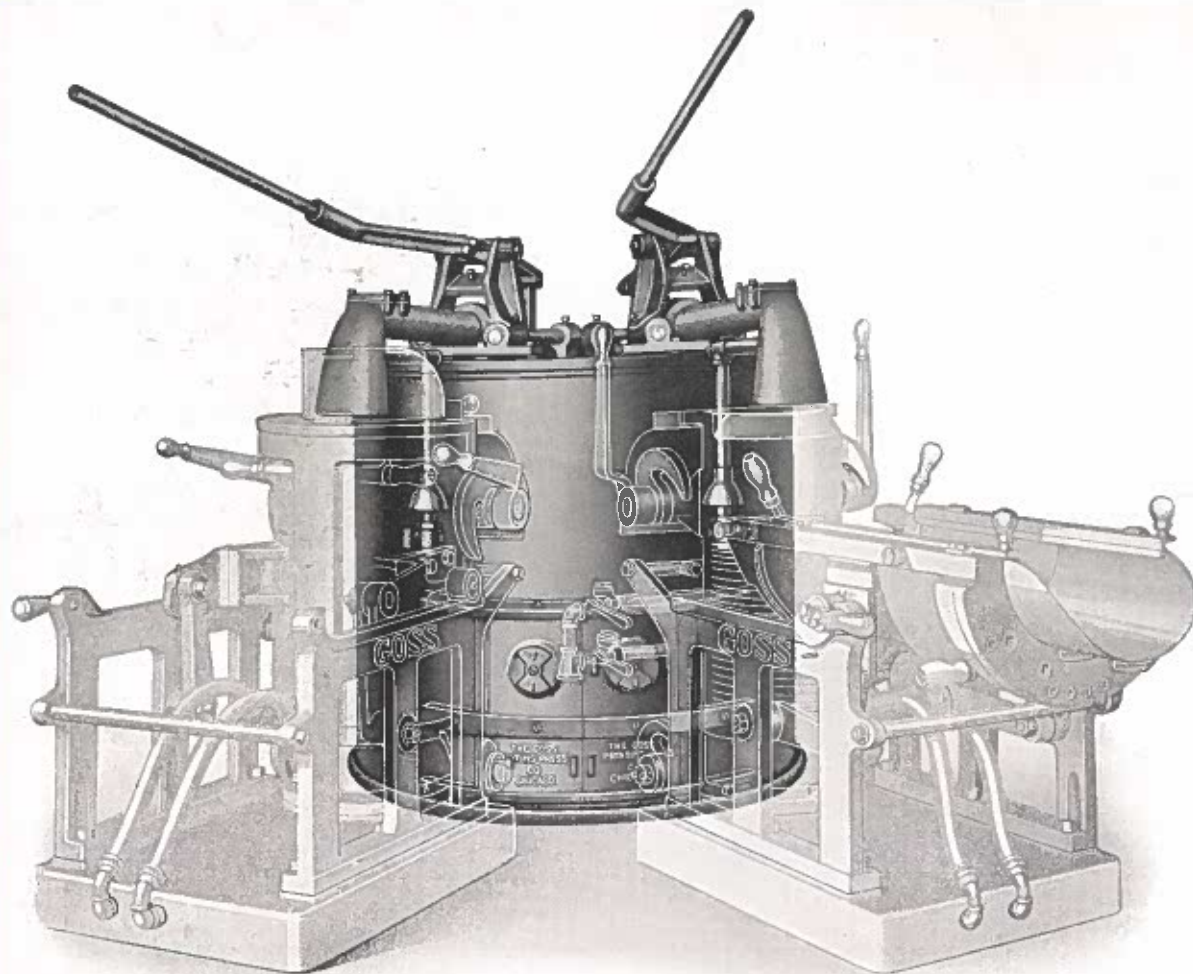
The Goss One-Pump Stereotype Metal Furnace No. 54G is similar to the 54D, except that it has a capacity of 3500 lbs. The No. 54H One-Pump Metal Furnace is for use with Double-Page Casting Box No. 44E.

Model No. 54, shown below, is a stereotype metal melting furnace without pump. It is sturdily constructed with a semi-spherical bowl. This furnace can be supplied for heating with gas, coal, oil, or electricity, and is available in four sizes: 1800 lbs., 3500 lbs., 4500 lbs., and 8700 lbs. capacity.



• SPECIFICATIONS •

Number	Capacity	Diameter	Height	Shipping Weight
54D	4500 lbs.	48 " top plate 56 " over flue	46⅞"	2870 lbs.
54G	3500 lbs.	43¾" top plate 50 " over flue	44½"	2780 lbs.
54H	4500 lbs.	48 " top plate 56 " over flue	51"	2950 lbs.
54 #1	1800 lbs.	37 " top plate 38 " over flue	34¾"	1190 lbs.
54 #2	3500 lbs.	43¾" top plate 50 " over flue	38⅞"	1970 lbs.
54 #3	4500 lbs.	48 " top plate 56 " over flue	46⅞"	2670 lbs.
54 #4	8700 lbs.	57 " top plate 65 " over flue	46¼"	3450 lbs.



The Goss Patented Two-Pump Stereotype Metal Furnace offers a greater capacity of 8700 lbs. stereo metal and extreme flexibility with an adjustable handle stop for casting any size page.

Built of high-grade materials and designed for low-cost operation, this furnace will creditably reflect its value in years of efficient, economical service.

Heat regulation is facilitated by a special pyrometer which accurately enables the operator to keep the temperature at a correct and uniform point throughout long periods of continuous operation.

The floor space required is 7½ ft. x 8 ft.

This Goss furnace can be supplied for heating with coal, gas, electricity or oil and will operate under extreme conditions with a moderately low fuel consumption.

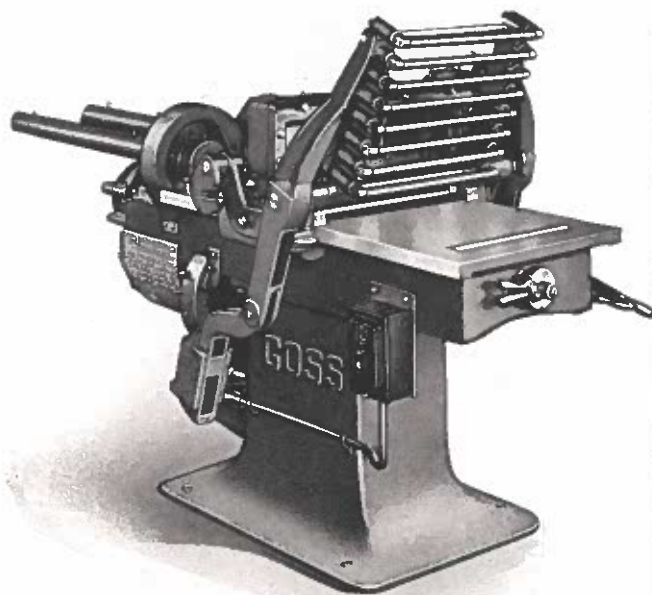
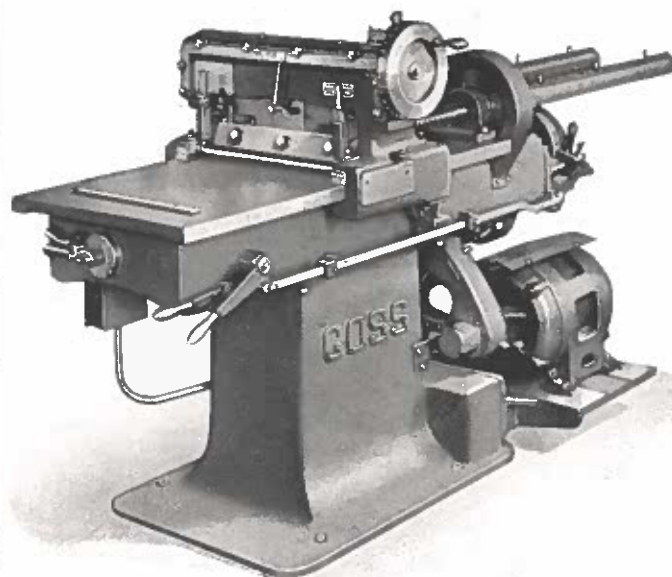
• SPECIFICATIONS •

Capacity	Diameter	Floor Space	Height	Shipping Weight
8700 lbs.	57" top plate 65" over flue	7½' x 8'	46½ inches	3850 lbs.

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**HANDLES A
WIDE RANGE
OF WORK . . .
. . . QUICKLY
EASILY
ACCURATELY**



With or Without Hold-Down Arrangement
This shaver may be had with or without the special hold-down arrangement, a device for shaving shells without danger of buckling. It is perfectly balanced and handles with a minimum of physical effort.

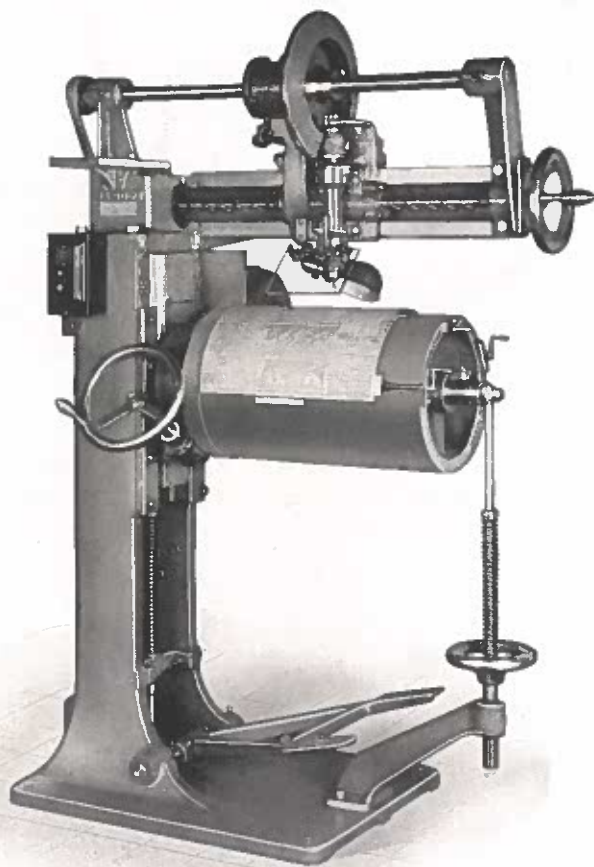
● This improved, adjustable head Goss Flat Shaver is constructed on the double screw drive principle with power applied directly behind the shaver knife. Undue strains are eliminated; long life and smooth operation are assured. Both sides as well as the front of the machine being free from projecting parts, maximum accessibility is permitted for handling of plates to and from the machine.

The shaver knife is adjustable and can be instantly set for type high, base high, or pica shell shaving. Handwheel for adjusting knife is accurately graduated to .001 inch, making minute shaving possible and promoting finer printing results. Spring rollers in front and back of knife insure utmost accuracy. Has quick adjustment plate stop for type high, base high, or shell shaving. Handles maximum size plates—19" x 26".

Lower power costs and smoother, quieter operation are assured through use of 5 H. P. self-contained motor, silent chain, and micarta gears. Drive screws operate in and out of grease-tight guards. This feature protects threads and provides constant lubrication. Grease fittings permit easy filling of guards.

• SPECIFICATIONS •

Width	Length (Over-All)	Height	Size of Motor	R. P. M.	Shipping Weight
32-inch	93-inch	49-inch	5 H. P.	1200	3150 pounds



IMPROVED DESIGN

FOR EASIER, FASTER OPERATION

With its many improvements and refinements in design, the Goss 55-B Curved Routing machine is now more efficient than ever.

Equipped with anti-friction bearings, this machine can handle tremendous volume in a given period of time. Its speed, accuracy and economy of operation have been increased: wear and vibration reduced to a minimum.

Slides in the pedestal are fully enclosed—no chance for chips to interfere with the raising or lowering of the cylinder—no danger of clogging or jamming.

The spindle is driven by an iron disc friction pulley on the main shaft and a small leather cone-shaped pulley on the end of the cutter spindle. Adjustment is provided to give the necessary pressure on the cone-shaped pulleys for driving the router tool without slipping or tightness. Power is transmitted to the main shaft by a new-type V-belt motor drive.

The mechanism for revolving the cylinder is very convenient and that for moving the router tool lengthwise of the cylinder is quick and positive. To adjust the depth of

the cut is a simple matter, requiring but a fraction of a second. An easily operated foot-lever moves the cylinder up to the cutter.

Adjustable, hooded work lamp provides correct illumination. Heavy shatter proof glass guard protects operators eyes and permits perfect visibility of the routing area.

The Goss is the only routing machine made without tapes or belts for driving the cutter spindle, an exclusive feature that adds to the safety and dependability of the machine.

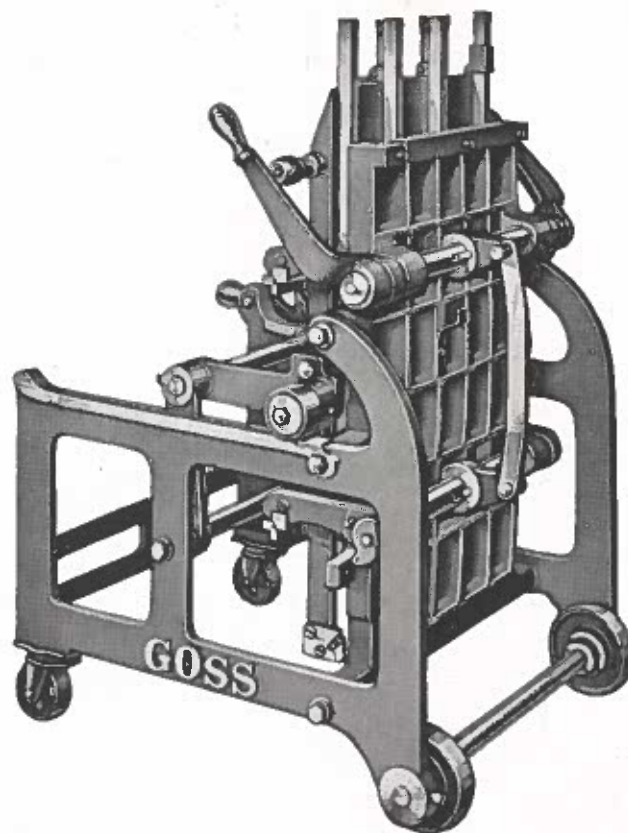
• SPECIFICATIONS •

Width	Length	Height	Size of Motor	R.P.M.	Shipping Weight
26-in.	62-in.	69-in.	1 H.P.	1750	1585 lbs.

GOSS

THE GOSS PRINTING PRESS COMPANY
CHICAGO, ILLINOIS

FASTEST MOST EASILY OPERATED OF ALL FLAT CASTING BOXES



● With its quick lock-up and features of fast operation, the Goss is the most efficient and durable flat casting box made.

It is perfectly balanced, one of the two casting members remaining in the vertical or pouring position while the other member, being correctly balanced, is moved upward to the pouring position with very little effort.

The box is equipped with a new design lock-up bar which allows for a quick change when regulating the thickness of casts. Positive lock-up is secured at four points on the box by a simple movement of one lever. The side gauges and foot stick are made of machine steel in one piece and hinged in the box. Two adjustable locked gauges are provided for making less than full width casts. Heavy construction prevents cracking or warping of casting members, and fine workmanship throughout guarantees accurate results. Backing paper can be rapidly secured to the stationary casting member by two easily manipulated pinned lugs and a bar.

69E is a Full Page Box. 69F takes a maximum size plate 5 col. wide by full page length. Features are alike in both. The only difference is in the widths.

• SPECIFICATIONS •

Number	Width	Length	Height	Capacity	Shipping Weight
69E *	35-in.	52-in.	49-in.	8 col.	1240 lbs.
69F *	27-in.	52-in.	48-in.	5 col.	980 lbs.

* Equipped with roller bearing casters. Boxes can also be supplied with water cooling attachment in the back



5-COLUMN-SELF-BALANCED- QUICK LOCKUP

Here's a Goss Flat Casting Box that is capable of casting any number of columns up to and including five columns in width by a maximum length of sixteen inches.

Exclusive Goss features are incorporated in this smaller unit — perfect balancing... new design lockup bar, allowing for quick change when regulating thickness of casts... one-piece gauges with adjustable locked center gauge for making less than full width casts, and roller bearing castors... advanced improvements that save time, prevent delay, and add to general efficiency in the stereo-type room.

The rugged construction and free, easy movement of all working parts make this casting box a permanent addition to the equipment of any shop that requires its services. High-grade materials, superiority

of Goss design, and finest workmanship are all combined to make this Goss Casting Box a desirable investment.

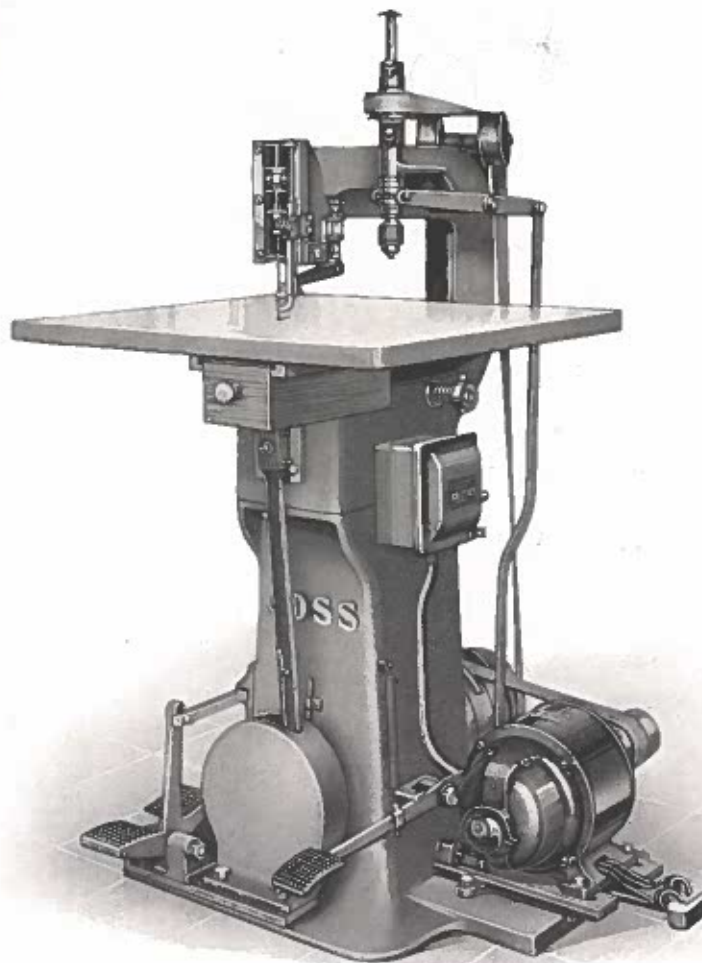
It can be furnished with a water cooled back, if desired.

• SPECIFICATIONS •

Width	Length	Height	Capacity	Shipping Weight
27-inch	37-inch	49-inch	5-col. width 16-in. depth	750 pounds

GOSS

THE GOSS PRINTING PRESS COMPANY
CHICAGO, ILLINOIS



THE MOST RIGID, SMOOTHEST RUNNING, HIGH-SPEED MACHINE OF ITS KIND

Here's a combination jig saw and drill that answers the call for speed, precision, and economy with a smooth, deft performance that whittles down minutes and cuts corners on costs.

The base of this Goss machine is a substantial, solid pedestal with both jig saw and drill arms cast in one piece. Vibration is entirely eliminated by the perfectly balanced transmission of motion from the crank-shaft to the saw.

The drill is as fast as the fastest operator can run it, and its operation is simple and positive. The drill spindle is of tool steel and runs in bronze bearings. It is further provided with ball thrust bearings.

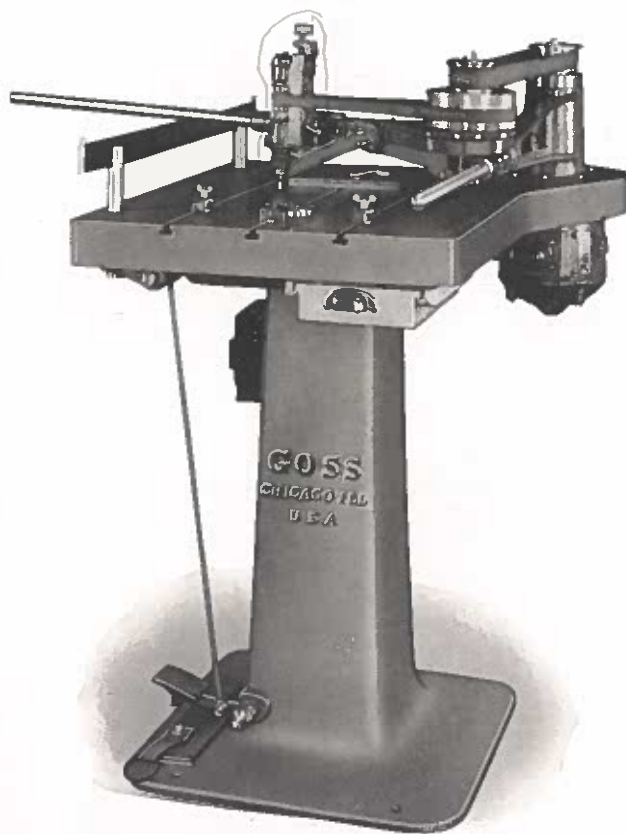
This Goss machine offers extreme utility, longer life, and safer volume production. It permits important savings of time and labor and becomes at once a worthwhile investment in any plant. Its easy action and firm stability merit careful consideration and comparison in selecting a unit of this type.

This Goss Combination Jig Saw and Drill has independent foot treadles for operating either the saw or the drill, and both are positive and sensitive to the touch of the toe.

The machine will never clog or choke. The blower prevents accumulation of dust or chips around the saw blade, so that the work is always visible.

. SPECIFICATIONS .

Width	Length	Height	Size of Motor	R. P. M.	Shipping Weight
40-inch	38-inch	63-inch	1 H. P.	1160	1180 pounds



THE NEW FLAT ROUTER

The smooth operation of this Goss Flat Router is due to the combination of ball bearings and balancing. All rapidly moving parts including the spindle, intermediate pulley and motor are accurately balanced and run in anti-friction ball bearings. Vibration is further reduced by suspending the motor from beneath the bed.

The work being routed is always visible to the operator. A self-contained blower of high capacity blows any accumulation of chips away from the vicinity of the bit and a lamp, which is also carried on the tool arm, provides an abundance of illumination.

The work is held solidly by easily operated plate clamps. Type high as well as shell casts are provided for. Three grooves in the bed permit routing plates of all sizes to full

page and have a wide choice of positions to the operator for small casts.

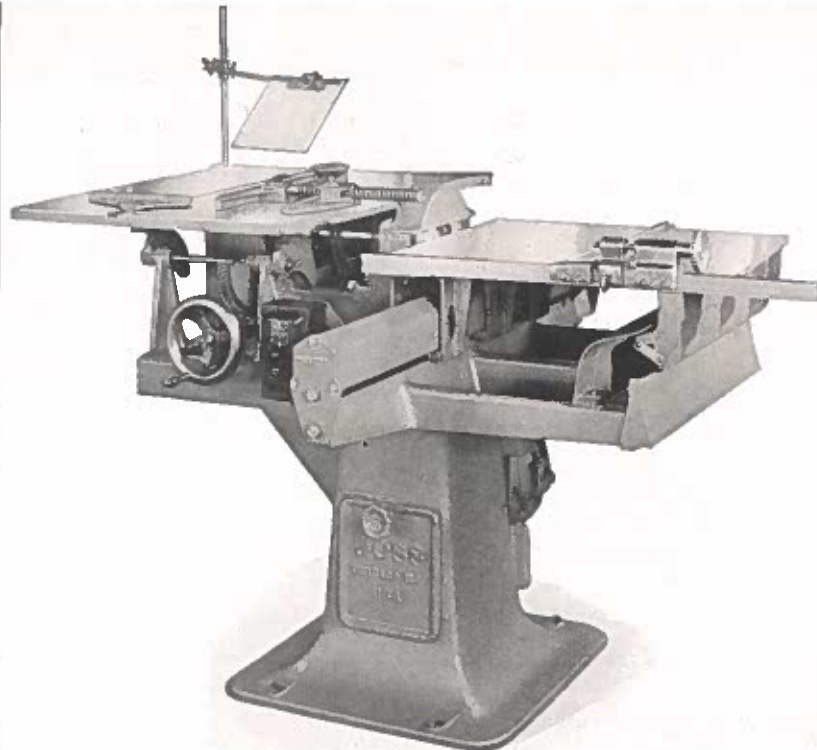
The sturdy construction, fine workmanship and design of this 68-F Flat Router will fill your need of such machine for many years.

• SPECIFICATIONS •

Width	Length	Height	Size of Motor	R. P. M.	Shipping Weight
33-in.	41-in.	55-in.	1 H. P.	1750	1000 lbs.

GOSS

THE GOSS PRINTING PRESS COMPANY
CHICAGO, ILLINOIS



TAKES FULL NEWSPAPER SIZE PLATE

● For the shop that places a premium on time, the Goss Flat Stereotype Combination Saw and Trimmer is a lasting, economical investment. Its accurate, easy operation has set a new standard of efficiency.

The trimmer table operates on rollers that are ball bearing mounted, with both rollers and tracks completely protected against chips interfering with the smooth and easy operation of the table. All chips from the saw and trimmer are deposited inside the pedestal, from which they can be conveniently removed through a door in front. The trimmer table is equipped with a screw adjusted gauge which can be quickly set at any distance from the cutters.

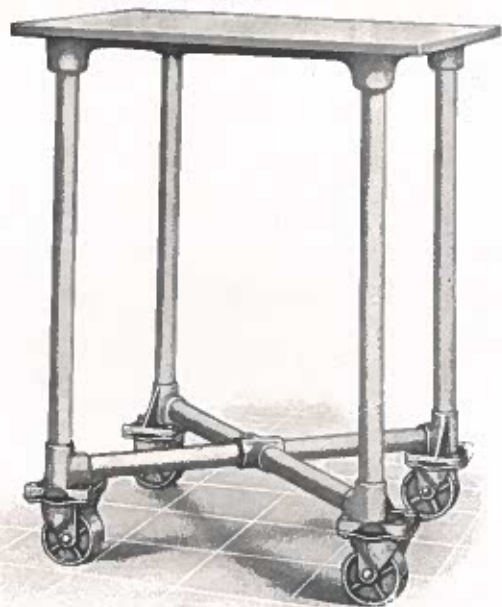
The saw table is quickly adjustable as to height with relation to the saw by means of a handy hand wheel located in front of the machine. It operates in a vertical plane through worm gear and segment, moving two cams which in turn bear against rollers placed on the under side of the table. The result is extreme ease in raising and lowering the table. Convenient straight edges are provided for both rip and cross cut sawing.

Both saw and trimmer tables are large enough to take a full newspaper size plate and provide every accommodation for fast handling and precision work.

The saw and trimmer spindle runs in ball bearings, and the shaft is driven by means of V belts. Power costs and wear are reduced to a minimum. Two saws, two sets of trimmer tools, and a line holder are furnished with each machine.

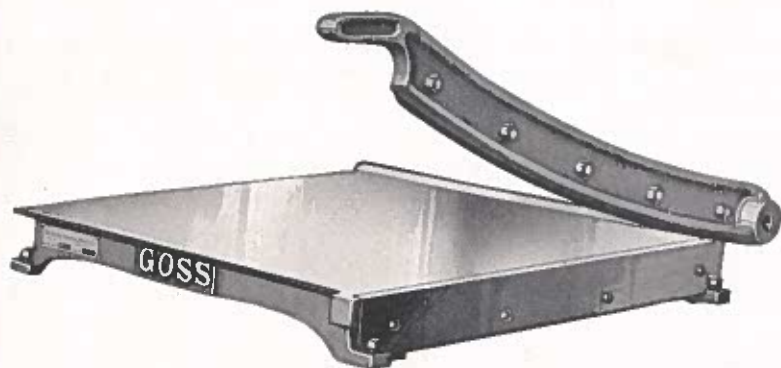
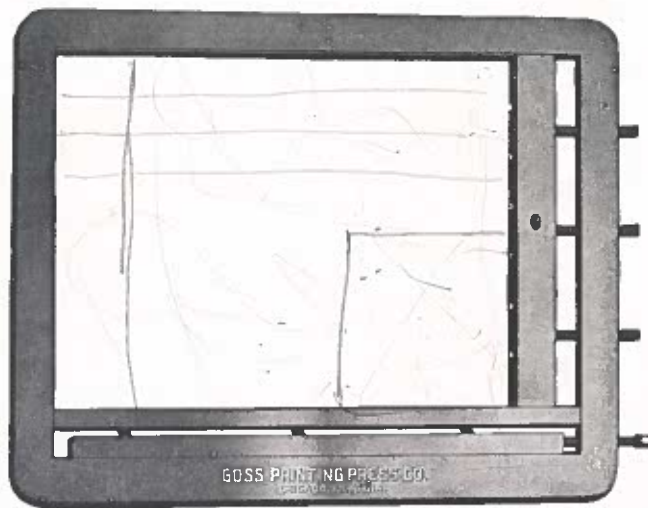
• SPECIFICATIONS •

Width	Length	Height	Size of Motor	R. P. M.	Shipping Weight
53-inch	70-inch	52-inch	1 H. P.	1750	1780 pounds



BALL BEARING FORM TABLE
No. 40 — STURDY — EASY TO
MOVE IN ANY DIRECTION

**PATENTED QUICK
LOCKUP STEEL CHASE**
No. 40B
FAST — RUGGED — LASTING



MATRIX SHEARS
No. 80
ACCURATE — EASY
ACTION — DURABLE

● *No. 40 Form Table*—Frame is made of steel pipe, and fittings are malleable castings. Top is cast iron, planed to a perfectly level surface. Joints are all screwed tightly and cannot work loose. Casters have one wheel of large diameter and wide face. Swivel joints between casters and feet of casters are ball bearing, which allows casters to swivel freely. Goss Form Tables can be supplied in various heights to suit the height of mat roller beds or composing stones. Width, 24"; Length, 30½"; Height, 37½"; Shipping Weight, 290 lbs.

● *No. 40B Chase* — These Goss Chases will not break under any condition, no matter how great the strain put upon them. The locking bars embody a Goss patented toggle joint, both bars being kept together and operating easier. The frame is steel with electrically welded corners. Width, 24"; Length, 28¾"; Shipping Weight, 60 lbs.

● *No. 80 Matrix Shears* — The bed of these Goss adjustable shears is made of fine cast iron, perfectly flat and true. Both knives of fine cutting steel are readily removed from the bed and cutting bar for sharpening. The lower knife is adjustable to take up all wear. Has a buffer spring arrangement and makes a 25-inch cut. Length, 26½"; Width, 23½"; Height, 3"; Weight, 195 lbs.

GOSS

THE GOSS PRINTING PRESS COMPANY
CHICAGO, ILLINOIS

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