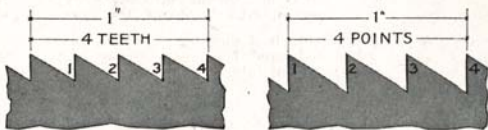


CRESCENT BAND-SAW BLADES

IN the manufacture of Crescent Band-Saw Blades the best grade of steel is used that can be purchased. The work is done by skilled mechanics, producing saws as nearly perfect as possible. With fair usage, they are guaranteed to give satisfactory service.

Note difference between TEETH to 1 inch and POINTS to 1 inch
Four TEETH per inch is finer-tooth than four POINTS per inch



Saw blades can be sent economically by mail on small orders. The cost of postage usually equals about 10 per cent of the list price of the blade. Saws by mail are at purchaser's risk, but our method of packing them is almost sure to get them through in good order. The following saws are regularly carried in stock, and will be sold in any length customer may wish to purchase—either in the coil or cut to short lengths, or brazed endless to fit any machine. They will either be filed and set, or without filing and setting, as customer may order.

Width.....	1/8	3/16	1/4	3/8	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2
Points in 1 inch.....	7	7	6	5 1/2	4 1/2	4	4	3 1/2	3 1/2	3	3
Teeth per inch.....	6	6	5	4 1/2	3 1/2	3	3	2 1/2	2 1/2	2	2
Gauge.....	21	21	21	21	21	21	21	21	21	21	21

Saws of above teeth and gauge are carried in stock regular, for immediate shipment. When saws are ordered with finer or coarser teeth, or of one gauge thicker or thinner stock, they will have to be made up after order is received. This will be done without additional charge, but will delay an order from ten days to two weeks. When special saws are ordered, asking immediate shipment, we will substitute regular saws and follow the hurry instructions, rather than delay the shipment. No saw-steel carried in stock thinner than 22 gauge, nor thicker than 20 gauge.

CIRCULAR SAWS

For the convenience of customers purchasing machines, we carry on hand the following sizes of circular, rip and cut-off saws:

Diameter.....	10	12	14	16	18	20	22	24
Gauge.....	16	15	14	14	13	13	12	11

These saws are made by a reputable manufacturer and are of the very best quality. They come filed and set. When ordered with a machine, they will be sent with hole to fit the machine. When ordered separately, mention size of hole wanted.

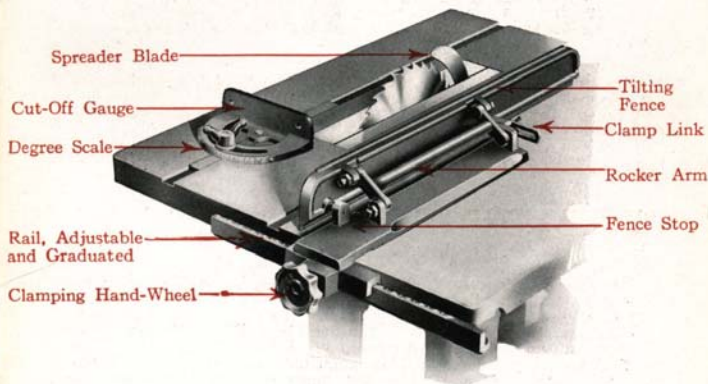
THE CRESCENT SAW-TABLES

GENERAL DESCRIPTION

THE following general features are embodied in common on the various saw tables, Nos. 1, 2, 3, 4 and 5.

The Ripping Fence or gauge will tilt for angles to 45 degrees. It can quickly be brought back to square again, an accurate stop being provided for that purpose. It can be used on right or left side of the saw on the No. 2, 3 and 4 saw tables; on the right side only on the No. 1 and 5 saw tables. When used on left side of saw, the fence will not tilt.

The slide, or rail, onto which it clamps is graduated to show the width to be ripped. When desired, the fence can be quickly removed from the machine, leaving top of table clear for special work.



The Cut-Off Gauge is adjustable for angles to 45 degrees, right or left mitre. A graduated scale shows the degrees of angle.

The Spreader, or splitter, is a very effective safeguard against accident. It is placed close to the back edge of the saw, giving protection at the most dangerous point. Accidents are usually caused by pieces catching on the rear of the saw, after they have passed through the cut and are about to be brought back again. When the saw catches the piece, the operator's hand is usually caught at the same time. The use of the spreader will greatly reduce this danger. The blade of the spreader is fastened to the machine under the table so as to keep its proper relative position with the saw at all times, whether table is level or tilted. It is readily adjusted for various sizes of saws.

SAW-TABLES—General Description

Continued

The Countershaft is mounted on the rear of the machine, making it self-contained and ready for operation wherever set. It is provided with tight and loose pulleys, suited to belt direct to line-shaft in any direction. The loose pulley is self-oiling.

An Endless Belt to drive the mandrel is furnished with each machine. On the No. 1, 2 and 4 saw tables the countershaft is adjustable to take up the stretch in the belt; on the No. 3 and 5, a tightener pulley is provided for the same purpose. The endless belt makes the machine run extremely quiet and smooth, and avoids the annoyance common to laced belts.

The Belt Shifter lever is at the front of the machine near the floor, where it can be operated with the hand or foot. It locks automatically in whatever position placed, so the belt can not creep from one pulley to the other.

The Mandrel is made of steel with collar and pulley shrunk on. It will take a groover head 2 inches thick between tight collar and nut.



CRESCENT SAW-GUARD

(Patented)

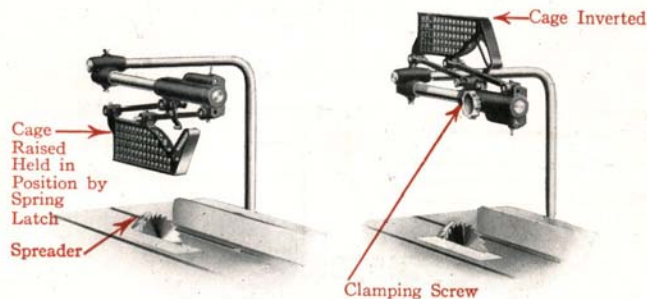
This new saw-guard is readily attached to any of the Crescent saw-tables, and will not interfere with the operating of the tilting tables. When in position it will completely cover the saw, guarding against danger of getting the hands into the saw, or of strips of wood being thrown by getting on top of the saw. The heavy steel arm that overhangs the table is fastened to the rear part of the machine, where it does not interfere with the work in cutting off long pieces.

CRESCENT SAW-GUARD

Continued

The Guard, or cage is made of aluminum and is hung on two parallel arms, counterbalanced by a spring in such a manner that the guard yields easily allowing the lumber to pass under it through the saw in a normal manner. When the lumber has passed through, the guard will return to the table of its own weight and completely cover the saw.

In special work it is often desirable to remove the guard so as to clear the saw. For ordinary clearance the guard is simply pushed up against the supporting bracket, when a spring latch will snap in and hold it in that position. Another touch on the latch is all that is needed to bring the guard down over the saw again.



When more clearance is needed, the guard may be swung into an inverted position and is again held in place by another spring latch at the front end of the supporting arm. To make either of these adjustments will require but a few seconds of time.

When it is desired to have all the space above the table cleared, this may easily be done by loosening two cap-screws, when the entire arm may be swung clear of the space above the table.

It is adapted to use on the various Crescent saw-tables, also for the saw-tables of the Crescent Wood-workers. When made to fit machines of other make, a measurement blank for giving the necessary dimensions will be furnished on request.

	Weight	Code Word
Guard for No. 1 Saw-Table	125 pounds	Amgro
Guard for No. 2 Saw-Table	125 pounds	Amgat
Guard for No. 3 Saw-Table	175 pounds	Amhed
Guard for No. 4 Saw-Table	175 pounds	Amine
Guard for No. 5 Saw-Table	175 pounds	Amkat

The Guard will be furnished with machines, only when specially so ordered, and will be charged for extra.

NO. 1 CRESCENT SAW-TABLE

A COMPACT machine that is well suited for general shop and factory use; also for use in packing-room of mercantile establishments, for sawing box and crate material. The price is so low that no mechanic can afford to construct a home-made saw-table.

The **Frame** is cast in one piece, very rigid and free from vibration.

The **Table** is 30 x 38 inches, made of cast iron planed off true. It is hinged at the back, and has a wooden throat piece to suit for use of groover head. The front end of table raises and lowers by a hand wheel and screw, provided with a lock-nut to hold it securely where wanted.

The **Fence** is used on the right-hand side of the saw only, and will open to gauge any width up to 19 inches.

Saws up to 14 inches in diameter may be used, but not larger. A 12-inch saw will cut through a piece 3 inches thick. A groover head 8 inches in diameter will cut grooves to 1 inch deep.

Driving Capacity: The belt from the countershaft to the mandrel is 4 inches wide, made endless, which gives sufficient drive for all ordinary work.

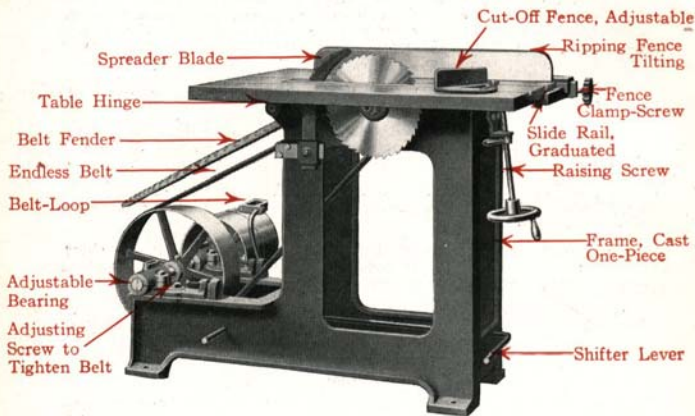
The **Spreader** is fastened direct to the frame of the machine, so it always keeps its proper position relative to the saw. It works equally well whether table is level or hinged.

References: General description, page 29. Saw Guards, page 30. Motor-driven machine, page 131.

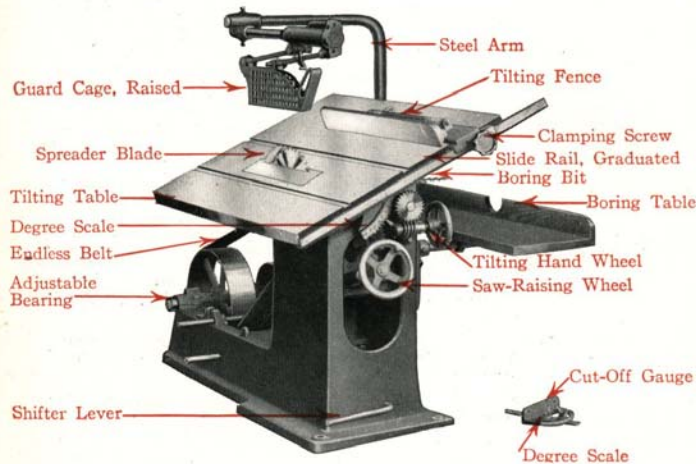
Dimensions

Size of table	30 x 38 inches
Width fence opens from saw	19 inches
Size of mandrel-hole in saw	1 inch
Size of mandrel bearings	1 1/4 x 4 inches
Size of tight and loose pulleys	10 x 5 inches
Speed of countershaft per minute	650 revolutions
Giving saw a speed per minute of	3,000 revolutions
Size of pulley on saw mandrel, diam. and face	3 1/2 x 4 1/4 inches
Floor space, over all	38 x 58 inches
Power required, see page 139	3 to 4 h. p.
Cubic measure, boxed for export	26 feet
Gross weight, boxed for export	875 pounds
Domestic shipping weight	750 pounds
Telegraphic code word, regular machine	Betan
Code word, machine with guard extra	Bacab

Regular Equipment: Each machine is furnished with one 12-inch rip saw, one ripping fence, one cut-off gauge, one spreader, one mandrel wrench, and one 4-inch leather belt from countershaft to mandrel.



No. 1 Crescent Saw-Table
(Saw and Belt are included with this machine)



NO. 2 CRESCENT COMBINATION SAW-TABLE

THIS machine is an excellent rip saw table; it is equally handy for grooving, rabbeting, beveling, cutting-off, etc. It is well adapted for carpenter shop, pattern shop and general factory use.

The Frame: The base, and pedestal are designed for strength and rigidity; cored out box type, insuring a steady-running, accurate machine.

The Table is 32 x 44 inches, made of cast iron planed off true. It tilts to 45 degrees by means of handwheel and worm-gear; a scale and pointer indicates the degrees of angle. A wooden throat-piece is provided to adapt the machine for using groover heads.

The Ripping Fence can be used on either side of the saw. When placed on right-hand side of saw it will gauge any width up to 20 inches.

For Grooving: The mandrel is raised and lowered by use of a handwheel under the table. It will stop at any point without fastening, but can be clamped fast with the hand screw, for cutting to accurate depth.

Driving Capacity: The belt from the countershaft to the mandrel is 4 inches wide, made endless. The countershaft is adjustable to take up the stretch of the belt. The machine has sufficient drive for all ordinary work.

Saws up to 14 inches in diameter may be used, but not larger. A 12-inch saw will cut through a piece 3 inches thick. A groover head 8 inches in diameter will cut grooves to 1 inch deep.

The Spreader is fastened to the slide upon which the mandrel is mounted, it therefore raises and lowers with the saw, keeping its proper relative position with the saw. It is adjustable, to suit for saws of different diameters.

Boring Attachment with wood table and self-centering chuck can be furnished with this machine at an additional price, but will not be included unless mentioned in the order. It may be ordered any time after machine is purchased, as the column of each saw-table is machined off for this purpose and mandrel suitably prepared. No bits furnished.

The boring table is 12 inches wide, 44 inches long, and has a horizontal travel of 12 inches.

References: General Description, page 29. Saw Guards, page 30. Motor-driven machine, page 131.

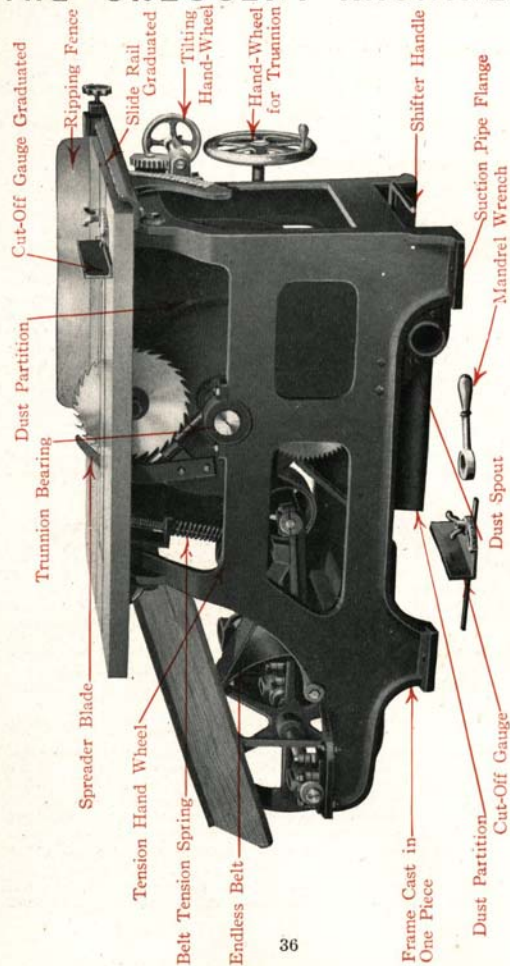
Dimensions

Size of table	32 x 44 inches
Width fence opens from saw	20 inches
Size of mandrel hole in saw	1 inch
Size of mandrel bearings	1 1/4 x 4 inches
Height of table from floor	35 inches
Size of tight and loose pulleys	10 x 5 inches
Speed of countershaft per minute	650 revolutions
Giving saw a speed per minute of	3,000 revolutions
Size of pulley on saw mandrel, diam. and face	3 1/2 x 4 1/4 inches
Power required, see page 139	3 to 4 h. p.
Vertical adjustment of saw-mandrel	5 inches

Without Boring Att. With Boring Att.

Floor space required over all	39 x 72 inches	47 x 72 inches
Cubic measure, boxed for export	33 feet	40 feet
Gross weight, boxed for export	1,175 pounds	1,250 pounds
Domestic shipping weight	975 pounds	1,075 pounds
Code word, regular machine	Bolan	Borea
Code word, with guards extra	Badem	Byert

Regular Equipment: Each machine is furnished with one 12-inch rip saw, one ripping fence, one cut-off gauge, one spreader, one mandrel wrench, and one 4-inch leather belt from countershaft to mandrel. The Guard, and the Boring Attachment, will not be included unless so mentioned in the order.



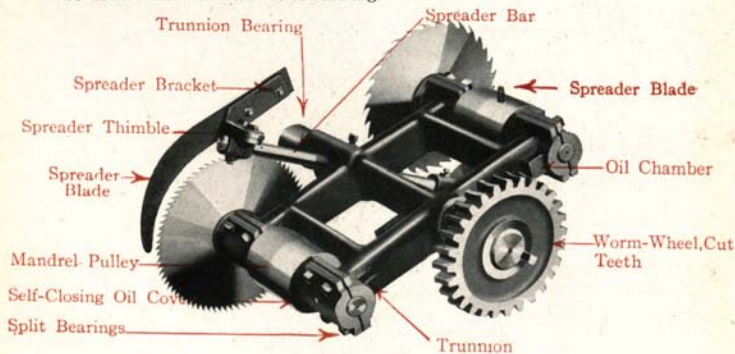
No. 3 Crescent Universal Saw-Table—Side View
(Two Saws and Belt are included with this machine)

NO. 3 CRESCENT UNIVERSAL SAW-TABLE

THIS is a very serviceable and handy machine for use in pattern shops or other general use. It has two mandrels, so arranged that either one of them can be swung into action, in a moment's time, by simply turning a hand wheel.

The Frame is cast in one piece, very rigid and free from vibration. It is sufficiently heavy to make it a durable smooth-running machine.

The Two-Mandrel Arrangement: The two mandrels are mounted on a heavy cast trunnion, and a saw may be placed on each of the two mandrels (preferably a rip-saw on the one and a cut-off on the other), and either saw can be brought up into working position by simply turning the handwheel at front of machine. The mandrels are so belted that only the upper saw is in motion when in use, the lower mandrel not being in contact with the belt at all. No changing of belt is required to change saws; simply turn the handwheel and the trunnion carrying both mandrels will revolve, bringing the desired saw up through the table ready for operation; and this may readily be done while the machine is running.



One of the mandrels has the projecting end, or stub, made long enough to admit a groover head 2 inches wide to be placed between the tight collar and nut. The other mandrel is made with a short stub, admitting only a saw, made in this manner, so that this mandrel may be raised to its maximum height when table is tilted to a full angle of 45 degrees, without having end of mandrel to strike against the under side of table. Both mandrels will swing clear of the table when table is level, or when but slightly inclined.

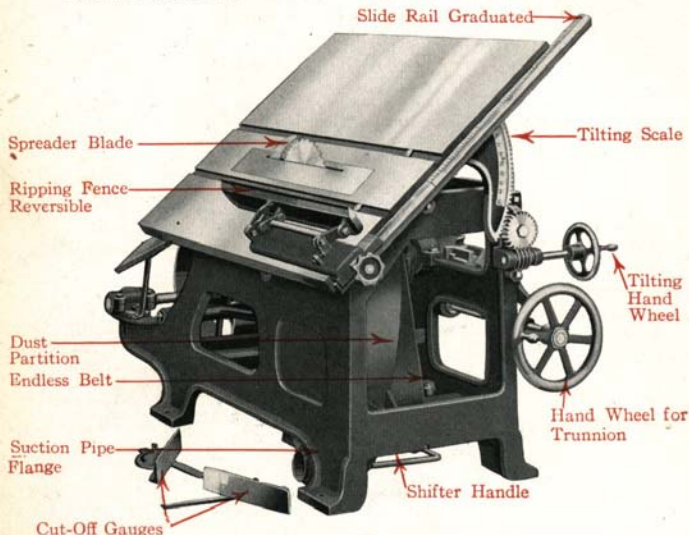
The trunnion is cast in one piece, strong and rigid. The mandrel boxes are made with an oil-chamber and capillary felt for continuous lubrication.

NO. 3 SAW-TABLE

Continued

For Grooving or Slotting: By means of the handwheel the trunnion is turned to bring the saw up through the table to the proper height. A quick-acting eccentric clamp is provided for holding it rigidly in the proper position.

The Spreader is furnished to give proper protection to both saws, to prevent accident. It is fastened to the trunnion, and always keeps its proper position relative to the saw, and works equally well whether table is tilted or level.



Size of Saws: Both saws may be 16 inches in diameter or smaller. Larger saws cannot be used. With mandrel at maximum height a 12-inch saw will cut through stock $2\frac{3}{4}$ inches thick, or an $8\frac{1}{2}$ -inch groover-head will cut a groove 1 inch deep. Grooves of less depth may be cut by turning the handwheel to lower the mandrel to required point. Size of mandrel-hole required, $1\frac{1}{8}$ inches.

The Table is made of cast iron, planed off true. It tilts to 45 degrees by means of a handwheel and worm-gear; a scale and pointer indicate the degree of angle. A wooden throat piece is provided to

NO. 3 SAW-TABLE

Continued

adapt the machine for using groover heads. The table is of generous dimensions, having 22 inches to right side of saw, and 14 inches to the left side, or total size of 36 inches wide by 48 inches long.

The Dust Partition: A recent improvement in this machine is a dust partition bolted to the inside of frame, to keep the saw-dust from scattering over the floor. It delivers the dust directly under the saw where it can be easily removed at side of machine. A separate dust-spout is also furnished, with hole and flange ready for attaching suction pipe from dust-collector. This dust-spout is fastened to side of frame with two bolts, and in connection with the dust partition, forms a complete hopper ready for attaching dust-pipe from either front or rear side of machine. The small dust-spout is not to be used when dust-collecting system is not installed; but the dust partition is valuable in either case.

The Ripping Fence, when placed on right side of saw will gauge any width to 22 inches; and when placed on the left side of saw will gauge to 9 inches wide.

Two Cut-Off Gauges are furnished, one right-hand and one left-hand. These are adjustable for square or angular work, a graduation being provided to show the degrees of angle. They slide in grooves planed into the table for that purpose.

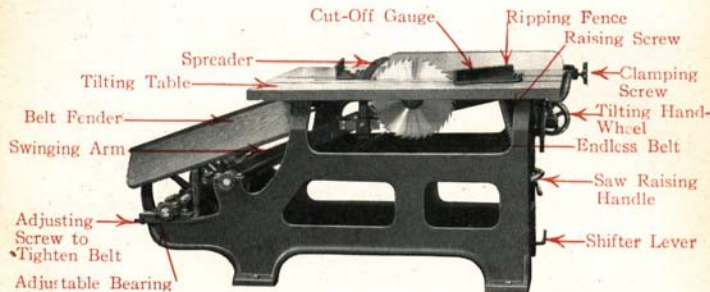
Driving Capacity: The belt from the countershaft on the machine to the mandrels is 5 inches wide, made endless. A tightener pulley hung with a spring keeps a uniform tension on the belt; but this tension may be regulated at will, by a handwheel and screw, according to the work being done.

References: General description, page 29. Saw guard, page 30. Motor-driven machine, page 132.

Dimensions

Size of table	36 x 48 inches
Width fence opens from saw	22 inches
Size of mandrel hole in saw	$1\frac{1}{8}$ inches
Height of table from floor	34 inches
Size of mandrel bearings	$1\frac{1}{2}$ x 4 inches
Size of tight and loose pulleys	10 x 5 inches
Speed of countershaft, per minute	640 revolutions
Giving saw a speed per minute of	3,000 revolutions
Size of pulley on saw mandrel, diam. and face	$4\frac{1}{2}$ x $5\frac{1}{2}$ inches
Floor space required, over all	45 x 78 inches
Power required, see page 139	4 to 5 h. p.
Cubic measure, boxed for export	58 feet
Gross weight, boxed for export	1,750 pounds
Domestic shipping weight	1,575 pounds
Telegraphic code word, regular machine	Cadmo
Code word, machine with guard extra	Cabes

Regular Equipment: Each machine is furnished with one 12-inch rip saw, one 12-inch cut-off saw, one ripping fence, two cut-off gauges, dust partition and dust-spout, two spreaders, one mandrel wrench, and one 5-inch endless leather belt from countershaft to mandrels.



NO. 4 CRESCENT VARIETY SAW-TABLE

(Saw and Belt are included with this machine)

THIS machine is, in many respects, similar to No. 3 Universal Saw-Table, the main point of difference being that but one mandrel is used on this machine. The frame, countershaft, belt-shifter, tilting table, ripping fence and cut-off gauges are practically the same. The method of mounting the mandrel and spreader is different.

For Grooving or slotting. The mandrel is mounted on a swinging arm that raises and lowers by means of a handwheel and screw, to bring the saw the required height through the table. The swinging arm is cast hollow (same style as a band-saw frame) giving extreme rigidity to the mandrel.

Driving Capacity: The belt from the countershaft to the mandrel is 5 inches wide, made endless. The countershaft is adjustable to take up the stretch of the belt. The tension on the belt does not change materially when saw is raised or lowered. It will be seen that the machine has plenty of drive for heavy work.

Size of Saws: The machine takes saws up to 18 inches in diameter. A 12-inch saw will cut through a piece $2\frac{1}{2}$ inches thick. A groover head 9 inches in diameter will cut grooves to 1 inch deep.

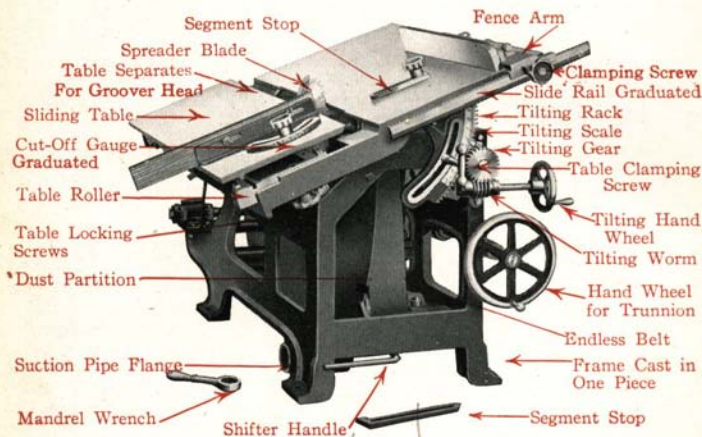
The Spreader is fastened to the swinging arm that carries the mandrel. It is therefore always in its proper relative position to the saw, and works equally as well whether table is level or tilted.

References: General description, page 29. Saw-guard, page 30. Motor-driven saw tables, page 132.

Dimensions

Size of table.....	36 x 48 inches
Width fence opens from saw.....	.22 inches
Size of mandrel hole in saw.....	1½ inches
Size of mandrel bearings.....	1½ x 4 inches
Height of table from floor.....	.34 inches
Size of tight and loose pulleys.....	10 x 5 inches
Speed of countershaft per minute.....	.700 revolutions
Giving saw a speed per minute of.....	3,000 revolutions
Size of pulley on saw mandrel, diam. and face.....	4¼ x 5¼ inches
Floor space required, over all.....	.45 x 78 inches
Power required, see page 139.....	.4 to 5 h. p.
Cubic measure, boxed for export.....	.58 feet
Gross weight, boxed for export.....	1,650 pounds
Domestic shipping weight.....	1,375 pounds
Telegraphic code word, regular machine.....	Cruno
Code word, with guard extra.....	Cafor

Regular Equipment: Each machine is furnished with one 12-inch rip saw, ripping fence, two cut-off gauges, one spreader, one mandrel wrench and one leather belt from countershaft to mandrel.



NO. 5 CRESCENT SLIDING TOP SAW-TABLE

(Two Saws and Belt are included with this machine)

AN excellent machine for pattern shop use, having every desirable feature and convenience. It is equally efficient for other uses, where a variety of work is to be done. The machine differs from the No. 3 Crescent Saw-Table in that the table is somewhat larger, and is made in two sections; the left-hand section sliding on rollers, making the machine better adapted for cut-off and dado purposes. The usual wooden throat-block being dispensed with gives a smooth contact of the work to the table, and a minimum amount of throat. There are no grooves cut in top of table, as this construction makes them unnecessary. The ripping-fence is used on main table only.

The Sliding Table runs on seven rollers that are adjustable to keep the sliding table on an exact level with rigid table. It has an endwise travel of 34 inches, and a sidewise adjustment of 4 inches from main table, to give any desired opening for using dado head. The sidewise adjustment is quickly made, by loosening a hand screw at each end of table, and sliding the table over. The sliding table travels endwise over its full travel whether table is level or tilted; also when adjusted sidewise any distance from main table, and this, with one saw at its highest position up through table. The sliding table can be locked in a rigid position, for plain ripping.

The Cut-Off Gauge is adjustable to any angle from 45 degrees right-hand to left-hand miter, having an accurately graduated quadrant to show the angle. The cut-off gauge is 16 inches long, and can be used with or without the wooden piece fastened to its face. The wooden face is convenient for cutting extremely short pieces on miter, as it can be quickly adjusted in slotted holes, so that the end of same will come up close to the saw line.

Two Segment Stops are provided, which may be fastened to the top of the table for holding segments to cut them off accurately at the ends. They are handy, too, for stops for other irregular work.

In All Other Respects the description as given for the No. 3 Universal Saw Table will apply also for this No. 5 machine.

References: General Description, page 29. Saw-Guard, page 30. Motor-driven machine, page 132.

Dimensions

Size of main table	22 x 52 inches
Size of sliding table	16 x 52 inches
Size of entire table	38 x 52 inches
Width fence opens from saw	22 inches
Height of table from floor	34 inches
Size of mandrel bearings	1 1/2 x 4 inches
Size of tight and loose pulleys	10 x 5 inches
Speed of countershaft per minute	640 revolutions
Giving saw a speed per minute of	3,000 revolutions
Size of pulley on mandrel, diam. and face	4 1/4 x 5 1/4 inches
Floor space, over all	49 x 80 inches
Power required, see page 139	4 to 5 h. p.
Cubic measure, boxed for export62 feet
Gross weight, boxed for export	1,850 pounds
Domestic shipping weight	1,675 pounds
Telegraphic code word, regular machine	Dicos
Code word, machine with guards extra	Daben

Regular Equipment: Each machine is furnished with one 12-inch rip-saw, one 12-inch cut-off saw, one ripping fence, one cut-off gauge, two spreaders, two segment stops, one mandrel wrench, dust partition and dust-spout, and one 5-inch leather belt from countershaft to mandrels.