FOOT AND POWER SCREW CUTTING ENGINE

LATHES

CATALOG No. 41

SOLE MANUFACTURERS

SOUTH BEND MACHINE TOOL CO.

SOUTH BEND, INDIANA, U. S. A.

Telegraph Codes Used—Lieber's and Western Union
Cable Address—O'Brien Bros., South Bend
Catalog No. 41. April 1st, 1911
Destroy Previous Issues

O'BRIEN BROS.
M. W. O'Brien
J. J. O'Brien

ALL South Bend Lathes may be operated by foot power or countershaft. In ordering please specify which is wanted.

We manufacture the largest and most complete line of small Screw Cutting Engine Lathes in the world

NOTE—All Cylindrical parts on our Lathes are ground and flat surfaces are hand scraped

Screw Cutting Engine Lathe No. 26

10 inch Swing

The weight and dimensions of our 10" Lathe have made it a very popular tool for the small job shop, experimental room, etc. It is a strong and accurate tool, at the same time being very reasonable in price.

No. 26 Lathe swings 10¼" over the bed, 7" over the carriage, has a 13/32" hole in spindle, Morse taper No. 1, tool post takes $\frac{5}{16}$ x ⅝" tool. Lathe can reduce a piece of 1" round machine steel to ¾" in diameter in one chip.

The bed is strong and rigid. (See illustration page 15). It has three V's for aligning head stock, tail stock and carriage. Head Stock has forged steel spindle, running in phosphor bronze boxes, arranged for wear. Spindle Cone has three steps for 1" belt. Tail Stock is the improved pattern, **curved under,** so as to allow Compound Rest to swing around. Tail Stock has side movement for turning taper. Tail Center is self-ejecting. Carriage has long bearing on the ways, gibbed both back and front, and can be locked when using cross feed. Cross Feed Screw has Micrometer Graduated Collar, reading in one thousandths of an inch.

Lathe is indexed to cut standard threads from 4 to 40, including 11½ Pipe Thread, right or left, and will feed right or left. Diameter of Lead Screw ¾".

EQUIPMENT includes plain rest, large and small face plates, two steel centers hardened and ground, center rest, change gears for screw cutting, necessary wrenches, and **Countershaft** or **Foot Power.**

No. of Lathe	Length of bed	Distance between centers	Swing over bed	Swing over carriage	Hole in Spindle	Diam. of Spindle Nose	Net Weight	Shipping Weight	Countershaft Pulleys	Countershaft Speed
26	42"	24"	10¼"	7"	$\frac{13}{32}$"	1⅛"	370	440	7x2"	250
26	54"	36"	10¼"	7"	$\frac{13}{32}$"	1⅛"	400	485	7x2"	250

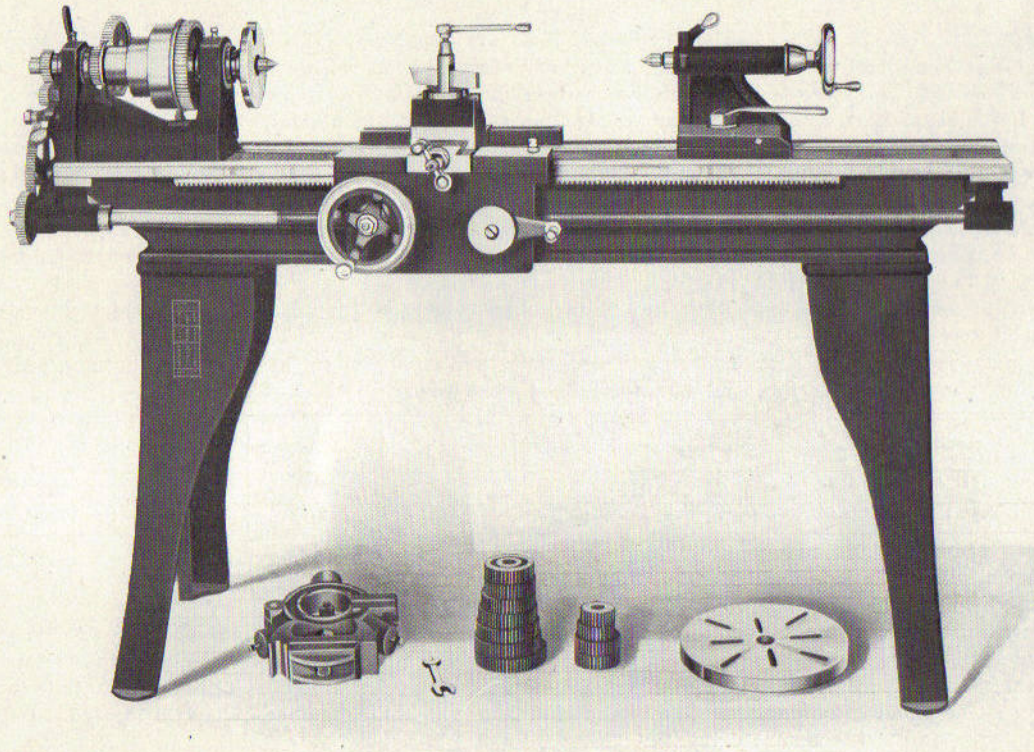
Compound Rest, graduated, (See cut page 17). Price Extra, $11.00.

Raising Blocks, so lathe will turn and bore 13" Swing, $12.00 Extra.

Countershaft used on No. 26 Lathe shown and described on page 16.

The **Foot Power,** illustrated on page 4, on the No. 26 Lathe, shows our improved Double Lever Foot Power. Having the walking beam principle, it is powerful in delivery and easy to operate. It develops greater power with less effort than the ordinary old style devices. The treadles are adjustable in any position along the lower shaft. The lower shaft is in two pieces, so that the operator may sit or stand as he desires. The center shaft, on which the Balance Wheel is located, receives the power at both ends. This insures an even, constant drive.

Our experience with this Foot Power has been so satisfactory that we use it on all sizes of South Bend Lathes where Foot Power is wanted, differing only in dimensions for the different size lathes. It runs the 13" Lathe with the same ease as the 9" Lathe, and is adaptable to the 8' bed as easily as the 3' bed. It is, without doubt, the most powerful and efficient Foot Power on the market today.



Screw Cutting Engine Lathe No. 28
11 inch Swing
Equipped with Either Countershaft or Foot Power

Screw Cutting Engine Lathe No. 28

11 inch Swing

The No. 28 Lathe is a very practical tool, where accurate work is desired, combined with a stiffness that enables it to do a great deal of manufacturing of duplicate parts. This lathe has been very popular, as it is capable of doing a great variety of work.

Our No. 28 Lathe swings 11¼" over bed, 7⅝" over carriage, has a ⅝" hole in spindle, No. 2 Morse taper, tool post takes ⅜ x ¾" tool, all of which shows it to be a solid, stocky, screw cutting engine lathe. This Lathe will reduce a piece of 1" round machine steel to ⅝" diameter in one chip.

Bed is extra wide, and has three V's and one flat bearing for aligning head stock, tail stock and carriage. (See cut page 15.) Head Stock has forged steel spindle running in phosphor bronze boxes, arranged so that wear may be taken up. Spindle Nose is 1½" diameter. Cone has three steps for 1¼" belt, which with back gear gives it six changes of spindle speeds. Our improved **Reverse** is fitted on Head Stock. (See page 15.) Tail Stock is of the improved pattern, **curved under,** so as to allow Compound Rest to swing over. It also has adjustable side movement for turning taper. Tail Center is self-ejecting, Spindle has long bearing. Carriage has long bearing on the ways, and is gibbed both back and front, and can be locked when using cross feed. Cross Feed Screw is fitted with **Micrometer Graduated Collar,** reading in one thousandths of an inch. (See page 16.)

Lathe is indexed to cut threads from 4 to 40, including 11½" Pipe Thread, and with our reverse may be instantly changed from right to left, both when thread cutting and feeding, without changing a gear. Rack is of steel, one piece, and cut from the solid. Gears are all cut from the solid, and are of steel when the service requires it. All working parts are carefully covered, so as to protect them from chips and dirt, which saves both the accuracy and life of Lathe. The Lead Screw is ⅞" diameter, and Half Nuts are especially large, which may be noted in cut. (See page 18.)

EQUIPMENT includes plain rest, large and small face plates, two steel centers, center rest, change gears for screw cutting, necessary wrenches, also either **Foot Power** or **Countershaft.**

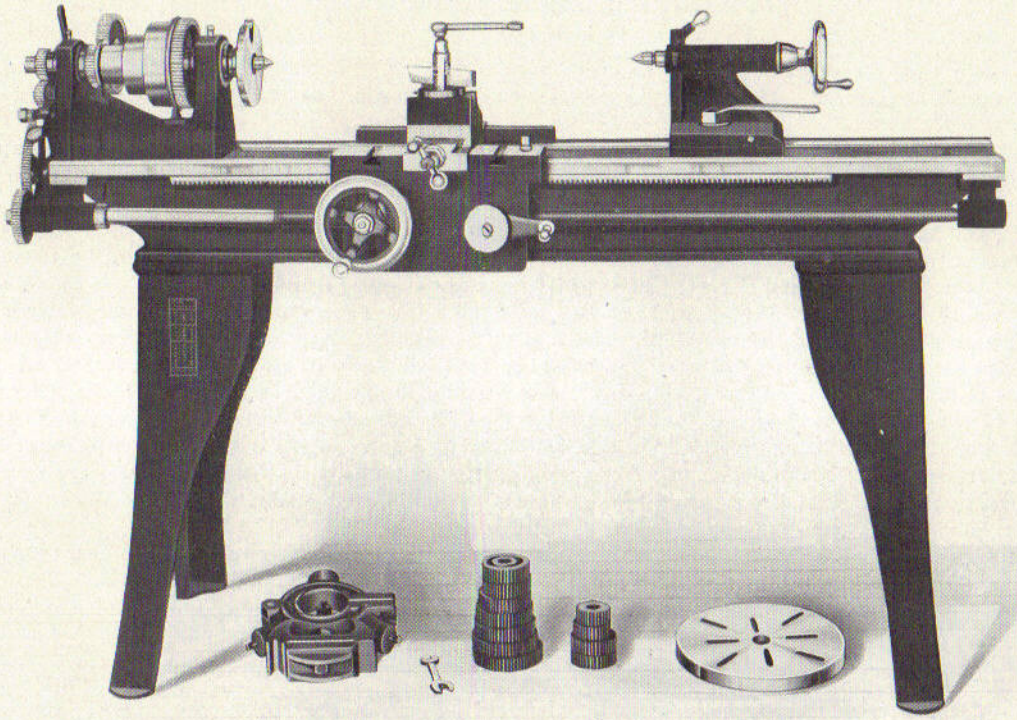
No. of Lathe	Length of bed	Distance between centers	Swing over bed	Swing over carriage	Hole in Spindle	Diam. of Spindle Nose	Net Weight	Shipping Weight	Countershaft Pulleys	Countershaft Speed
28	5 ft.	36"	11¼"	7⅝	⅝	1½	480	575	7x2"	225
28	6 ft.	48"	11¼"	7⅝	⅝	1½	525	630	7x2"	225

Compound Rest graduated. (See page 17). Price Extra $12.00.

Raising Blocks, so lathe will turn and bore 14" swing, $13.00 Extra.

¾" Hole in Spindle, when ordered special, $5.00.

Countershaft for No. 28 lathe shown and described on page 16.



Screw Cutting Engine Lathe No. 30
12 inch Swing
Equipped with Either Countershaft or Foot Power

Screw Cutting Engine Lathe No. 30

12 inch Swing

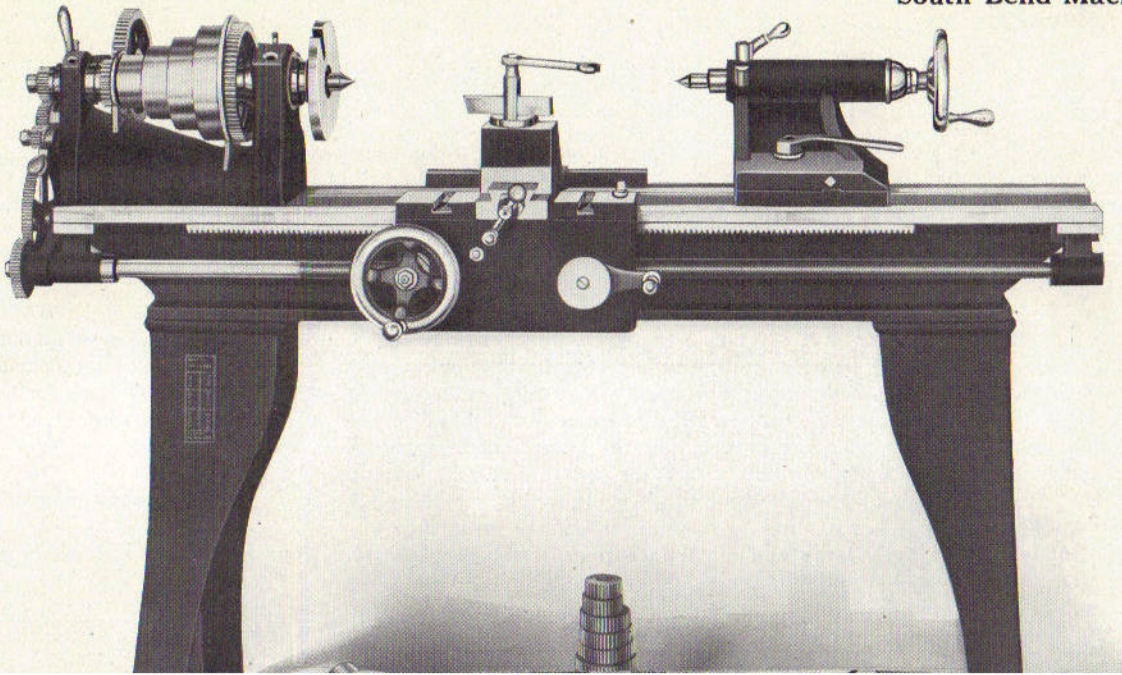
This Lathe is offered as a desirable tool for the small job shop as in either repair work or manufacturing, it is capable of taking care of a great deal of work in a practical manner. It may be operated by either foot power or countershaft. It is well built, accurate, and especially stiff for its size. This lathe can reduce a piece of 1" round machine steel to ½" diameter in one chip.

It swings 12¼" over the bed, 8¼" over the carriage, and has a ⅝" hole in the spindle, No. 2 Morse taper, tool post takes ½ x ⅞" tool. Bed is fitted with three V's and one flat way for guiding head stock, tail stock and carriage. (See cut page 15.) Bed is broad, deep and heavy, and is braced thoroughly, having several tie braces cast in. Head Stock is web pattern, has three step cone for 1½" belt, forged steel spindle, with 1½" nose, bronze boxes, and our improved **Reverse** on head. (See cut page 15.) Tail Stock is improved **curved** pattern, has set over for turning taper, self-ejecting center, long bearing on the ways. Carriage is gibbed back and front, and may be locked when using cross feed. T Slots for clamping work for boring, etc. Extra heavy nut for gripping large diameter Lead Screw, 1" in diameter. Lead Screw is cut from a master lead, having a standard pitch, which has much to do with the accuracy of the lathe. Rack is of steel, one piece, and cut from the solid. Gears are cut from the solid and carefully protected from chips and dirt.

Lathe is indexed to cut standard threads from 4 to 40, right or left, including 11½" Pipe Thread. Cross Feed Screw has a Micrometer Adjustable **Graduated** Collar, reading in one thousandths of an inch.

EQUIPMENT includes plain rest, large and small face plates, two steel centers, center rest, change gears for screw cutting, necessary wrenches, also either **Foot Power** or **Countershaft.**

No. of Lathe	Length of bed	Distance between centers	Swing over bed	Swing over carriage	Hole in Spindle	Diam. of Spindle Nose	Net Weight	Approx. Shipping Weight	Countershaft Pulleys	Countershaft Speed



cut from page

Screw Cutting Engine Lathe No. 32

13 inch Swing

The No. 32 Lathe is designed for doing a heavy class of work, such as comes to the ordinary job shop. It is strong, accurately built, and is without doubt the best lathe of its class on the market today. It is a Screw Cutting Lathe in the strictest sense, without any unnecessary attachments that go to make a lathe expensive. It will reduce a piece of 2" round machine steel to 1⅜" diameter in one chip.

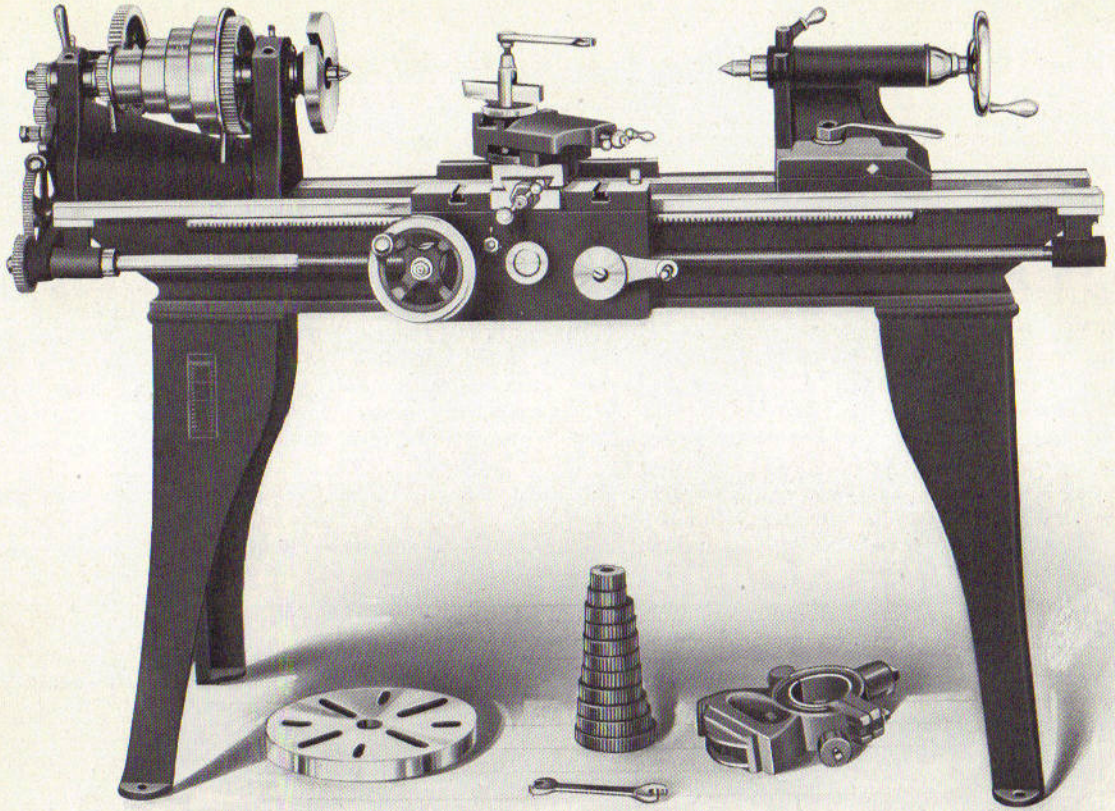
The lathe swings 13¼" over bed, 9" over the carriage, and has a ¾" hole in spindle, No. 3 Morse taper. Tool post takes ½ x 1" tools. Bed has three standard V's and one flat way. (See cut page 15.) Bed is stiff and rigid, and is tied by several large cross braces, cast in. Head Stock is web pattern, has four step cone for 1½" belt, which with back gears gives it eight changes of spindle speeds. It has forged steel spindle running in bronze boxes, which are carefully scraped and fitted. Spindle Nose 1¾". It has our improved **reverse** on end of head, within easy reach of the operator. Tail Stock is of the improved **curved** pattern, has set over for turning taper, self ejecting center, long bearing for spindle, and is extra heavy and rigid. Carriage has T slots for clamping work, and may be locked when using cross feed. It is gibbed both front and back, and has an especially heavy bridge or saddle. All racks and gears are carefully machined from the solid.

The lathe is indexed to cut threads from 4 to 40, right or left, including 11½" Pipe Thread, and with change gears many other combinations may be secured. The Lead Screw is cut from a master, lead is 1" in diameter, and insures accuracy. All parts are protected from chips and dirt. Cross Feed Screw has Micrometer Adjustable **Graduated** Collar, reading in one thousands of an inch.

EQUIPMENT includes plain rest, large and small face plates, two steel centers, center rest, change gears for screw cutting, necessary wrenches, also either **Foot Power** or **Countershaft.**

No. of Lathe	Length of Bed	Distance Between Centers	Swing Over Bed	Swing Over Carriage	Hole in Spindle	Diameter of Spindle Nose	Net Weight	Approximate Shipping Weight	Countershaft Pulleys	Countershaft Speed
32	5′	33″	13¼″	9″	¾″	1¾″	710	875	8 x 2½	225
32	6′	45″	13¼″	9″	¾″	1¾″	755	925	8 x 2½	225
32	7′	57″	13¼″	9″	¾″	1¾″	800	975	8 x 2½	225
32	8′	69″	13¼″	9″	¾″	1¾″	845	1025	8 x 2½	225
32	10′	93″	13¼″	9″	¾″	1¾″	1140	1260	8 x 2½	225

Compound Rest graduated (See page 17). Price extra $15.00. Raising Blocks, so lathe will turn and bore 18" swing, $15.00. 10-foot bed on No. 32 lathe has three legs. Countershaft for No. 32 lathe, shown and described on page 16.



Screw Cutting Engine Lathe No. 34
13 inch Swing
Fitted with Power Corss-Feed, Aoutmatic Longitudinal Feed and Compound Rest
Equipped with Either Countershaft or Foot Power

Screw Cutting Engine Lathe No. 34

13 inch Swing

Our No. 34 Lathe is surpassed by none for efficiency, and all around usefulness and adaptability. The Cross Feed and the Longitudinal Feed can be engaged only one at a time. For manufacturing, garage work, tool work, and the repair shop, this lathe is especially recommended and will be appreciated by the practical mechanic. It is equipped with Power Cross Feed, Longitudinal Feed to the carriage. Lead Screw is splined and is driven by a worm, Graduated Compound Rest, and our improved **reverse.** This lathe will reduce easily a piece of 2" round machine steel to 1⅜" diameter in one chip.

It swings 13¼" over the bed, 9" over the carriage, has a ¾" hole in spindle, No. 3 Morse Taper. Tool post takes ½ x 1" tools. Bed is stiff and rigid, tied by several heavy cross braces cast in. Bed has three V's and one flat way. (See description page 15.) Head Stock is web pattern, has a four step cone for 1½" belt, which with back gears gives it eight changes of spindle speeds. It has forged steel spindle, running in heavy phosphor bronze boxes, which are carefully scraped and fitted. Head is also equipped with our improved **reverse.** (See description page 15.) Tail stock is extra heavy and rigid, improved **curved under,** arranged for set over for turning taper. Tail Spindle has long bearing, self-ejecting centers. Carriage has T slots for clamping work, and may be locked when using cross feed. It is gibbed both front and back, and has an exceptionally heavy bridge or saddle. All racks and gears are accurately machined from the solid.

Lathe is indexed to cut standard threads from 4 to 40, right or left, including 11½" Pipe Thread. Threads may be cut either right or left without compounding. By compounding gears many other threads may be cut.

The Lead Screw is cut from a master lead, and is 1" in diameter, and will last a life time. All machine parts are protected from chips and dirt. Cross Feed Screw has Micrometer Adjustable **Graduated** Collar, reading in one thousandths of an inch. (See illustration page 16.)

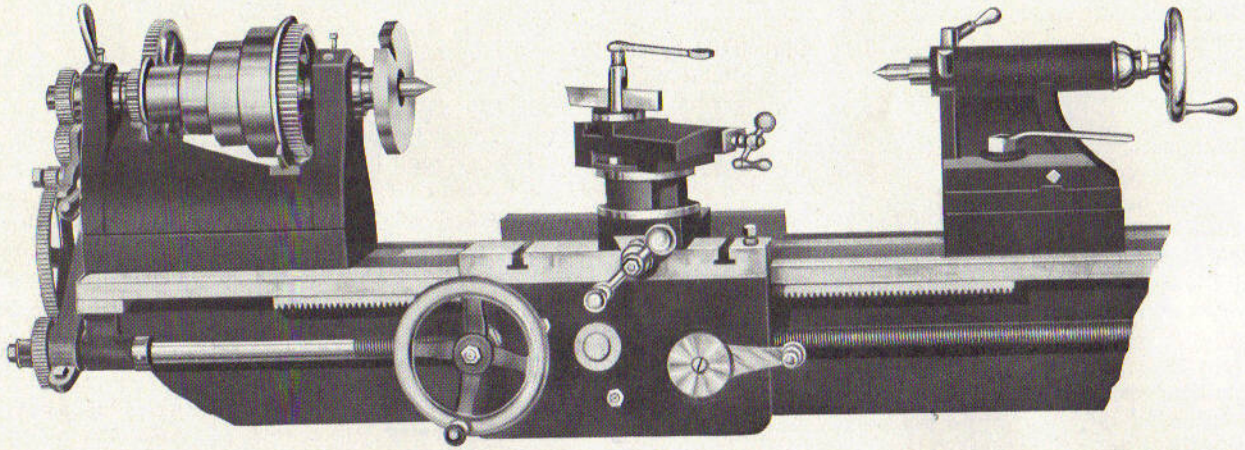
EQUIPMENT includes compound rest, large and small face plates, two steel centers, center rest, change gears for screw cutting, necessary wrenches, also either **Foot Power** or **Countershaft.**

No. of Lathe	Length of Bed	Distance Between Centers	Swing Over Bed	Swing Over Carriage	Hole Through Spindle	Diameter of Spindle Nose	Net Weight	Approximate Shipping Weight	Countershaft Pulleys	Countershaft Speed
34	5′	33″	13¼″	9″	¾″	1¾″	725	880	8 x 2½	225
34	6′	45″	13¼″	9″	¾″	1¾″	770	940	8 x 2½	225
34	7′	57″	13¼″	9″	¾″	1¾″	815	980	8 x 2½	225
34	8′	69″	13¼″	9″	¾″	1¾″	860	1040	8 x 2½	225
34	10′	93″	13¼″	9″	¾″	1¾″	1170	1280	8 x 2½	225

Raising Blocks, to turn and bore 18" swing, $15.00.

10-foot bed on No. 34 lathe has three legs. Countershaft for No. 34 lather shown and described on page 16.

Raising Blocks. The Double Purpose Lathe



The above illustration shows our No. 34, 13" Lathe equipped with Raising Blocks, which increases the swing from 13" to 18" for turning and boring. This enables the operator to machine pieces large in diameter, and of great length.

Raising Blocks are an improvement over the old style gap lathe, as the operator has the advantage of the increased swing the entire distance between centers.

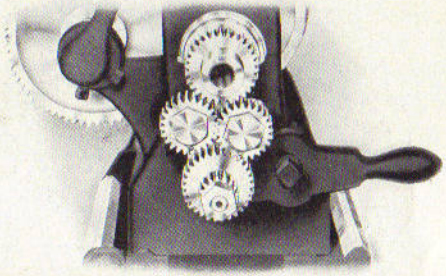
EQUIPMENT includes Raising Blocks for head stock, tail stock, tool rest and center rest, also the necessary bolts, screws and nuts for attaching same to the size lathe ordered.

The above cut shows the general appearance of all size South Bend Lathes when fitted with Raising Blocks. The Raising Block equipment may be ordered and shipped with lathe, or it may be ordered at any time after, or it may be ordered after lathe is in use several months, as they are machined in jigs, and may be attached at any time.

Price and capacity of Raising Blocks for the different size lathes is given under the description of each lathe.

Reverse

The cut shows our improved reverse, which is used on the 11", 12" and 13" South Bend Lathes. Note how simple and durable it is, like every other part of the Lathe, it is built for service. Reverse is within easy reach of the operator at all times. For cutting threads right or left, feeding right or left, and can be operated instantly without changing a gear, or it may be left in neutral position, as when spindle is running at high speed for filing, polishing, etc. With the reverse in a neutral position the gears or screws are not revolving. On a Lathe 11" or larger that is used for job shop or manufacturing, the reverse will be found a very attractive feature.



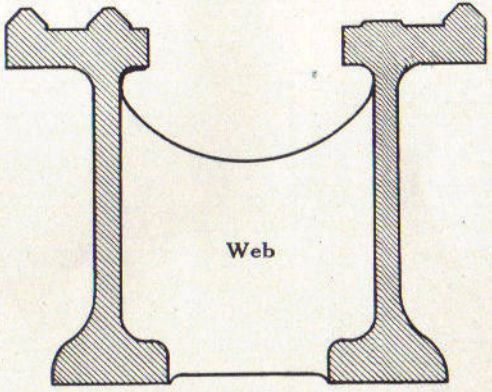
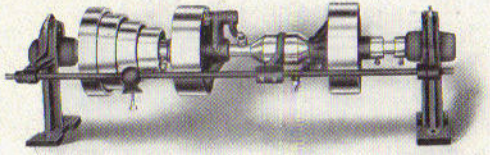


Fig. 4.

Fig. 4 shows the sectional view of our 12" Lathe bed. From this can be seen the design and construction of bed on all sizes South Bend Lathes. It has 3 standard V's and one flat bearing. The inside V and flat bearing are used for aligning head and tail stock, keeping them true. The flat bearing allows greater strength to the carriage bridge. The two outside V's have a wide spread. These V's have large surface upon which carriage travels. These standard V's play an important part of the life and accuracy of a Lathe. This feature will be found on all South Bend Lathes.

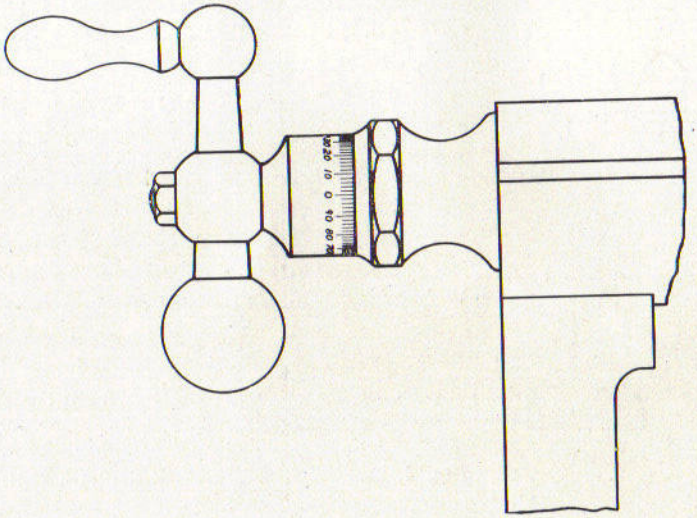
Fig. 4 also shows web braces several of which are cast on beds of all sizes of South Bend Lathes.

Countershaft



The cut shows our improved double friction, rim grip Countershaft, simple in design, easy in adjustment, powerful in grip, nothing to get out of order. It is without doubt the most efficient countershaft on the market, differing in dimensions for the different size lathes. The size of pulleys and the speed of countershaft is shown in the description of each lathe.

Graduated Collar

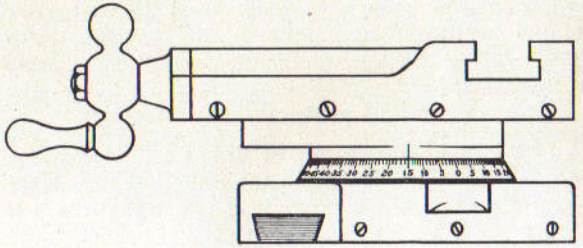


The illustration shows the micrometer graduated collar that is fitted to the cross feed screw on South Bend 11", 12" and 13" Lathes. This collar is adjustable, so that it may be set at zero, allowing the operator to move his tool forward any number of thousandths he desires. This graduated feature is appreciated by the accurate workman, as it enables him to make fine, sensitive adjustments on all classes of work.

The 9" and 10" Lathes also have Graduated Collar, but it is somewhat smaller in diameter than shown in above cut.

Compound Rest

For 9, 10 and 11 inch Lathes



This cut shows the design of Compound Rest used on the 9" 10" and 11" Lathes, differing only in dimensions for the different size lathes. This rest is strong and rigid, accurately built, has a cross travel of 2½", is graduated in degrees so that it may be set at any desired angle, has a broad and substantial bearing on carriage, and may be operated both by its own screw and the carriage screw.

Price of Compound Rest is shown under the description of each size lathe.

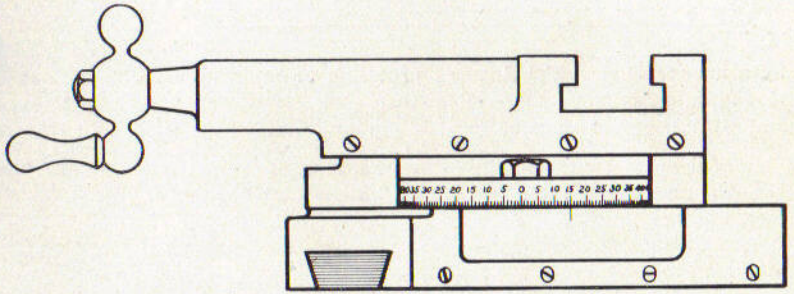
Compound Rest

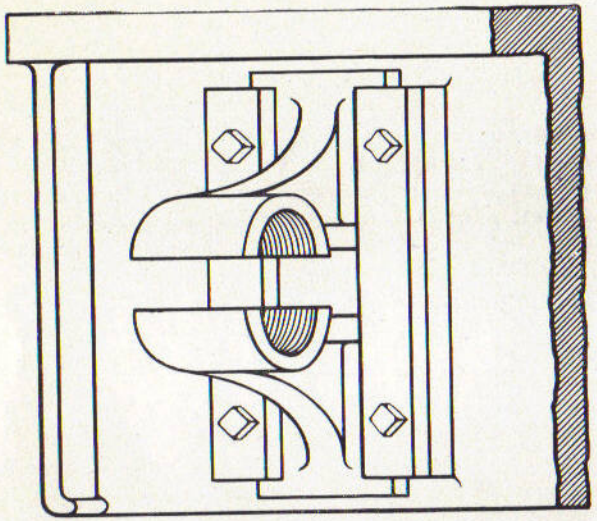
For 12 and 13 Inch Lathes

This cut shows the general design of our Compound Rest that is used on the 12" and 13" lathes. This Rest is heavy, well built and accurate. It swivels all the way around, is fastened by two T bolts. It is graduated in degrees so that various angles may be obtained, has a cross travel of 3½", a broad bearing on the carriage, and is thoroughly well built. It may be operated both by its own screw and the carriage screw.

Varying in dimensions only for the different size lathes.

Price of the Compound Rest is given under the description of the different lathes.





Half Nut

The drawing shows the mechanical construction of the Half Nuts, which grip upon the lead screw of all sizes South Bend Lathes. These Half Nuts are located in the apron, have a long bearing on the lead screw surface, and a substantial bearing in the apron, having an extra large base, which is positively gibbed. This combination, with our closing lever for the nuts on the outside of apron, make South Bend Lathes the strongest lathe of its size built.

Take for instance our No. 30 Lathe, 12" swing. It has a 1" lead screw, 8 acme thread, which is coarse and deep. When the Half Nuts are closed on that screw it delivers to the carriage every unit of power that the belt delivers to the lathe. The Lead Screw and Half Nuts have much to do with determining the power of a lathe.

There is no babbitt used in the half nuts. They are cut from the solid.

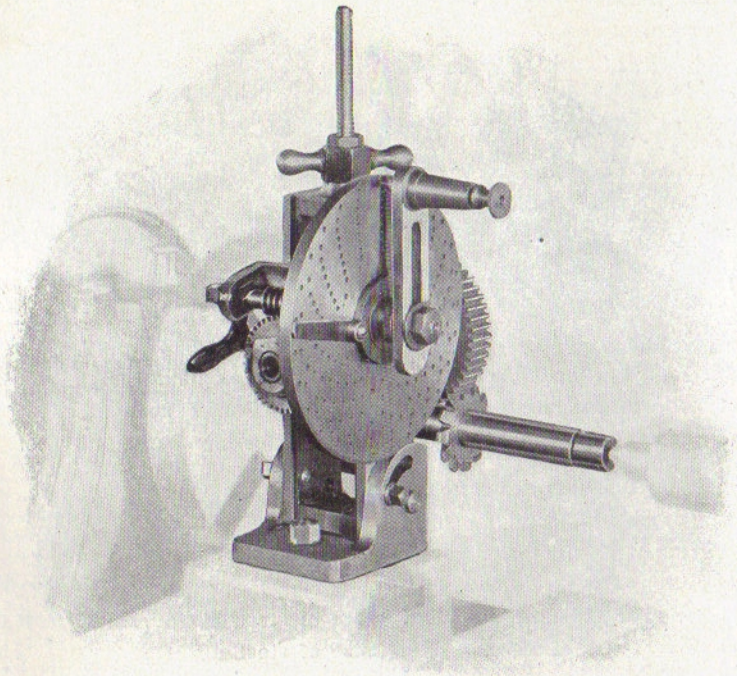
Lead Screw

The Lead Screws on all South Bend Lathes are cut on a special machine, built expressly for this purpose. They are cut by a master lead, which insures precision and accuracy. These Lead Screws are extra large in size, all of the acme standard thread, and cut from a special quality steel. This screw insures strength, long life, and accuracy to all South Bend Lathes, and with a combination of Lead Screw and Half Nuts, will last a life time.

All sizes South Bend Lathes are indexed to cut standard threads from 4 to 40 right or left as follows: 4, 5, 6, 7, 8, 9, 10, 11, 11½ pipe thread; 12, 13, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 36, 40.

Metric Threads

Metric Threads may be cut on South Bend Lathes with the standard lead screw by using transposing gears. When Metric Threads exclusively are to be cut, we furnish a Metric Lead Screw.



Gear Cutting Attachment for use with South Bend Nos. 30, 32 and 34, screw-cutting engine lathes.

For tool makers, experimenters, amateurs, or any one having occasion to cut small spur, bevel, or mitre gears, in quantities that will not warrant the purchase of a large gear cutting machine, this attachment is indispensable and will often pay for itself on a single job. When properly mounted it will turn out gears equal in accuracy and finish to those cut on a gear cutting or milling machine.

Besides gear cutting the attachment can be used for a wide variety of work such as is ordinarily done on an indexed milling machine.

The blank to be cut is held on a mandrel fitting into a taper socket in the spindle of the sliding head and is revolved by a steel worm working in a worm gear connected with the dials.

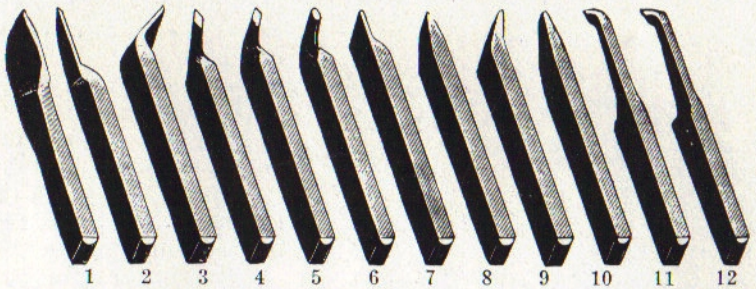
The cutter is held on a mandrel between the centers of the lathe, the cross feed screw of the lathe being used to feed the work over the cutters.

The spindle has a vertical adjustment of four inches. The diameter of the gear which can be cut depends upon the application of the attachment to the lathe.

Two dial plates giving one hundred and thirty-three changes, and dividing all numbers to 50 and all even numbers to 100, and giving a great variety of other divisions, are furnished with each machine.

Price, $40.00.

Lathe Tools



1 Left-hand Side Tool	4 Right-hand Diamond Point	7 Cutting-off Tool	10 Roughing Tool
2 Right-hand Side Tool	5 Left-hand Diamond Point	8 Threading Tool	11 Boring Tool
3 Right-hand Bent Tool	6 Round Nose Tool	9 Bent Threading Tool	12 Inside Threading Tool

For the benefit of customers who find it difficult to supply themselves with a good equipment of tools for their Lathe, we are prepared to furnish them with first-class tools, in sets of 12, ground and tempered, ready for use.

		Each	Set of 12
For 9″ and 10″ Lathes,	size of steel, $\frac{5}{16}$x$\frac{5}{8}$	$ .30	$3.00
For 11″ Lathes,	size of steel, $\frac{3}{8}$x$\frac{3}{4}$	.40	4.00
For 12″ Lathes,	size of steel, $\frac{1}{2}$x$\frac{7}{8}$	$ .50	$5.00
For 13″ Lathes,	size of steel, $\frac{1}{2}$x 1	.60	6.00

General Information on South Bend Lathes and Approximate Weights Boxed for Export

	Distance Between Centers	Swing Over Bed	Swing Over Carriage	Hole Through Spindle	Net Wt. of Lathe	Domestic Shipping Weight	Boxed for Export
No. 24 Lathe (42-in. bed) Bench	26″	9¼″	6″	13/32″	250	310	370
No. 24 Lathe (42-in. bed)	26″	9¼″	6″	13/32″	325	400	450
No. 26 Lathe (42-in. bed)	24″	10¼″	7″	13/32″	370	440	500
No. 26 Lathe (54-in. bed)	36″	10¼″	7″	13/32″	400	485	550
No. 28 Lathe (5-ft. bed)	36″	11¼″	7⅝″	⅝″	480	575	650
No. 28 Lathe (6-ft. bed)	48″	11¼″	7⅝″	⅝″	525	630	800
No. 30 Lathe (5-ft. bed)	38″	12¼″	8¼″	⅝″	580	700	850
No. 30 Lathe (6-ft. bed)	50″	12¼″	8¼″	⅝″	620	740	880
No. 30 Lathe (7-ft. bed)	62″	12¼″	8¼″	⅝″	665	780	900
No. 30 Lathe (8-ft. bed)	74″	12¼″	8¼″	⅝″	705	840	950
No. 32 Lathe (5-ft. bed)	33″	13¼″	9″	¾″	710	875	950
No. 32 Lathe (6-ft. bed)	45″	13¼″	9″	¾″	755	925	1000
No. 32 Lathe (7-ft. bed)	57″	13¼″	9″	¾″	800	975	1060
No. 32 Lathe (8-ft. bed)	69″	13¼″	9″	¾″	845	1025	1125
No. 32 Lathe (10-ft. bed)	93″	13¼″	9″	¾″	1040	1260	1350
No. 34 Lathe (5-ft. bed)	33″	13¼″	9″	¾″	725	880	975
No. 34 Lathe (6-ft. bed)	45″	13¼″	9″	¾″	770	940	1025
No. 34 Lathe (7-ft. bed)	57″	13¼″	9″	¾″	815	980	1090
No. 34 Lathe (8-ft. bed)	69″	13¼″	9″	¾″	860	1040	1150
No. 34 Lathe (10-ft. bed)	93″	13¼″	9″	¾″	1170	1280	1480

Price of Fitting Chucks

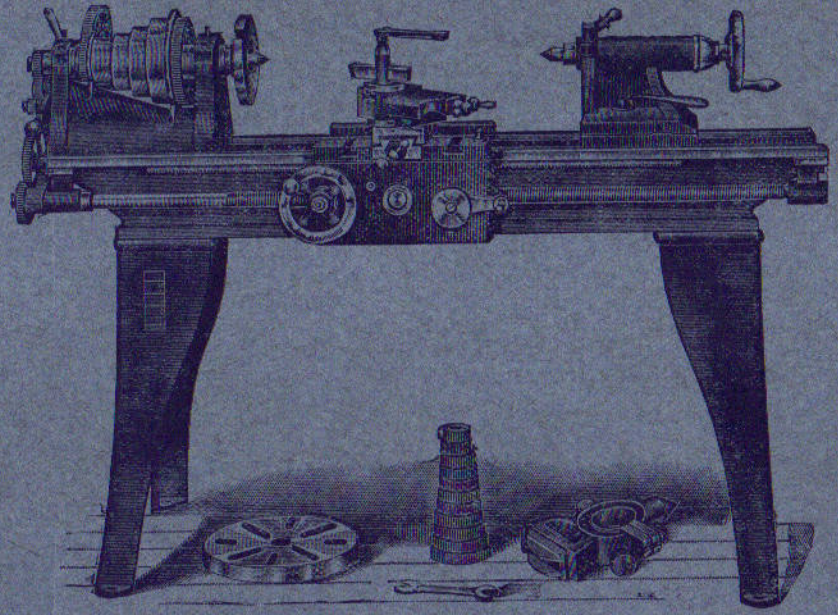
Chuck Face Plate, drilled and tapped, ready to screw on spindle of South Bend Lathes . . . . . **$1.00 Net Each**

Chuck Face Plate, drilled, tapped and fitted to chuck, ready to screw on spindle of South Bend Lathes . . . **$1.50**

Drill Chuck Shanks, fitted one end to chuck, the other end to the spindle taper of South Bend Lathes . . . **$1.00**

Little Giant Chucks, fitted to Lathe Spindle . . . **$1.75**

We Can Furnish Any Make of Chuck Desired



South Bend Lathes