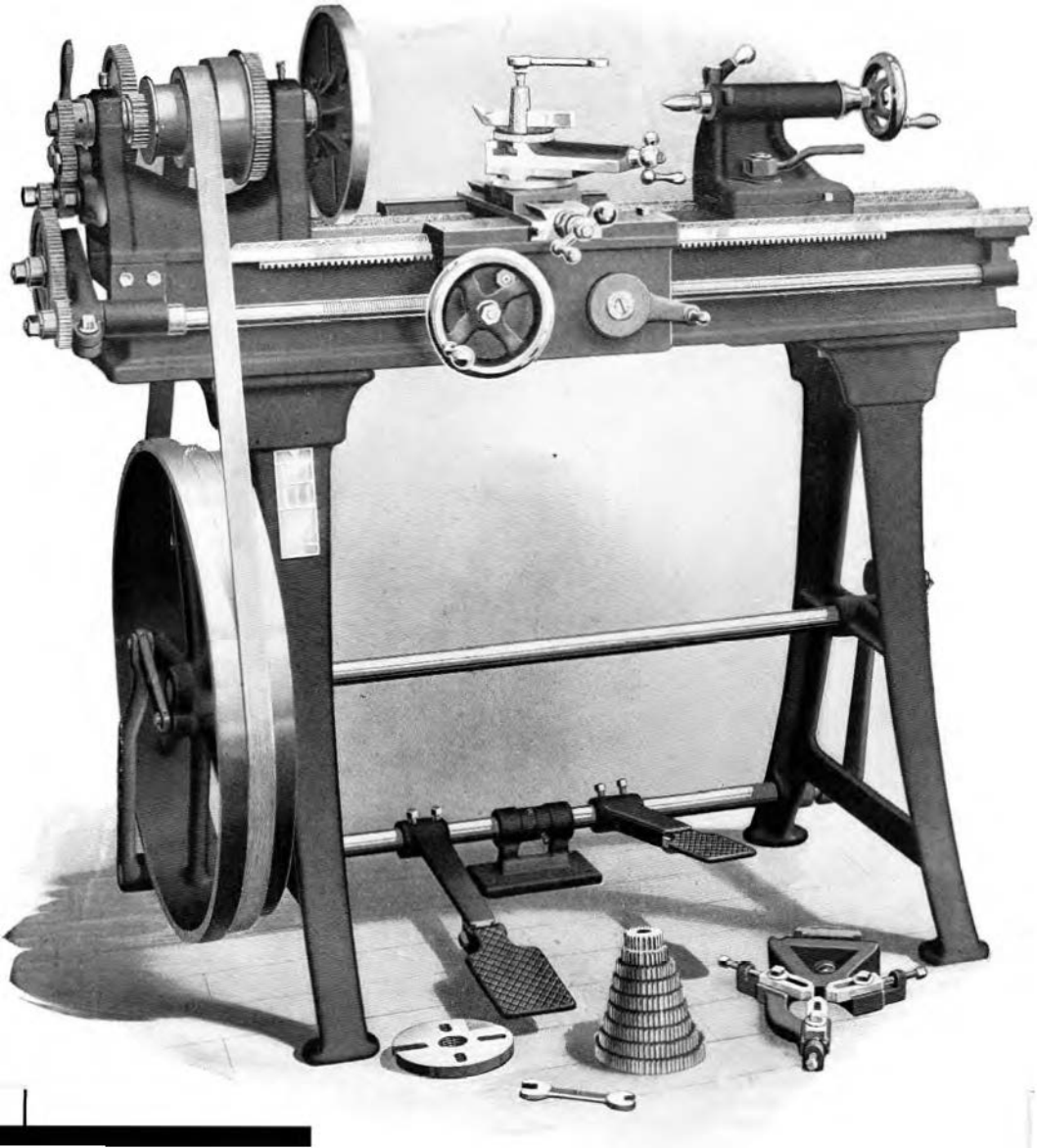

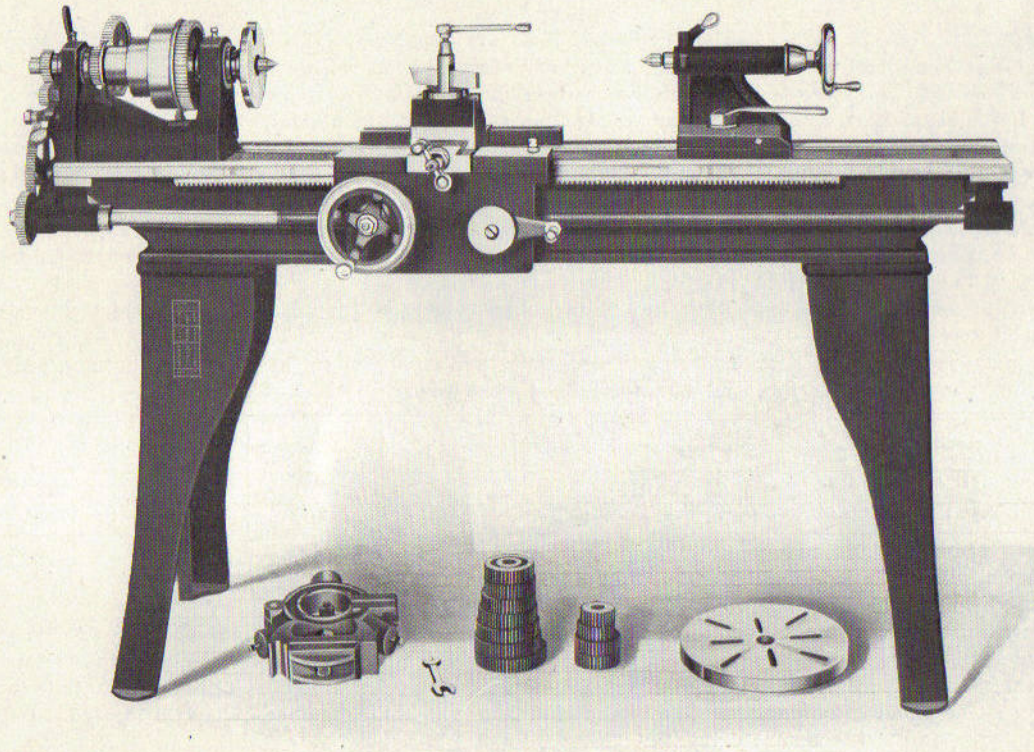

Screw Cutting Engine Lathe No. 28
11 inch Swing
Equipped with Either Countershaft or Foot Power

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.

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