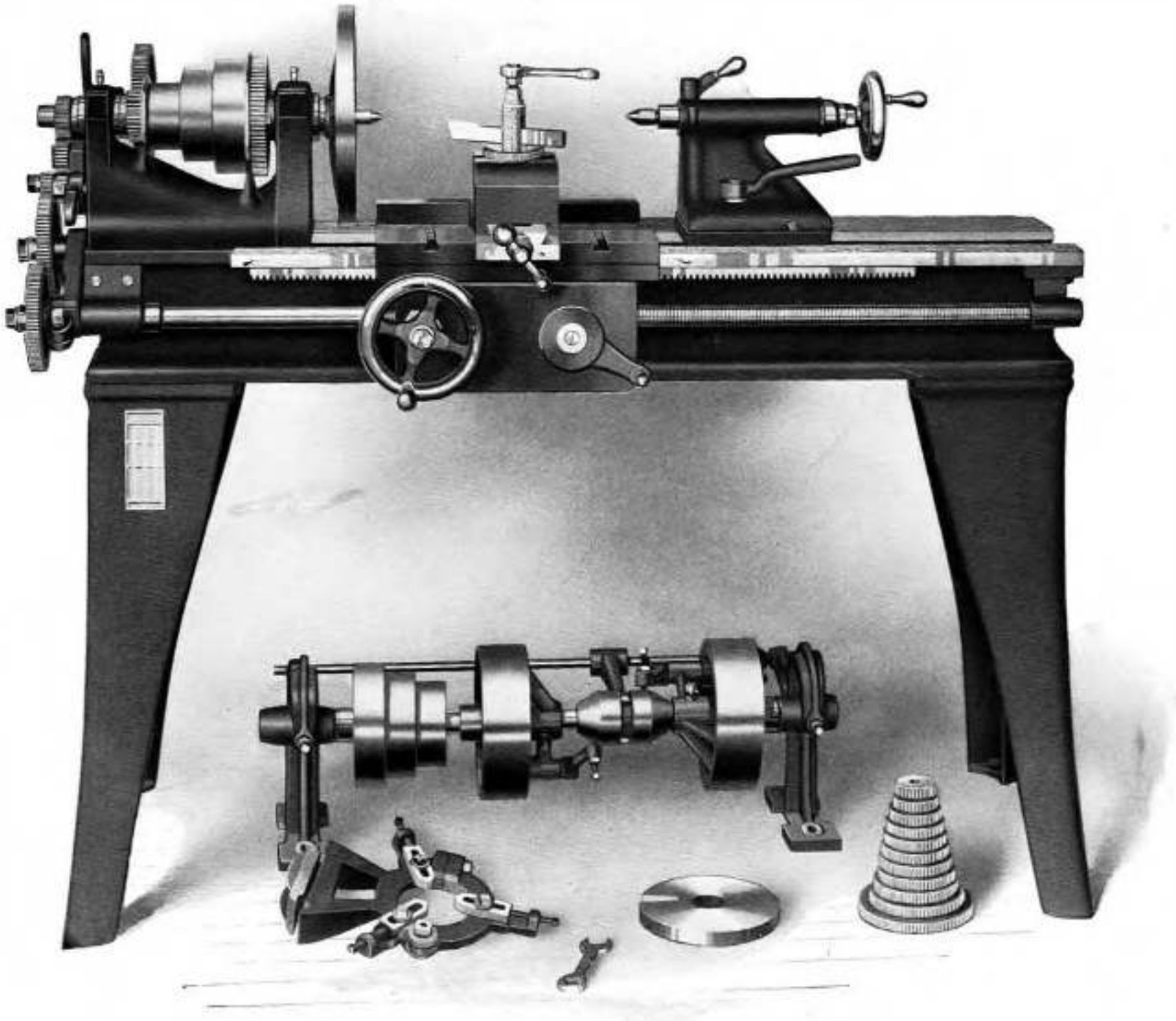

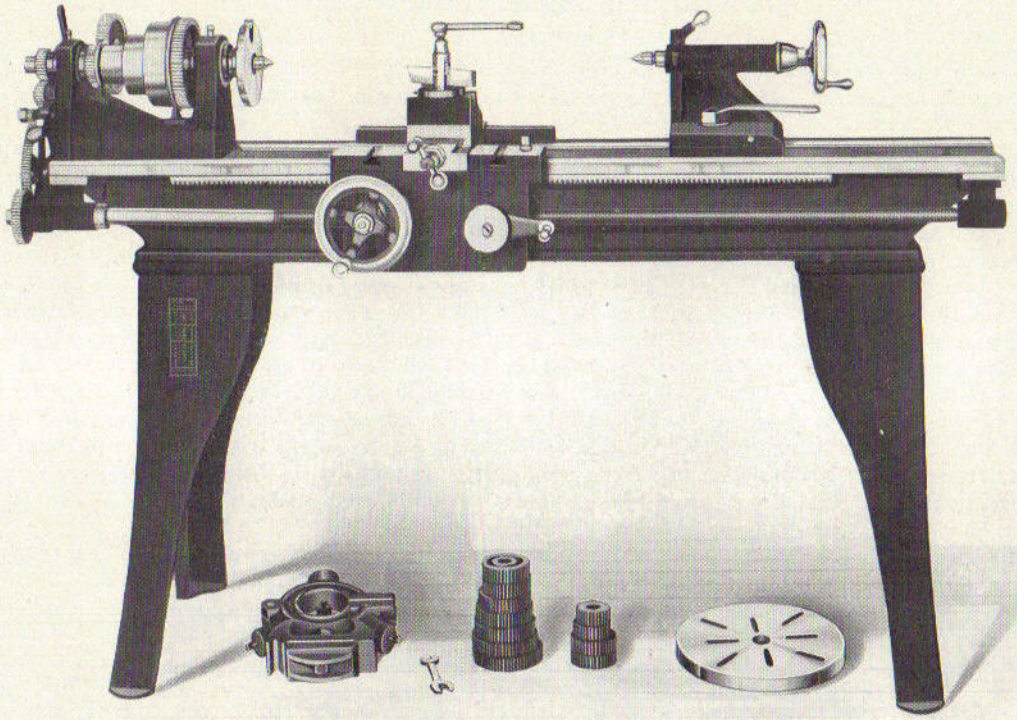

Screw Cutting Engine Lathe No. 30
12 inch Swing
Equipped with Either Countershaft or Foot Power

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

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