

ATTACHMENTS, CHUCKS, TOOKS and ACCESSORIES

For

SOUTH BEND LATHES

South Bend Lathes are noted for the number of practical attachments with which they can be equipped for taking care of milling, keyway cutting, grinding, turning tapers and etc., in the Tool Room, Manufacturing Plant and General Machine Shop. Most of these attachments may be purchased with the lathe or ordered later when needed. These attachments are illustrated, described and priced in this bulletin for each size South Bend Lathe. Many of the attachments listed are designed for use only on South Bend Lathes and cannot be used on other makes.

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South Bend Lathe Works

425 East Madison St., South Bend, Indiana, U. S. A.

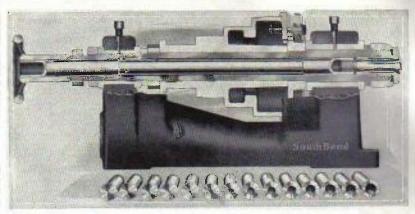
Draw-in Collet Chuck Attachments for South Bend Lathes

For Accurately Chucking Small Diameter Work

The Draw-in Collet Chuck is used on the lathe in the tool room for making small accurate tools and in the manufacturing plant for making small parts for watches, typewriters, sewing machines, radios, etc. It is the most accurate type of chuck made and will center any small work instantly. The hollow draw bar permits bars and rods to be passed through the lathe spindle and held in the collet for machining.

How The Collet Chuck Operates

The hollow draw bar extending through the lathe spindle is threaded on the right and to fit the collet. When the hand wheel on the left end of the draw bar is turned, the spring collet is drawn into the taper closing sleeve, causing it to tighten on the work.



A Cross Section of the Lathe Headstock Showing Hand Wheel Draw-in Collet Chuck

Hand Wheel Type Draw-in Collet Chuck Attachment



Hand Wheel Type Draw-in Collet Chuck Attachment and Equipment.

Prices of Hand Wheel Draw-in Collet Chuck with One Round Split Collet

Size of Lathe	Catalog No.	Hole in Lathe Spindle	Collet Capacity in Sixty-Fourths (for Round Work)	Code Word	Price Each
"Workshop"	4306 W	34 in.	16 in. up to ½ in. 16 in. up to ½ in. 16 in. up to ½ in. 16 in. up to ¾ in.	Acrut	\$25.00
9 in.	4309	34 in.		Aaron	32.00
11 in.	4311	78 in.		Abode	35.00
13 in.	4313	I in.		About	40.00
15 in.	4315	176 in.		Above	45.00
16 in.	4316	135 in.		Adore	50.00

The Hand Wheel Type Draw-in Collet Chuck attachment is used to great advantage in the tool room in making small tools and parts where accuracy is essential. It is also suitable for small lot production work in the manufacturing plant. The work is held in the collet chuck by turning the hand wheel to the right and released by turning it to the left. It is necessary to stop the lathe spindle in order to open or close the chuck.

The capacity of the draw-in collet chuck is limited by the size of the hole in the spindle of the lathe on which it is used.

Equipment Included In Price

The price of the Hand Wheel Draw-in Collet Chuck Attachment includes hand wheel and hollow draw bar, spindle nose cap, spanner wrench for nose cap, tapered steel closing sleeve, and one round, split collet of any size desired up to the maximum capacity of lathe. The tapered closing sleeve is made of tool steel, hardened and ground, to minimize wear and to insure accuracy.



Split Collets in Standard Hola Sizes for Round Work

Size of		Hole in	Collet Sizes	Code	Price
Lathe		Spindle	in Sixty-Fourths	Word	Each
Workshop	609-W	% in.	14 in. up to ½ in. 15 in. up to ½ in. 15 in. up to ½ in. 16 in. up to ½ in. 16 in. up to ¾ in. 16 in. up to ¾ in. 17 in. up to ¾ in.	Catra	\$4.00*
9 in.	609	% in.		Cabot	4.00*
11 in.	611	% in.		Cello	4.25*
13 in.	613	1 in.		Chose	4.75*
15 in.	615	1% in.		Civit	5.00*
16 in.	616	1% in.		Clear	5.50*

*Price of Split Collets \$\(\frac{\pi}{\pi} \), \$\(\frac{\pi}{\pi} \), and \$\(\frac{\pi}{\pi} \) capacity, \$1.00 extra. No. 609\(\frac{\pi}{\pi} \)—Special Collet for 9-inch lathes, has \(\frac{\pi}{\pi} \)—inch hole in front end for holding Jewelers' Plunger Blanks. \$4.50 No. 011\(\frac{\pi}{\pi} \)—Special Collet for 11-inch lathes, \$\(\frac{\pi}{\pi} \) capacity. 4.75 No. 613\(\frac{\pi}{\pi} \)—Special Collet for 13-inch lathes, \$\(\frac{\pi}{\pi} \) capacity. 5.25

Split Collets for Round Work

Used in Draw-in Collet Chuck Attachments

Split Collets for round work, as illustrated at left, are widely used for manufacturing and in the tool room. Collets for Draw-in Collet Chuck Attachments used on all South Bend Lathes are made of tool steel, hardened and tempered. They are ground both outside and inside to insure accuracy. The left end is threaded for the hollow draw bar of the draw-in chuck and has a keyway to prevent the collet from turning while holding the work. The other hand the tapered closing playing of the attachment. These to conform to the tapered closing sleeve of the attachment.

slots divide the tapered end of the collet into segments. This permits the collet to grip or release the work as it is drawn into or released from the tapered closing sleeve in the lathe spindle.



Cross Section View of Split Collet showing Its accurate construction

Special Collets

Collets for odd diameter round work measured in thousandths of an inch or in millimeters, also collets for odd diameter drills and wire gauges, can be supplied for each size South Bend Lathe at an additional charge of \$1.00 each.

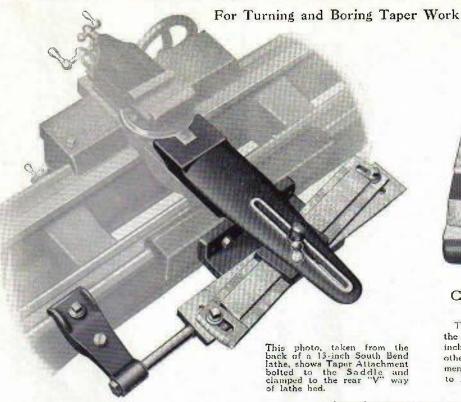
Prices of special split collets for holding round, square and howevery seeks consider a request.

square, and hexagonal stock quoted on request,



Round Split Collets with Hole Sizes Ranging from 14" up by Steps of 64ths of an Inch.

Graduated Taper Attachment for South Bend Lathes





Close-up of Graduation On End of Swivel Bar

The Swivel Bar, which controls the Taper, is graduated—one end in inches per foot of taper and the other end in degrees. The attachment can be set for any Taper up to 3 inches per foot.

The Taper Attachment is used for tool room, manufacturing and production work for turning and boring all classes of tapers. It is especially practical on production work where a large number of duplicate parts are to be taper machined by turning or boring. The attachment may be left on the lathe at all times when doing either taper or straight work. It requires only a couple of minutes to change the taper attachment from straight to taper machining or vice versa.

Fitting Taper Attachment to Lathe

The Taper Attachment should be ordered with the lathe so that it can be properly fitted and aligned at the factory. No extra charge is made for fitting this attachment to the lathe carriage and aligning with the V-ways of the bed. Fitting the Taper Attachment to lathe outside of our factory is not recommended as special tools and equipment are necessary.

Attachment Operates Entire Length of Bed

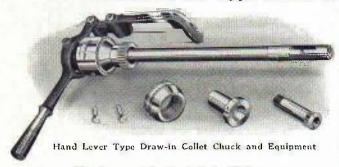
The Taper Attachment is bolted to the Lathe carriage and can be set for taper turning or boring at any position along the entire length of the lathe bed. The Attachment does not interfere with straight turning as it does not operate unless the clamp on the back "V" of the bed is locked.

Net Factory Prices of Graduated Taper Attachment

Size of	Catalog	Max	imum I	aper	Approx.	Code	Price	
	No.	At One Setting	Per Foot	In Degrees	Shipping Weight	Word	Attach- ment	
Workshop		7 ita.	3 in.	14	35 lbs.	Hapwo		
9 in. 11 in.	209	9 in. 9 in.	3 in.	14	40 lbs. 50 lbs.	Dashe Devor	65.00 75.00	
13 in.	213	10 in.	3 in.	14	65 lbs.	Digit	85.00	
15 in.	215	10 in.	3 in.	14	SO Ibs.	Doted	95.00	
16 in.	216	12 in.	3 in.	14	100 lbs.	Dress	105.00	

"Must be fitted to lathe in our factory,

Hand Lever Type Draw-in Collet Chuck Attachment



Equipment Included in Price

The price of the Hand Lever Draw-in Collet Chuck Attachment includes adjustable chuck closing mechanism and hollow draw bar, spindle nose cap, spanner wrench for nose cap, tapered steel closing sleeve, and one round split collet of any size desired up to the maximum capacity of the lathe. The tapered closing sleeve is made of tool steel, hardened and ground to minimize wear and to insure accuracy.

For Rapid Production Work

The Hand Lever Type Draw-in Collet Chuck permits releasing and feeding bar stock through the collet, without stopping the lathe. The gripping action of the collet can be adjusted to any desired tension by regulating the cylinder of the adjustable chuck closer.

The rapid production and accuracy of the Hand Lever Draw-in Collet Chuck attachment makes it a very economical tool for use in manufacturing small interchangeable parts where accuracy and precision are required.

Net Factory Prices of Hand Lever Draw-in Collet Chuck Attachment with One Round Split Collet*

Size of Lathe	Catalog No.	Hole in Lathe Spindle	Collet Capacity in 64ths (for Round Work)	Code Word	Price Each
"Workshop" 9 in. 11 in. 13 in. 15 in. 16 in.	5206W 5209 5211 5213 6215 5216	. 34 in. 34 in. 72 in. 1 in. 11/8 in. 13% in.	据 in. up to 据 in. 操 in. up to 强 in. 据 in. up to 罪 in. 据 in. up to 器 in. 据 in. up to 器 in. 据 in. up to 器 in.	Abpat Allen Among Andes Askew Aster	\$85.00 95.00 105.00 120.00 140.00 150.00

*Should be fitted at factory. For prices of extra collets see page 2.

Tools, Attachments and Accessories for South Bend Lathes

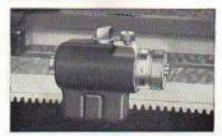


Thread Dial Indicator

This attachment eliminates the necessity of reversing the lathe to return the carriage to the starting point to catch the thread at the beginning of each successive cut that is taken. is numbered and graduated to show when to clamp the half-nuts on the lead screw for the next cut.

Prices of Thread Dial Indicator

Size Lathe Cat. No	. Code	Price	SizoLathe	Cat. No. 1	Code	Price
"Workshp" 810-W	Adnok	\$ 6.00	13 in.	813	Advis	\$11.00
9 in. 809	Abait	9.00	15 in.	815	Aesop	12.00
11 in. 811	Acres	10.00	16 is.	816	Aflot	13.00



Micrometer Carriage Stop

This attachment is useful in accurate facing, turning, boring. etc. It is used for stopping the carriage at any point along lathe bed. Can be used on either side of carriage. Has a micrometer adjustment. The stop is hardened on both ends and may be locked for doing duplicate work.

Prices of Micrometer Carriage Stop

Size Lathe	Cat. No.	Code	Price	Size Lathe	Cat. No.	Code	Price
"Workshp" 9 in. 11 in.	968-W	Capys	\$10.00	13 in.	973	Chain	\$13.00
	971	Calef	11.00	15 in.	974	Cigar	14.00
	972	Ceded	12.00	16 in.	975	Climb	15.00

Oil Pans and Chip Pans for Lathes

Pans are heavy one-piece welded steel. Oil pans and chip pans are used on regular floor leg lathes, countershaft drive, pedestal motor drive, and underneath motor drive lathes.

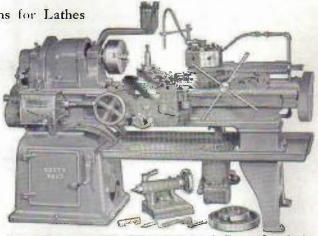
Prices of Oil Pans for Countershaft Drive and Pedestal Adjustable
Motor Drive Floor Leg Lathes †

Size	Cat.		LENGTH OF BED								
Lathe	No.	3'	316"	4'	432	5'	51/5"	6ª	7'	! 8'	10°
9" W.S.	274-W	\$21	\$22	\$23	\$24		4++		1 4 7		
9 in.	282	Z3	24	25	26						
II in.	284	25	26	27		\$29	\$30				
13 in.	286			35		38		\$41	\$44		
15 in.	288	1.6 *				45		49	53	\$57	\$65
16 in.	202		111					50	55	60	70

Prices of Chip Pans for Underneath Belt Motor Drive Floor

	Leg Lathes T												
9 in,	134 135	1 517	\$18 20	\$19 21	\$20	\$23	\$24						
13 in.	136	1		28		31		\$34	\$37				
15 in.	137					32		36	40	\$44	\$52		
16 in.	138							38	43	48	58		

†Prices include special legs instead of regular legs. NOTE: Pans should be fitted to lathe at factory.



16" x 6' Underneath Belt Motor Driven Quick Change Gear Lathe with Power Feed Turret, Oil Pan, Oil Pump, Reservoir, and Piping

Oil Pump, Reservoir and Piping for Countershaft Drive and Motor Drive Lathes

Countershaft Drive Lathe Equipment includes geared oil pump, piping, reservoir, and a flat pulley for the countershaft to drive the oil pump. See prices of equipment at right. Leather belt is extra.

Pedestal Adjustable Motor Drive Lathe Equipment includes geared oil pump, V-belt driven by 1, 11.P.

Split Phase Motor (1 Ph., 60-Cy., A.C. 110-V. or 220-V.); switch, wired to motor; and reservoir. See prices at right.

Underneath Belt Motor Drive Lathe Equipment includes geared oil pump, V-belt driven by 3/4 H.P. Split Phase Motor (1-Ph., 60-Cy., 110-V. or 220-V.); switch, wired to motor; splash pans; and reservoir. Headstock and gear box have special fittings for returning oil to pan. See prices at right.

Prices of Oil Pump, Reservoir and Piping (Fitted to Lathe at Factory

Size	For Countershaft Drive Lathes			For Pedestal Adjustable Motor Drive Lathes			For Underneath Belt Motor Drive Lathes		
of Lathe	Cat. No.	Code	l'rice	Cat. No.	Costo	Price	Cat. No.	Code	Price
Workshop 9" 11" 13" 15" 16"	1464-W 1465 1466 1467 1468 1469	Basak Basis Basay Batax Bateb Batal	\$45.00 45.00 45.00 50.00 55.00 60.00	1923-W 1924 1926 1927 1928 1929	Ciner Ciniv Cinos Cisad Cisch Cisil	\$ 90,00 90,00 90,00 100,00 100,00 100,00	Not 1726 1727 1728 1729 1730	Supplied Pazel Pebit Perox Pevar Pobat	\$110,00 110,00 125,00 125,00 125,00

Hand Lever Bed Turret



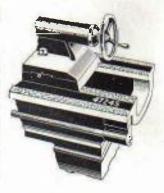
Prices of Semi-Automatic Bed Turret

of Lathe	Cat.	Std. Turret Hole	Length Turret T	tret Cod	Price Not Fitted	Price Fitted*
9 In. 11 lu. 13 in.	1509 1511 1512		046 in. 4	M In. Jab M In. Jeni M In. June	KB 302.00	\$307.00 312.00 317.00
*Pri Fluish	ee k	reludes	Hiting 1	urret to	1 the he is \$10.00	

This Turret automatically indexes one-sixth of a turn by the backward movement of the hand lever. Adjustable stops are pro-vided for each of the six faces of the tur-ret for regulating the depth of each tool. The feed of the turret slide is controlled by the hand lever. Power feed cannot be supplied. Price includes special turret base.

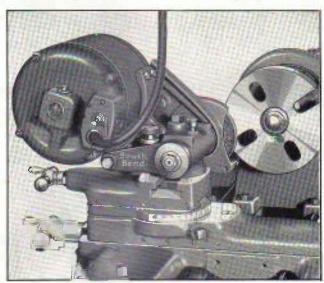
Specify Serial Number of Lathe When Ordering Parts

The serial number is stamped on top of the lathe bed between the V-way and the flatway at the tailstock end. (See This illustration at right.) number is an index to the size, type and model of the lathe and should always be specified when attachments, tools, chucks, accessories or parts are ordered separate from lathe.



No. 85 Electric Grinder for South Bend Lathes

For Grinding Hardened or Tempered Tools and Parts



No. 85 Electric Grinder Mounted on Compound Rest of Lathe

The No. 85 Electric Grinder makes a valuable addition to the screw cutting lathe in any shop that is not equipped with a modern tool room cutter and reamer grinder. It is practical for grinding straight, taper or spiral reamers, lathe centers, milling cutters, taps, dies, valves, pistons, bushings, hardened and tempered tools, parts, etc., but is not intended for grinding lathe tool bits, drills, etc. This grinder operates from electric light socket.

Equipment for Grinder

Price of grinder includes 1/8 H.P. motor. 1-phase, 60-cycle, 110-volt, A.C.; V-belt; belt guard; one Alundum grinding wheel (Grain 46-N, Grade 5-B); extension cord; switch; and clamp for mounting to compound rest. If D.C. motor is wanted add \$15.25 to prices shown. When ordering specify voltage and current required.

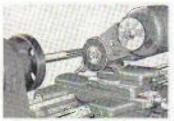
Net Factory Prices of No. 85 Electric Grinder

Size of Latha	Cat, No.	Size Grind, Wheel	Diam. Will Grind	Motor Spead R.P.M.	Spindle Speed R.P.M.	Code Word	Price, Each
'Workshop' 9 in. 11 in. 13 in. 15 in. 16 in.	85-W 85-B 85-C 85-D 85-P 85-G	4"x½" 4"x½" 4"x½" 4"x½" 4"x½"	4% in. 516 in. 716 in. 9 in. 10½ in. 11 in.	1725 1725 1725 1725 1725 1725 1725	4000 4000 4000 4000 4000 4000	Raben Racek Radem Rafet Ragel Rabom	\$45.00 50,00 55.00 55.00 55.00 60.00

Extra Grinding Wheels, Price Each \$1.50. State class of work.



No. 3236, Special Cup Wheel for cutter grinding. Shipping weight, 14 oz. Code "Lapom" \$2.00



Sharpening a Straight Reamer

Sharpening Cutters and Reamers

Cutters and reamers, of all angles, valve seat counterboring cutters, valve guide reamers, straight and taper reamers, and adjustable reamers can be sharpened quickly and accurately in the lathe equipped with the No. 85 Electric Crinder.

Adjustable Spring Cutter Stop

The Adjustable Spring Cutter stop shown at right attaches directly to the grinding attachment and travels with the wheel so that either straight, spiral, or fluted cutters may be ground. Cannot be used to hold diamond dresser.

No. 1362, Code "Macoc", Ship, wt., 14 oz. \$2.00



Spring Cutter Stop

Fixture for Diamond Dresser and Reamer Grinding Stop



Truing a Grinding Wheel with a Dresser Mounted in Holding Fixture

The No. 19 Adjustable Holding Fixture, as illustrated at left, will hold the industrial diamond dresser for truing grinding wheels and will also hold the reamer and cutter stop which is supplied with the fixture.

The fixture clamps directly to the bed of the lathe so that the carriage has free movement both when truing grinding wheels and sharpening reamers and cutters.

Net	Factory	Prices c	f Adjus	stable	Holding	Fixture
Size of Lathe.	Workshop	J 9 In.	II In.	13 in.	la in.	16 th.
'atalog No	10-W	19	19-B	19-C	19-D	19-E
ode Ward	Abmug	Quenc	Quarz	Quest	Quick	Quire
rice. Each	10.82	58.00	\$9.00	\$10.00	\$12.00	\$18.00

Industrial Diamond Dresser



No. 18, Industrial Diamond. special metal mount, 1/2 carat. Code word "Quaft." Price each \$6.00

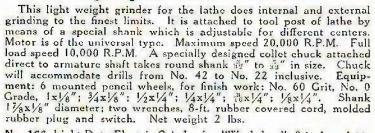


Diamond Holding Fixture Clamps to tail-spindle. Holds No. 406 diamond dresser for truing grinding wheel for valve or general work.

		Code Pric		Cat.	Code Price Word Each
W.S.	91-15	Kibaf \$3.4	25 15"		Cirav \$3.75
	91-C	Kipte 3.	25 16"	11-10	\$6,00

*9-inch Workshop Lathe.

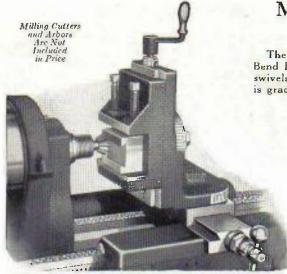
High Speed Electric Grinder



No. 166, Light Duty Electric Grinder for "Workshop", 9-inch and 11-inch Lathes. Code word "Obpol." Price. \$30.00



Light Duty Electric Grinder Fitted to Tool Post of Lathe



Milling and Keyway Cutting Attachment

For All Sizes and Types of South Bend Lathes

The Milling and Keyway Cutting Attachment is made for all sizes of South Bend Lathes from 9-inch to 16-inch swing. It fits on compound rest base, swivels all the way around in a horizontal plane like the compound rest and is graduated 180 degrees. In addition, the upright Angle Plate to which the

vise is attached swivels in a vertical plane, and is graduated 180 degrees. The vertical adjusting screw at the top of the attachment is equipped with a micrometer graduated collar. The automatic cross and longitudinal feeds of carriage can be used as well as the hand feeds.

A lathe fitted with a milling and keyway cutting attachment makes an excellent equipment for small shops not having enough work to invest in an expensive milling machine.

Equipment Included in Price

The equipment consists of milling and keyway cutting attachment, two standard V-blocks for holding round work, one crank

handle for feed screw, one double end wrench and necessary bolts and nuts Milling Attachment for 13" and Larger South Bend Lathes. for installing attachments to lathe.

Net Factory Prices of Milling and Keyway Cutting Attachment

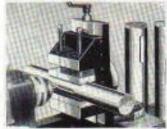
Size of Lathe	Cat. No.	Vertical Feed	Cross Feed	Vise Will Hobd	Depth of Jaws	Width of Jaws	Weight Each	Code Word	Price Each
Workshop 9 in. 11 in. 13 in. 15 in. 16 in.	9-W 1 2 3 4 5	2½ in. 3 in. 4 in. 4½ in. 6 in. 6 in.	5½ in. 7 in. 8 in. 9 in. 9% in. 9% in.	1% in. 1% in. 1% in. 2% in. 4 in.	in, in, in, in, in, 2	3 in. 3½ in. 3½ in. 4½ in. 5% in. 5% in.	13 lbs. 25 lbs. 30 lbs. 40 lbs. 50 lbs. 65 lbs.	Vabif Vagon Valet Victo Visit Varen	\$35.00 45.00 50.00 55.00 65.00 75.00



Squaring the End of a Shaft.



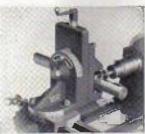
Milling a Standard Keyway.



Milling Keyway in Center of Shaft.



Milling an Angular Piece.



Milling a Woodruff Keyway.

Milling Cutters and Arbors for Milling Attachment

Plain Milling Cutters Made of High Speed Steel, hardened and ground, ut on face only. Have standard keyway.

Net Factory Prices of Plain Milling Cutters



Val.	Face Width	Diam.	Floie Dinn.	Price
810-A 810-B	/k In.	2½ In. 2½ in.	1 10.	\$3.10 4.10
849-C 849-J	Sa In.	2 1/2 lu. 23/2 lu.	1 Ju.	4.30
849-X	in.	2% in. 2% in.	1 in.	4.90 5.10
849 - N 818 - P	M in.	216 18.	1 10.	5.60 6.00

Side Milling Cutters

Made of High Speed Steel, bardened and ground,
Cut on face and both sides. Have standard keyway. Not Factory Prices of Side Milling Cutters



Collet Chuck for Woodruff Cutters



Prices of Chuck	for Weedru	ff Cutter	es (wi	thout	cutter)
Size Lathe 19" V	V.N. 9"	11"	13"	15"	16"
Cat. No 10 Morse Taper . Price Sc	4 9	a	25	3	1 3
*9-Inch Works	hop Lathe,				

Arbor for Side and Plain Milling Cutters



For holding cutters with standard 1-litch hole. Capacity between not and shoulder is 1½ inches. Three spacing collars and bardened out are furnished with each after. The Taper Shank is ground to fit the head spindle of the lather.

Net	Factory	Prices	of Ar	bors to	r Milli	ing Cut	ters
Size of Lathe		Morse Taper				Morse	
9 in.	109 AV	No. 3 Special	\$6,00 6,00 6,00 6,00		115-M 110-M	No. 3 No. 3	

Woodruff System Keyway Cutters



Made of High Speed Stret, hardened and ground, Have straight shanks ½-linch in diameter, Right-hand enters only are carried in stock. Prices of left-hand enters quoted on request.

Net FB	ctory	Prices	W 0001	run Sy	SECTION IN	intental .	Catteria
Cat.	Olam.	Wide	Price Each	Cat.	Diam.	Width	Price Each
\$97-A \$97-C \$97-C \$97-E \$97-E \$97-G \$97-H	in. in. in. in. in. in. in. in. in.	fa in.	2.80 3.10 3.10 3.40 3.40	897-J 897-K 897-L 897-M 897-N 897-O	1 (n. 1 (n. 1 % (n. 1 % (n. 1 % (n. 1 % (n. 1 % (n. 1 % (n.	in. Sin. Sin. Sin. Sin. Sin. Sin. Sin. S	\$3.80 4.20 4.20 4.40 4.60 4.60 4.90

Spiral End Mills



High Speed Steel, arriened and ground, urnisted in right-and cut, right-hand piral only.

Net Factory Prices of Spical End Mills

Cat, Diam.				Diam.		
	No. 2		870-A	% in.	No. 3	\$7.09 7.00
868-1 In.	No. 2	4.90	870-C	1 in.	No. 3	7.30
	No. 2 No. 2	6,60	870-D	1% in. 14 in.	No. 3 No. 3	9.60

Angular Cutters with Threaded Holes

Furnished R.H. or L.H. angle and with either R.H. or L.H. threaded hole. Have 60° included angle. When ordering specify whether style No. 1, 2, 3 or 4 is wanted.



Screw Arbors for Angular Cutters



When ordering arbor only give catalog number and style number of cutter the arbor is to be used with.

No. 829-A. Arbor for Workshop and 2" lathes. .\$2.50

No. 829-F. Arbor for 11" lathes 2.50

No. 829-F. Arbor for 13", 15", 16", lathes 2.50

Tools, Attachments and Accessories for South Bend Lathes



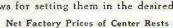
Using conter rest to support long slender shaft while being machined

Center Rest

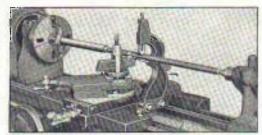
The center rest clamps onto the inside ways of the lathe bed and is used for supporting long shafts, boring spindles, etc. The three jaws are adjustable to accommodate various sizes of work, and the top of the center rest is hinged to facilitate inserting and removing shafts.

The jaws are made of cast iron, and if

properly lubricated, will wear very little.
The jaws are machined all over and have adjusting screws and lock screws for setting them in the desired position.



Size of Lathe	Catalog Number	Maximum Capacity	Minimum Capacity	Code Word	Price Each
"Workshop"	125-W 125	3 in. 3 in.	½ in.	Cegke Nygia	\$ 6.00 8.00
11 in.	303 341	314in.	1/ in.	Nygog Nygas	9.00
15 in. 16 in.	512 720	434 in. 434 in.	3% in.	Nygew Nyjou	14.00



Cutting a screw thread on a long shaft with the aid of a follower rest.

Follower Rest

The follower rest is attached to the lathe carriage and travels with the carriage, as shown above. The follower rest is used to support long, slender shafts while being machined between the lathe centers. Ad-(* justing screws and lock screws are provided for setting the jaws in position.

Slots in bottom of follower rest are used for attaching follower rest to carriage, and permit attaching or removing quickly, as it is not necessary to remove the screws from the saddle.

Net Factory Prices of Follower Rests

Size of	Catalog	Maximum	Minimum	Code	Price
Lathe	Number	Capacity	Capacity	Word	Each
"Workshop" 9 in. 11 in. 13 in. 15 in. 16 in.	34-W 130 322 376 513 730	2 in. 2½ in. 3 in. 3¼ in. 4½ in. 4½ in.	in.	Cogmo Culve Faroj Fanta Farfa Famuf	\$ 4.00 4.00 6.00 7.00 8.00 9.00

Large Face Plate

The large face plate is threaded to fit the spindle nose of the lathe, has slots for clamping work or special face plate fixtures. It is heavily constructed and is ribbed on the back. May be used for general toolwork and machine shop work.

Cat. No. 40-W. Face Plate for 9" Workshop Lathe. Outside diameter 7%". Code Word, "Cehak". \$5.00 Cat. No. 40. Face plate for 9" Junior Lathe. Out-side diameter 7%". Code Word, "Cryed". \$6.00

Adjustable Thread **Cutting Stop**

The adjustable thread cutting stop is used for regulating the depth of each chip

when cutting screw threads. This attachment may also be used for regulating the depth of the cut for regular turning operations. The attachment clamps on the cross slide dovetail of the lathe and can be locked in any position.

Cat. No. 67-W. Thread Cutting Stop for 9" Workshop Lathe. Code Word, "Cegpy."....\$2.50 Cat. No. 67. Thread Cutting Stop for 9" Junior Lathe. Code Word, "Cobra" \$2.50

Center Gauge



The center gauge is a useful tool for the lathe operator. The 60° included angle is used for checking the angle of the lathe center point. The two small 60° notches in the side of the tool are used for grinding and setting the point of the lathe tool for cutting screw threads. Made of good quality tool steel, hardened and tempered.

Cat. No. 650. Center Gauge, Code Word, "Xutje", \$0.50

Gear Cutting Attachment



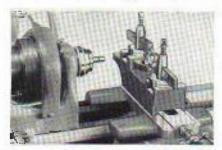
This attachment is equipped with a dividing head for cutting spur and bevel gears, also for graduating and milling, external key-seating, slotting and light milling. Holds work in any position. An index plate shows gears for divisions from 2 to 360.

Equipment included in price of the Gear Cutting Attachment illustrated consists of: wrenches, arbor for cutter, straight clamp, dog center, out-board support and 24 change

further information will be furnished on application.

Prices of the Gear Cutting Attachment together with

Double Tool Slides Screw Feed Type and Hand Lever Type

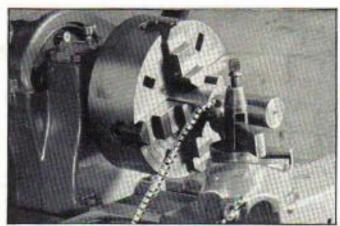


Prices of Double Tool Slides.

Size of	Screw Feed	Type	Has	nd Lever	Туре
Lathe	Cat. Code No. Ward	Price	Cat.	Code Word	Price
9"W.S.		\$40.00			\$60.00
	Double Tool				

Tool Slide illustrated is controlled by the lathe cross feed screw. An adjustable stop regulates both front and back tools. The Hand Lever Tool Slide is similar but is operated by a hand lever.

Equipment includes front and back tool rests, adjustable stop. and one tool post -the other tool post is furnished with lathe.



A chuck mounted on the spindle of the lathe

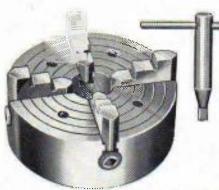
Chucks for South Bend Lathes

Selecting the Chuck for the Lathe

A 4-jaw Independent chuck is recommended if the lathe is to have but one chuck, as this type of chuck will hold square, round and irregular shapes in either a concentric or eccentric position. The jaws of the Independent chuck may be reversed so that work may be chucked either on the inside or the outside.

The 3-jaw Universal chuck is used for chucking round and hexagonal work quickly, as the jaws move simultaneously and automatically center the work. Two sets of jaws are supplied with each 3-jaw Universal chuck, one set for external chucking and one set for internal chucking.

4-Jaw Independent Lathe Chucks with Reversible Jaws



4-jaw Independent lathe chuck with reversible jaws, fitted to lathe spindle nose ready for use

These chucks have four independent solid jaws with individual screw adjustment. The jaws may be reversed for chucking work either inside or outside. Chuck body is ground and chuck jaws are hardened and ground.

Chucks listed below are ready for use as the prices include chuck-back properly fitted to the chuck and threaded for the lathe spindle. Chuck wrench is also included in price of chuck. Made in U. S. A.

Prices of 4-Jaw Independent Lathe Chucks with Reversible Jaws

Cat, Size of No. Chuck	Approx, Ship.	Price of	Lathe Spindle					
	Weight	9" Workshop	9" Lathe	11" Lathe	13" Lathe	15" Lathe	10" Lathe	
4006	6"	13 lbs.	\$23.00	\$26.00				*****
4206	6"	18 lbs.	CHARLES	38.00	\$39.00	\$40.00		
4207	71/5"	37 lbs.	****	Service and	46.00	47.00	\$48.00	
4209	9"	50 lbs.			- Commission of	52.00	53.00	\$54.00
4210	10"	60 lbs.	*****	A FEET		vere-	58.00	59.00
4212	12"	95 lbs.					88.00	89.00

3-Jaw Universal Lathe Chucks with Two Sets of Jaws



3-jaw Universal lathe chuck with two sets of jaws, fitted to lathe spindle nose ready for use

Chuck jaws are moved simultaneously by a scroll, and work is automatically centered. Two sets of jaws furnished, one set for chucking internally and the other for chucking externally. Chuck body is ground and jaws are hardened. Prices include two sets of jaws, wrench and chuck-back fitted to chuck and threaded for lathe spindle. Manufactured in the United States.

Prices of 3-Jaw Universal Lathe Chucks with Two Sets of Jaws

Cat.		Size of	Approx. Ship.							
	No.	Chuek	Weight	9" Workshop	9" Lathe	II" Lathe	13" Lathe	15" Lathe	16" Lathe	
	3005 3505	5" 5"	12½ lbs. 16 lbs.	\$25.00	\$28.00	\$41.00	\$42.00	300.23	5,555,5	
	3506	6"	22 lbs.		++++	50.00	51.00	\$52.00	55774	
	$3507 \\ 3509$	7½" 9"	37 lbs. 34 lbs.	*****	*****	44444	58.00	59.00 68.00	\$60.00 69.00	
	3510	101/4"	35 lbs.	****		44144	++++	105.00	106.00	

Chucks Fitted to Lathe at Factory

The illustration at the right shows a chuck that has been fitted with a threaded chuck plate to fit the spindle nose of the lathe. This chuck plate is carefully fitted to the back of the chuck so that the chuck will run true when mounted on the lathe spindle.



Chuck with Chuck Back Attached

Threaded Chuck Plates

Threaded chuck plates fitted to spindle nose of lathe are supplied for those who wish to fit their own chucks. When ordering threaded chuck plates specify size and serial number of lathe and diameter of recess in back of chuck.



Additional Threaded Chuck Plates for South Bend Lathes

Size of Lathe	9" Workshop	9 inch	11 inch	13 inch	15 inch	16 inch
Catalog No. Price Each	126-W \$3.00	1935 \$5.00	1936 \$6.00	1937 \$7.00		1939 \$9.00

Drill Chucks for Manufacturing and General Machine Work

For All Sizes and Types of South Bend Lathes

Jacobs Three-Jaw Drill Chuck



This Chuck is practical for general drilling work in the lathe. The jaws are of tempered steel and are operated by a heavy screw. The genred sleeve and key assure a powerful grip. Price and weight include pinion key, but not arbors, which are listed below.

Prices of Three-Jaw Drill Chuck

Cat. No.	Capacity	Dam.	Length	Net Wt.	Ship, Wt.	Code	Price
1200 1201 1202 1203	0 to % in. 0 to % in. % to % in. % to 1	21/2 in.	245 in.	114 lbs. 134 lbs. 314 lbs. 715 lbs.	1% lbs. 2% lbs. 3½ lbs. 8 lbs.	Cleve Wauko Foloa Frank	\$ 4.50 6.50 9.50 12.50

Almond Three-Jaw Drill Chuck



This chuck is practical, powerful, well-balanced and accurate for all drilling work in the lathe. The jaws are of tempered steel and are operated by a heavy screw. Price and weight include pinion key, but not arbors which are listed below.

Prices of Three-Jaw Drill Chuck

Cat. No.	Capacity	Diam.	Length	Net Wt.	Ship, Wt.	Code	Price
219	0 to % in.				1% lbs.	Aepen	\$ 3.85
220	0 to 1/2 in.				234 lbs.	Achip	
327	1/4 to 1/4 in.				3% ths.	Rulid	7.50
328	% to 1 in.	3 in.	4% in.	5% lbs.	6% lbs.	Rulof	10.00

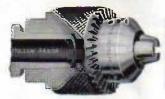
Solid Arbors for Fitting Drill Chucks to South Bend Lathes



Solid Arbor for Fitting Drill Chuck to Lathe Solid Arbors are used for fitting drill chucks to lathe. When ordering drill chuck arbor only, state size and make of drill chuck, diameter and depth of arbor socket and size of lathe on which the chuck is to be used so that we can supply the correct size arbor.

Size Lathe	Morse Taper	Cat. No.	Net Wt.	Ship, Wt.	Code	Price
Workshop"	No. 2	709 - W	5½ lb.	34 lb.	Achuk	\$1.00
9-in.	No. 2	709	36 lb.	% lb.	Abner	1.00
11-in.	No. 2	707	½ 10.	34 lb.	Aerom	1.00
13-15 in.	No. 3	713	% Ib.	1 lb.	Admins	1.50
18-in	No 3	716	76 11	1 lb.	Agate	1.50

Hollow Arbor Chuck



This is an ideal chuck for holding small rods and bar work for machining in the lathe. It is also practical for holding all kinds of engine valves, centered and centerless, for refacing in the lathe. Price and weight include pinion key and hollow steel arbor.

Prices of Hollow Spindle Chuck

Cat. No.	Size Lathe	Capacity	Net Wt.	Ship, Wt.	Code	Price
354 - A	13", 15", 16"	%" to %"	2% lbs.	3¼ lbs.	Tavif	\$10.50
354 - B	13", 15", 16"		4% lbs.	5% lbs.	Taved	14.25

Hollow Chuck Threaded for Spindle



Screws on spindle nose of lathe. Has hollow body for holding small rods, bars and automobile engine valves for refacing. %" chuck can also be used in railstock of lathe, as chuck has taper hole in body which can be fitted with solid arbors listed above. Price includes pinion key but does not include arbor.

Prices of Headstock Spindle Chuck

Cat. No.	Size Lathe	Capacity	Net We.	Ship, Wt.	Code	Price
907-W	"Workshop"	14" to 56"	31/8 lbs.	3% lbs.	Robal	\$10.00
907-L	9-in.	1/8" to 1/8"	31/8 lbs.	3%, lbs,	Robet	10.00
925 - A	9-in.	3" to 34"	3% lbs.	41/4 lbs.	Rodna	11.25
925-B	III-in.	弄" to 光"	3% lbs.	4% Ibs.	Rodpe	11.25

Chuck and Tool Assortments

For South Bend Lathes

The chuck and tools shown in the assortment at left and listed below are recommended for use in the various sizes of South Bend Lathes. This is the basic equipment required for the average shop for handling general machine work, such as turning, boring, drilling, cutting-off, chucking, etc.

The 4-jaw Independent lathe chuck is listed in each assortment because this chuck will handle round, square and irregular shaped work. However, if a 3-jaw Universal chuck is wanted instead it can be furnished at additional cost. See page 8.



Practical Chuck and Tool Assortment for General Machine Work

Assortment for Each Size Lathe	9" "Workshop"	9-inch	11-inch	13-inch	15-inch	16-inch
4-Jaw Independent Lathe Chuck fitted to lathe ready for use	\$23.00	\$26.00	\$39.00	\$47.00	\$53.00	\$59.00
Size of Above Lathe Chuck	6 in.	6 in.	6 in.	7 ½ in.	9 in.	10 in.
3- Iaw Drill Chuck	5.25	5.25	5.25	7.50	7.50	10.00
Capacity of Drill Chuck	1/2 in.	26 in.	1/2 in.	% in.	% in.	l in.
Arbor Fitted to Above Drill Chuck	1.00	1.00	1.00	1.50	1,50	1.50
Straight Shank Tool Holder	1.25	2.35	2.50	2.85	2.85	3,50
Six Ground Cutters for Tool Holder	1.65	1.65	1.65	2.50	2.50	3.75
Boring Tool Holder, Style "D"	3.00				++++	
Boring Tool Holder, Style "B"		4.30	4.30	5.15	5.15	6.75
Cutting-Off Tool Holder	1.50	2.55	2.75	3.20	3.20	4.00
Four Malleable Lathe Dogs	2.60	2.60	2,60	3.15	3,15	3.15
Size of Above Lathe Dogs	5. 8. 1. 11"	1, 2, 1, 14"	A. 3. 1. 11"	3, 2, 1, 13"	3, 2, 1, Fl"	3. 2. 1. 13"
Assortments, Complete	\$39.25	\$45.70	\$59.05	\$72.85	\$78.85	\$91.65
Catalog No., Assortment Complete	105-WT	109-T	T-111	113-T	115-T	116-T
Code Word, Assortment Complete	Dakem	Ducak	Dufec	Dufus	Dugam	Dukob

Tool Holders and Boring Tools for South Bend Lathes







Tool Holder-Straight Shank

Prices below include one drop forced, heat treated and bardened steel tool indicer (chalce of straight, right-hand or left-hand shank) with hardened steel set screw, a hardened drop forged steel werels and one unground high speed steel cutter bit, complete for the lathe.

S120	Size	Size	Catalog Numbers			Pric.
Lathe, Inches	Shank, Inches	Cutter, Inches	Straight	Hight Hand	Left Hand	Com
9" W.S.*	SAX X	14×14	847-8 849-8	847-ft 849-ft	847-L 849-L	\$1.25
13, 15	NX % Ext%	£x.5	851-8 852-8	851-R 852-R	851-1. 852-1.	2.50
16	58×1%	%x%	853-8	\$53-R	853-L	3.3

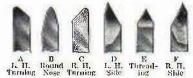
High Speed Steel Cutter Bits Ground to Shape-Ready to Use



These cutter bits are for use with the tool bolders bisted above. They are made of best quality hish speed steel (Rev AA, or Red Cut Superior) and are heat treated and hardened. We use the same quality of cutter bits in our own slopes and recommend them very highly.

The illustration below shows six cutter bits ground to the shapes that are most practical for general work. When ordering, be sure to specify the catalog numbers and the letters designating shapes of cutter bits wanted.

Ground High Speed Steel Cutter Bits



Prices of Ground High Speed Steel Cutter Bits

Size of	Size	Length	Singl	e Bit	set of 6 Bits		
Lathe Inches	Square Inches	Cotter Inches	Cat. No.	Price Each	Cat.	Price of Set	
9"W.S.* 9 11	13 14 14	2 2 2	1355 1304 1311	\$0.30 .30	291 1775 1776	\$1.65 1.65 1.65	
18, 15 16	4,	3 12	1313	.45	1777	2.50 3.75	

Unground Cutter Bits



These cutter bits are the same quality as those the same quality as those the state of the same of the

Prices of Unground High Speed Steel Cutter Bits

Size of	Size	Length	Sing	le Bit	Set of 6 Bits		
Lathe	Square Inches	Cutter	Cat.	Price Each	Cat.	Price of Set	
9"W.S."	1/4	2 2	1460 1419	\$0.17	1629 1630	\$0.90	
13, 15	Mark Andrews	214	1421	.17	1632	1.60	
16	34	8	1123	.45	1633	2.50	

Tool Holder and Cutter Bit Set

Set consists of tool holder (choice of straight, right-hand or left-hand) with one onground H.S. SteelCutter Bit and a set of 6 H.S. Steel Cutter Bits ground to forms A to F shown at right.



Prices of Tool Holder and Cutter Bit Set

Size	Lathe	"Work-			13" 15"	
Cat. Price	No	328 · A \$2,90	\$4.00	003-C	803-1) \$5.35	\$7.25

Cutting-Off Tool Holders



Cutters a rebeveled on both sides and are held at an angle giving the side clearance and imprake required. Prices held with forged steel cutting off tool holder wrench and one high speed cut-high speed cuthigh speed cut-ter blad e ground.

Size or Lathe,	Shouk.	Size Entler.		g Nun	bers	Tool Com-	Extra Cut-
Inches	Inches	Inches	Stratelit	Right	Left	tilete	ter
9"W.S.	%× %	14x 1/2	833-8	333-R		\$1.50	\$8.50
9 LI	AX N	墨×延	881-S 882-S		881-1. 882-1.		-55
13, 15	Mxl 1	MAX N	883-S		853-1.		.60
16	Saxla	18x 78	884-8		884-L	4.00	1.25

Heavy Duty Boring and Turning Tool



holder may be reversed for turning extra large diameters. Bar may be turned in holder to adjust angle of eatter bit and beight of cutting edge.

Provides rigid support for the entter hit and is a practical tool as it may be used for many unusual jobs.

Net Factory Prices of Boring and Turning Tool

Size	Tool Complete		ote	Hat		Only	
Lathe Inches	Cat. No.	Size of Bar Ins.	Price Each	Cat.	Price hach	Cat.	Price Each
9" W.S°.	469W	34x14		3677W	\$4.50	31191	\$ 5.50
11	469	3/4×14 1 ×15		3677 3678	4.50 6.00	2119 2120	5.50 6.50
13	471	134x18	16.25	3679	7.00	2121	9.25
15 16	472 473	13/2x20 13/2x20		3680 3681		2122 2123	10.50 10.50

Combination Center Drill & Countersink



For drilling center hole and countersinking 80° angle for bathe center. Made of carbon tool steel, barriened and ground.

Net Factory Prices of Center Drill and Countersink

Diam.	Diam, of	Diam, of	\$10010	DIM
of Work	Drill	Body	Cat. No.	Price
3" to 5"	n 10.	77	898-A	\$0.30
%" to 1"	in in.	.302"	898-15	.35
1 14" to 2"	3/4 In.	.302"	898-C	.40
214" to 4"	56 111.	7.11	898-1)	.45

Threading Tool Holder



Size	Thread	Ing Tool C	omplete	Extra	Cutters . Steal)
of Lathe. Inches	Cat. No.	Size of Shank, Inches	Price, Each	Cat.	Price, Each
"W.S.*	845 865 866	%x % Ax %	\$2.50 3.60 3.60	814 880 861	\$1.50 2.25 2.25
13, 15 16	867 868	%x %	4.25 5.50	862 863	2.70 3.55

Knurling Tool Holder



11 892 86x 7/ 5.10 SS7 7/ 13, 15 893 34x11/ 5.75 888 24

Prices Include Shorling tool holder and one set of medium knurts made of tool steel, tempered.

Prices of Knurling Tool			Pr	icos c	of Exti	a Kn	nuls	
Size of Lathe,				Coarse, Modhun or Straight or Diamond				Shape
	Shank Shank		FLIGS,	Cat. Di		mensions. In.		Price.
		Inches	Each	No.	Dia.	Face	Hole	
"W.S.*	820	XX X	\$3.00	817 886	5/8 8/4	38	102 27	\$1.00

Style "D" Boring Tool Holder



For boring work of small internal diameter, and for threading, turning, etc. Prices include buring tool following when the Will take the following sizes of boring bars: 9"-Lathes 14" to 14"; 16" and 15" Lathes 14" to 34"; 16" and 15" Lathes 14" to 34"; 16" and 15" Lathes 14" to

Size		Tool Co	mplete	Extra	Extra Boring Bars		
Lathe, Inches	Cat. No.	Size Shank, Inches	Size Bar Inches	Price Each	Cat. No.	Size Bar Inches	Price Each
9"W.S.	505-E 505-A	%x %	4 X5	\$3.00	498-A 498-A	14 x5	\$0.50 .50
	505-B	20 42 4x1 1/4	Ax6	3.50	498-B 498-C	fax6 %x7	.60 .80
16	505-T	58 x1 %	10.X8	4.50	120-12	16.50	1.16

Style "B" Boring Tool Holder



Size	1	1001	omprete		Extra Cutter ditt			
Lathe, Inches	Cat.	Size Shank, Inches	Size Bar, Inches	Price, Each	Cat.	Stze Cutter, Inches	Price, Each	
0"T.S.	123	75 X 34	14 8	\$4.30 4.30	454-W	ris A	\$1.15 15	
1Ĭ 13, 15	130	%x %	%×10%	4.30	455 456	A CONTRACTOR	.15	
16	132	% x1%	HX14%	6.75	457	74	.17	



Prices include holder, wrench, 2 boring bars (one on 0" "Work-shop" Lathe) and II.S. steel cut-ter bit.

		Tapl Camplete			Extra Cutter Bits			
Size Lathe Inch	Cat. No.	Size Shank Inches	Size Bar Inches	Price Each	Cat.	Size Cutter Inches	Price Each	
9"W.S.* 2, 11 13, 15 16	486 484 435 436	%x% %x%	14. 14 14. 15 14. 15	3.60 4.55 5.75	440 459 460 461	Mark A	\$0.17 .17 .30 .45	

Lathe Dogs, Centers and Accessories for South Bend Lathes



Standard and Safety Lathe Dogs

Made of heavy malleable iron and are properly designed for strength and service. The Standard Dag has square head alloy steel set serew. The Safety Dog has a headless alloy steel set serew and wrench.

Prices of Heavy Type Lathe Dogs For 11-inch to 16-inch Swing Lathes

Capacity		d Lathe	Safety La	ithe Dogs
Lathe Dog	Cat. No.	Price. Each	Cat. No.	Price, Each
% in. % in. % in.	1-M 2-M 4-M	\$0.50 .60 .70	1-3/H 2-MH 4-MH	\$0.60 .70 .80
1 in.	6-M 8-M 10-M	.80 .00 1.05	6-MFI 8-MII 10-MH	.90
1½ in. 1½ in. 2 in. 2½ in.	11-M 12-M	1.20	11-MH 12-MH	1.15 1.30 1.45
2½ in. 3 in. 3½ in.	14-M 15-M 16-M	1.60 1.75 1.95	14-MH 15-MH 16-MH	1.70 1.90 2.10
4 in,	37-M	2.25	17-MH	2.40

Light Pattern Lathe Dags For 9-Inch and H-inch Swing Lattics Only

张 in. 装 in.	1- MJ	\$0.45	1-181	\$0.55
% in.	2-34.1	.50	2-314	.60
¾ in.	4-383	.60	4-JII	.70
l in.	6-MJ	.70	6-JH	.80
1 14 in.	8-MJ	.80	8-311	.90
11/4 In.	10-7F1	.95	10-JE	1,05



Clamp Lathe Dogs

Made of heavy drop forged steel, carefully machined and hardened, Practical for holding round, hexagonal or rectangular work. Each lathe dog is boxed work. Eac separately.

Prices of Clamp Lathe Dogs

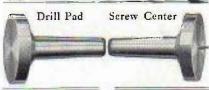
Capacity	Clan	p Dog
Between Screws	Cat. No.	Price, Each
134 in.	160	\$2.25
21/4 in.	161	3.00
23/4 in.	162	3.75
332 in.	163	5.00

60° Head Spindle Lathe Center



Prices of Head Spindle Latine Center

	9" w.S.					
Cat. No Price, each	725-W \$2.00	723-A \$2.00	725-1 \$2,00	735-C	725-11	725 - 1 52.75



Size of	Cat.	Net	Size of	Cat.	Not
Lathe	No.	Price	Lathe	No.	Price
" W.S.	727-W	\$2.00	9" W.S.	731-W	\$2.50
9 in.	727-A	2.00	9 in,	731-A	2.50
11 fn.	727-B	2.00	11 in,	731-B	2.50
18 in.	727-C	2.75	13 in,	731-C	3.25
15 in.	727-D	2.75	15 in,	731-D	3.25
16 in.	727-F	2.75	16 in,	731-E	3.25



Spur Center

Cup Center



60° Tail Spindle Lathe Center



Size Isube	9" W.S.	g in.	III In.	is In.	15 In.	16 ln.
Cat. No Price, each	726-W \$2.25	726-A	26-I	28-C	726-1)	726-1

Morse Taper Sleeve

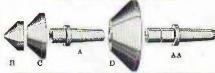
Made of Steel and machined to Morse Standard Taper Gauges. Used in fit-ling small tapers to large sockets.



Prices of Morse Taper Sleeve

Cat. No.	Size Morse Taper	Taper of Boro	Outside Taper	Price.			
118-A 118-B	No. 1 to 2 No. 1 to 3	No. 1 Morse No. 1 Morse	No. 2 Morse No. 3 Morse	\$0.75			
118-C	No. 1 to 4 No. 2 to 3	No. 1 Morse No. 2 Morse	No. 4 Morse No. 3 Morse	1,10			
118-E	No. 2 to 4 No. 3 to 4	No. 2 Morse No. 3 Morse	No. 4 Morse	1.10			

Pipe Centers for Lathes



For machining pipes in the laths. Centers B, C, and D revolve on the short end of taper shanks A and AA, which fit within the head and tall spinotle of the lathe. Shank A is used with Centers B and C; Shank AA with Center D. Prices of centers larger than those listed will be turnished on request.

Prices of Taper Shanks and Pipe Centers

Size	Center I		Taper Shank AA and Center D for Pipe 5" to 8"		
Lathe	Cat. No.	1'rice	Cat. No.	Price	
9" W.S. 9", 11"	663-W	\$7.00	Not Made Not Made	Not Made Not Made	
18", 15"	668-B 663-C	8.00 8.50	929-A 929-B	\$16.50 17.00	
FEXUA 5". \$6.00.	for No. 912		C, for p	ipe 3" to	

Hand Rest for Wood Turning

The hand rest for wood turning is a necessary attachment for the pattern shop and is also used in general shops where wood working, as well as metal working is done. This attachment is also used for turning liber, bakelite, catalin and other cast resin plastics. Clamps direct to lathe bed. The prices listed below include the base, two T-rests, clamp and bolt.





Hand Rest for Wood Turning

For 9" "Workshop" Only

Attachment clamps on lathe carriage in place of the compound rest. Price includes base and "T" rests 4", and 12" long. No. 896-W, Code" Adows", Ship. wt. 6 lbs. \$5.00



Metric Transposing Gear Attachment

Metric Transposing Gear Attachments can be supplied for both Stundard Change Gear and Quick Change Gear South Bend Lathes to permit cutting right and left hand metric screw threads equal in accuracy and precision to threads cut on lathes equipped with metric lead screws.

The prices listed below include all special equipment required for cutting the following right and left hand metric threads: .5. .75. 1. .1.25. 1.5. 1.75. 2., 2.5. 3. 3.5. 4. 4.5. 5., 5.5. 6., 6.5, 7., and 7.5, mm. pitch.

Net Factory Prices Metric Transposing Gear Attachment

Size of Lathe	When Ordered With Lathe			When Ordered Extra				
	Quick Ch. L.		8td., Jr., W.S.L.		Quick Ch. L.		Std., Jr., W.S.L.	
	Code Word	Price	Code Word	Price	Code Word	Price	Code Word	Price
9" W.S.	Behan	\$30.00	Bydof Barol	\$15.00 25.00	Тацога	\$33,00	Tytar Tibol	\$18,00 28,00
11" 13"	Beler Bemeh	35,00 40,00	Bazar Beyin	30.00 35.00	Tasid Tadus	40.00 45.00	Tigem Tohis	35.00 40.00
15" 16"	Bemil Berew	45.00 50.00	Belar Bodik	40.00 45.00	Tesol Texis	52.00 58.00	Tojar Tokas	47.00 53.00

Fine Thread Cutting Attachment For Standard Change Gear South Bend Lathes



Fine Screw Thread and Fine Automatic Feed Attachment

Prices	Fine Ti	troad Cult	ing Altae	hment	
Size		then Or-	Price When Or- dered Extra		
Lathe	Cat. No.	Price	Cat. No.	Pries	
9" W.S.	1565 -W	\$ 8.00	1870-W	\$10.00	
9 in.	300	00.00	11136	15.00	
11 iu.	313	13.00	1090	20.00	
13 in.	314	14.00	1091	22.00	
15 m.	315	17.00	1092	27.50	
16 in.	317	17.00	1003	27.50	

This attachment permits compounding the gears furnished with lathe for cutting additional screw threads of fine pitch as follows: 44, 46, 48, 52, 54, 56, 60, 64, 72 and 80 per inch. The same attachment can be fitted with additional gears at extra cost for extra fine screw threads and fine feeds.

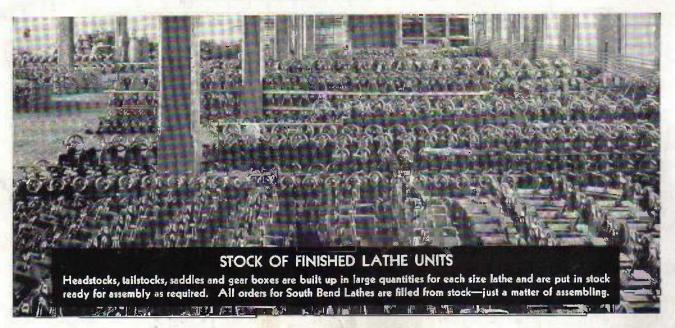
The Attachment can be ordered with the lathe and fitted at factory, or it can

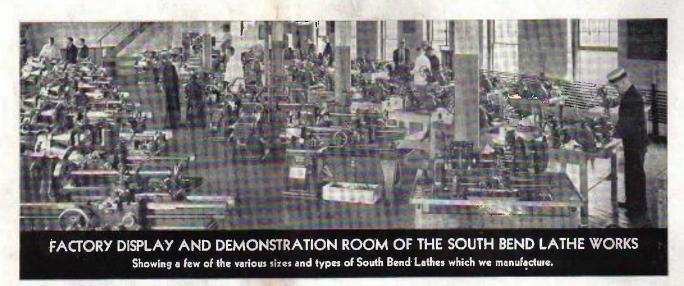
be purchased later as extra equipment. When ordered with the lathe the gear bracket regularly supplied with the lathe is omitted.

Equipment includes a double arm bracket, one 1 to 2 compound gear, intermediate gear, thread chart, bushings, bolts and nuts.

NOTE: The double arm gear bracket is common on both the Metric Transposing Gear Attachment and the Fine Thread Cutting Attachment. Therefore a lower price will be quoted if both attachments are wanted.

South Bend Lathes are Produced on Quantity Basis Each Size Lathe is Built in Large Lots







EACTORY OF THE SOUTH BEND LATHE WORKS, SOUTH BEND, INDIANA, U. S. A. Established 1906. Lathe Builders for 30 Years. Ground area 4½ acres. Floor space 180,000 sq. ft.

SOUTH BEND LATHE WORKS

425 EAST MADISON ST. SOUTH BEND INDIANA, U. S. A.