

**SOUTH BEND LATHE, INC.**  
425 EAST MADISON STREET  
**SOUTH BEND, INDIANA 46622**

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Return requested

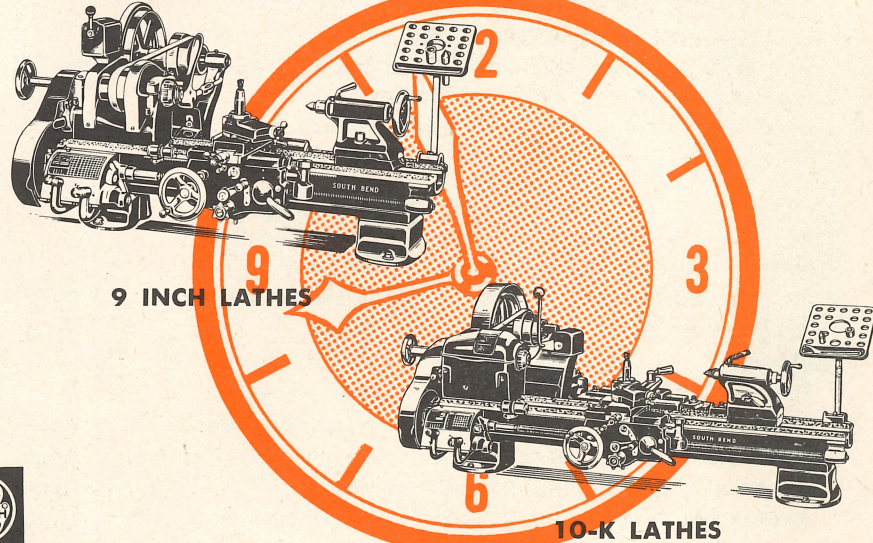
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*Dependable as Time . . . . .*

**SOUTH BEND'S  
Precision**



9 INCH LATHES

10-K LATHES

The name **SOUTH BEND** is your assurance of quality in Precision Machine Tools. For Lathes, Milling Machines, Drill Presses, Hydraulic Presses, Mechanical Presses, and Shapers contact your nearest distributor for complete information and price quotation.



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- WIS. Milwaukee, Wis., W. A. Voell Machinery Co. Ph. GR 6-0990

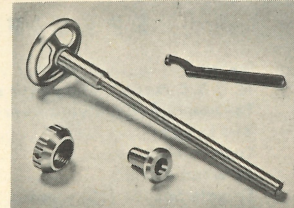
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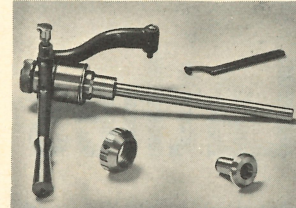
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**Attachments and Accessories for 9-inch and 10-K Lathes**

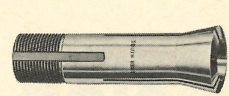
These are some of the practical attachments which greatly increase the usefulness of South Bend 9" and 10-K Lathes. Send for catalog listing all 9" and 10-K Lathes, and the complete line of South Bend attachments and accessories.



Handwheel Collet Attachment. Collets not included. Ship. wt. 5 lbs.

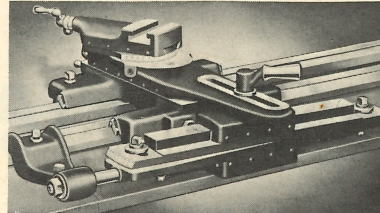


Handlever Collet Attachment. Collets not included. Ship. wt. 10 lbs.

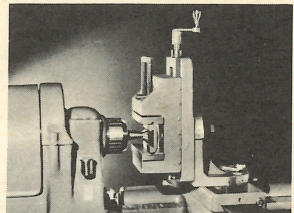


STEEL COLLETS FOR ROUND WORK

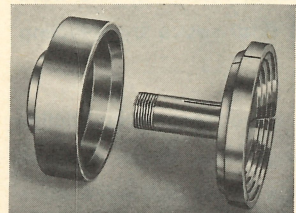
9"—Max. Col. Cap. 1/2"  
10"—Max. Col. Cap. 3/8"  
Fractional, decimal and metric sizes.



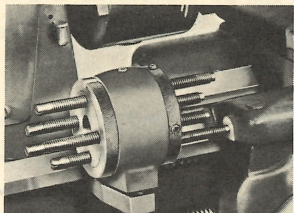
Taper Attachment. Turns up to 3 1/2" per ft. Ship. wt. 35 lbs.



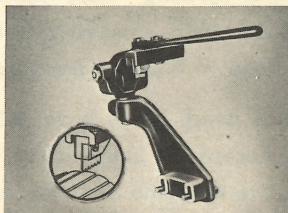
Milling Attachment. Ship. wt. 13 lbs. Cutters not included.



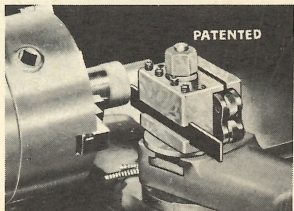
Step Chuck Equipment. Capacity 2" to 6" dia. Write for catalog and prices.



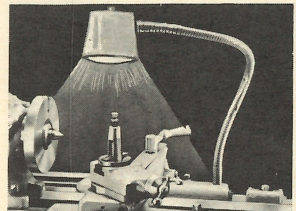
Four Position Carriage Stop. Saves time. Ship. wt. 6 lbs.



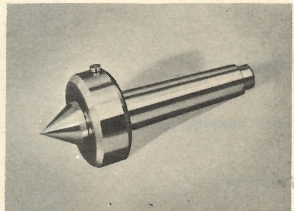
Mica Undercutting Attachment. Mounts on carriage. Ship. wt. 7 lbs.



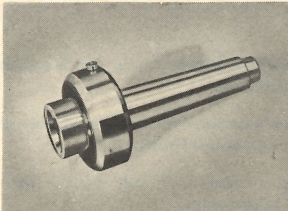
10 in 1 Tool Holder, replaces tool post. Ship. wt. 5 lbs.



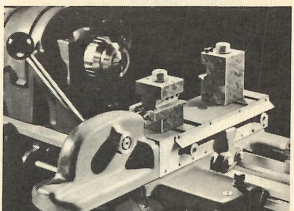
Work Light for Lathe, clamp for attaching to bed. Ship. wt. 5 lbs.



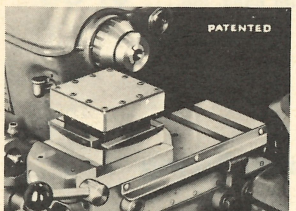
Ball Bearing Live Center with 60° point. Ship. wt. 3 lbs.



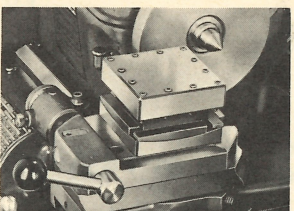
Ball Bearing Live Center with 60° hollow. Ship. wt. 3 lbs.



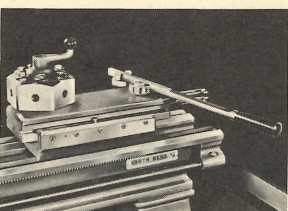
Handlever Cross Slide carries 3 cutting tools. Ship. wt. 36 lbs.



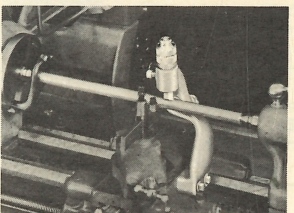
Turret Tool Block for H. L. Cross Slide. Ship. wt. 10 lbs.



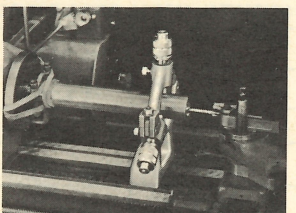
Turret Tool Block for Compound Rest. Ship. wt. 13 lbs.



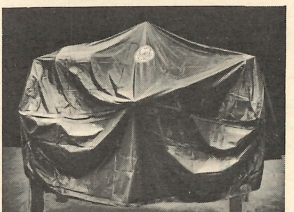
Handlever Bed Turret, indexes automatically. Ship. wt. 76 lbs.



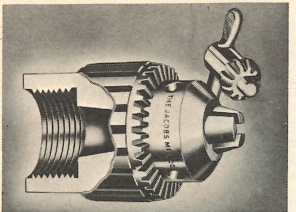
Telescoping Jaw Follower Rest. Max. capacity 2". Ship. wt. 7 lbs.



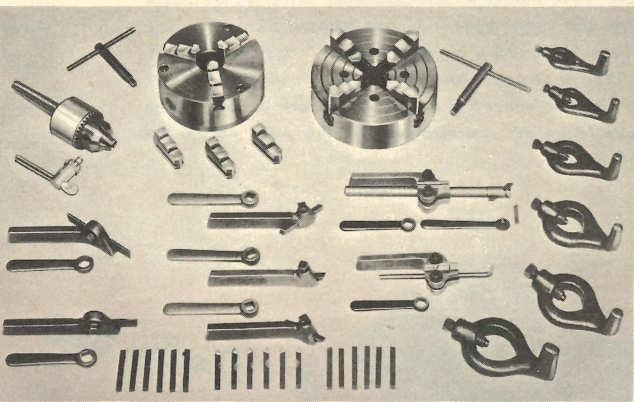
Telescoping Jaw Steady Rest. Max. capacity 3". Ship. wt. 11 lbs.



Waterproof Cover. Ship. wt. 3 lbs. For 3', 3 1/2', 4', & 4 1/2' bed.



Jacobs Valve Chuck for lathe spindle. Cap. 1/8" to 5/8". Ship. wt. 3 3/4 lbs.



20-TOOL ASSORTMENT FOR 9" and 10-K LATHES

Consisting of CL4006NK, 6" 4-Jaw Independent Chuck, fitted to lathe; CL3005NK, 3-Jaw Universal Chuck, fitted to lathe; special 1/2" Jacobs 3-Jaw Drill Chuck with fitted Arbor; CE847S, Straight Shank Tool Holder; CE847R, Right Hand Tool Holder; CE847L, Left Hand Tool Holder; CE833R, Right Hand Cutting-off Tool Holder; CE833S, Straight Shank Cutting-off Tool Holder; CE1779, set of 6 Ground Cutter Bits; CE1629, Two set (6) Underground Cutter Bits; CE3175, Style "D" Boring Tool Holder; CE423, Style "B" Boring Tool Holder, and set of 6 Malleable Lathe Dogs 3/8" to 1 1/2" capacity, CE3837, CE3838, CE3839, CE3840, CE3841 and CE3842. Ship. wt. 52 lbs. Any above item can be purchased individually.

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# SOUTH BEND<sup>®</sup>

## 10-K Precision LATHES

The 10K is a fine precision lathe for small work in the toolroom, manufacturing plant, maintenance department or repair shop. It has the same precision and many of the features and refinements usually found only on larger and more expensive lathes.

These include precision finished V-ways on lathe bed, heat treated and superfinished spindle, replaceable bronze sleeve bearings for spindle with oil reservoir and capillary oiling system, graduated tailstock spindle with micrometer graduated collar on feed screw.

The workmanship and materials used in construction are the best that can be obtained and the highest standards of inspection are maintained throughout the manufacture of South Bend 10K Lathes.

### Install a 10K Lathe in your shop for

**Speed**—High spindle speeds for machining small diameters and for smooth finish. Slower speeds for cutting screw threads and reaming.

**Accuracy**—Precision built for precision production.

**Economy**—Low first cost and inexpensive to maintain—for years of satisfactory service.

Model A—10K Bench Lathes have full quick change box and patented worm drive apron with friction clutch.

Model B—10K Bench Lathes are the same as Model A except that independent change gears are supplied in place of quick change box.

Model C—10K Bench Lathes are the same as Model B except for hand-operated cross feeds in place of worm drive and clutch in the apron.

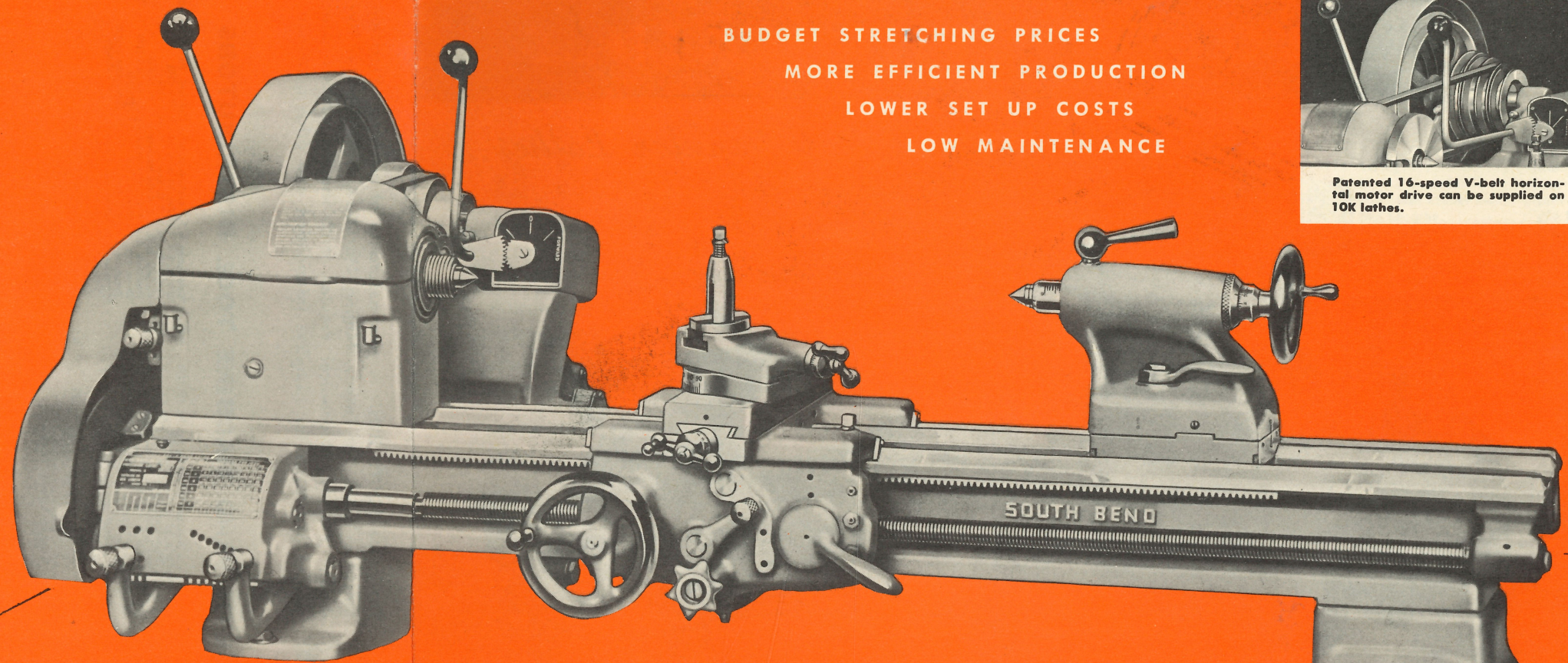
### features

- Heat-treated, alloy steel, superfinished spindle.
- 3 V-ways — one flat-way for precision alignment of headstock, tailstock and carriage.
- Precision bored, bronze sleeve bearings.
- Quick acting bull gear lock.
- Felt wipers on both ends of tailstock base and saddle to clean and oil the bedways.
- Precision built for precision production.

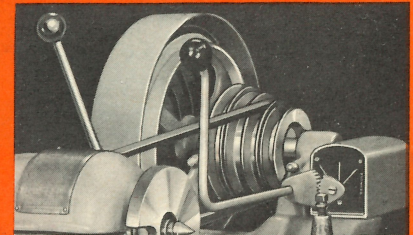
### SPECIFICATIONS

Swing over bed.....10" (254 mm)	Power Longitudinal Feeds
Swing over cross slide.....6-1/4" (158 mm)	Toolroom and Model A.....48 feeds
With taper attachment.....5-7/8" (149 mm)	Model B.....26 feeds
Bed lengths.....3, 3-1/2, 4 and 4-1/2'	Model C.....14 feeds
Toolroom Model.....3, 3-1/2, and 4'	Power Cross Feeds
Distance between centers.....16" to 34"	Toolroom and Model A.....48 feeds
Spindle speeds (12).....48 to 1435 r.p.m.	Model B.....23 feeds
Hole through spindle.....27/32" (21.4 mm)	Model C.....Manual cross feed
Maximum collet capacity.....5/8" (15.8 mm)	Motor (recommended).....1/2 h.p.

Metric threads are available when metric gear box and lead screw are specified in lieu of English equipment.



BUDGET STRETCHING PRICES  
MORE EFFICIENT PRODUCTION  
LOWER SET UP COSTS  
LOW MAINTENANCE



Patented 16-speed V-belt horizontal motor drive can be supplied on 10K lathes.

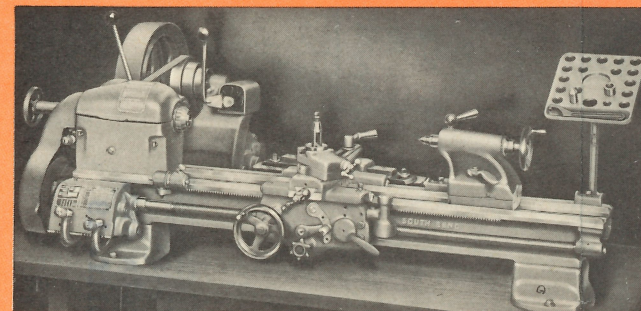
CL670Y. Model A 10-K Bench Lathes have full quick change box and patented worm drive apron with friction clutch. F.O.B. South Bend, Indiana. Bench and electrical equipment not included.....

**\$584**

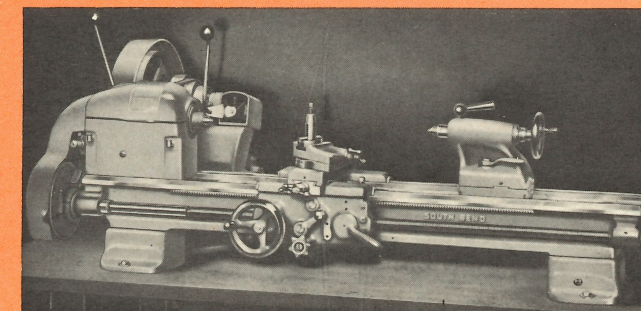
**BIG RESULTS . . . FROM**

*small size - low cost*

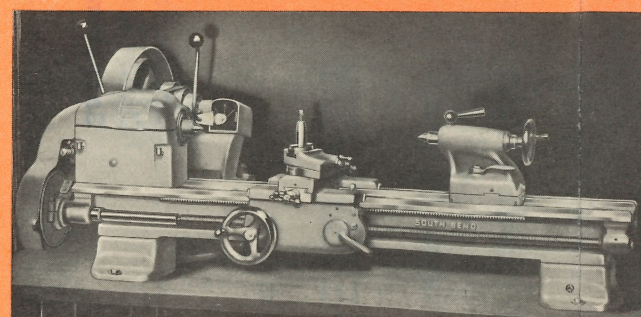
**SOUTH BEND LATHES**



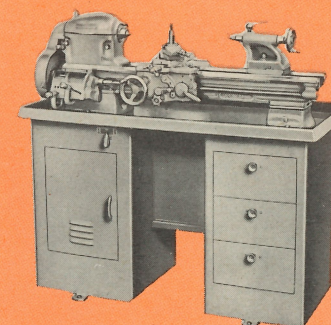
CL8670Y. 10-K Toolroom Bench Lathe. F.O.B. South Bend, Indiana **\$825**



CL667Y. 10-K Model B Bench Lathe. F.O.B. South Bend, Indiana **\$496**



CL653Y. 10-K Model C Bench Lathe. F.O.B. South Bend, Indiana **\$417**



CL370ZD. South Bend 10-K Floor Lathes with Metal Column Base — Underneath Motor Drive with built-in chip pan. Model A F.O.B. South Bend, Ind. **\$941**

### A COMPLETE FLOOR MODEL LATHE AT NEAR BENCH LATHE PRICES

Self-contained Motor Drive Floor Lathes



### 10-K

These lathes are equally equipped and have the same specifications (except for weight) as corresponding models of 10-K Bench Lathes. In addition, they have the chip pan and floor legs.

CL953Y. 10-K Self Contained Motor Drive Floor Lathe complete with Chip Pan and Floor Legs. F.O.B. South Bend, Indiana **\$536**

Also available in 9" models.

Bench and electrical equipment not included in price.



**BIG RESULTS . . . FROM**

*small size-low cost*

**SOUTH BEND LATHES**

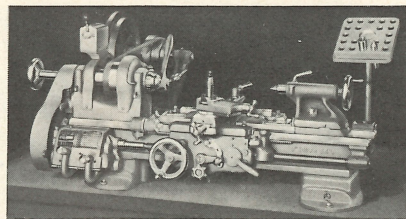
# 9-inch Precision Lathes

The quality that is built into South Bend 9-inch Precision Lathes enables them to produce with efficiency under all conditions. Regardless of the type of machining—between-centers, collet, fixture, or chucking—close tolerances can be maintained and a maximum volume of fine work produced with a minimum of effort. You can save valuable time and floor space by selecting South Bend 9" Precision Bench Lathes for your shop.

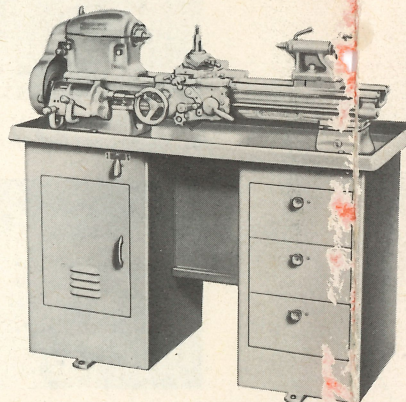
Model A Bench lathes have quick change box and patented worm drive apron with friction clutch. Except for independent change gears in place of quick change box, Model B Bench Lathes are the same as Model A. Model C also has independent change gears and is the same as Model B except for hand-operated cross feeds in place of worm drive and clutch in the apron.

**features**

- Headstock bearings are line bored and bearingized for precision fit.
- Spindle carburized, hardened and ground with bearing surfaces super-finished.
- Instant release of belt tension for speed change and belt adjustment.
- Tailstock has set over for taper turning.
- Carriage V-ways and dovetails hand-scraped.



**CL8644Y. 9" Toolroom Model Bench Lathe. F.O.B. South Bend, Ind. . . . \$736**



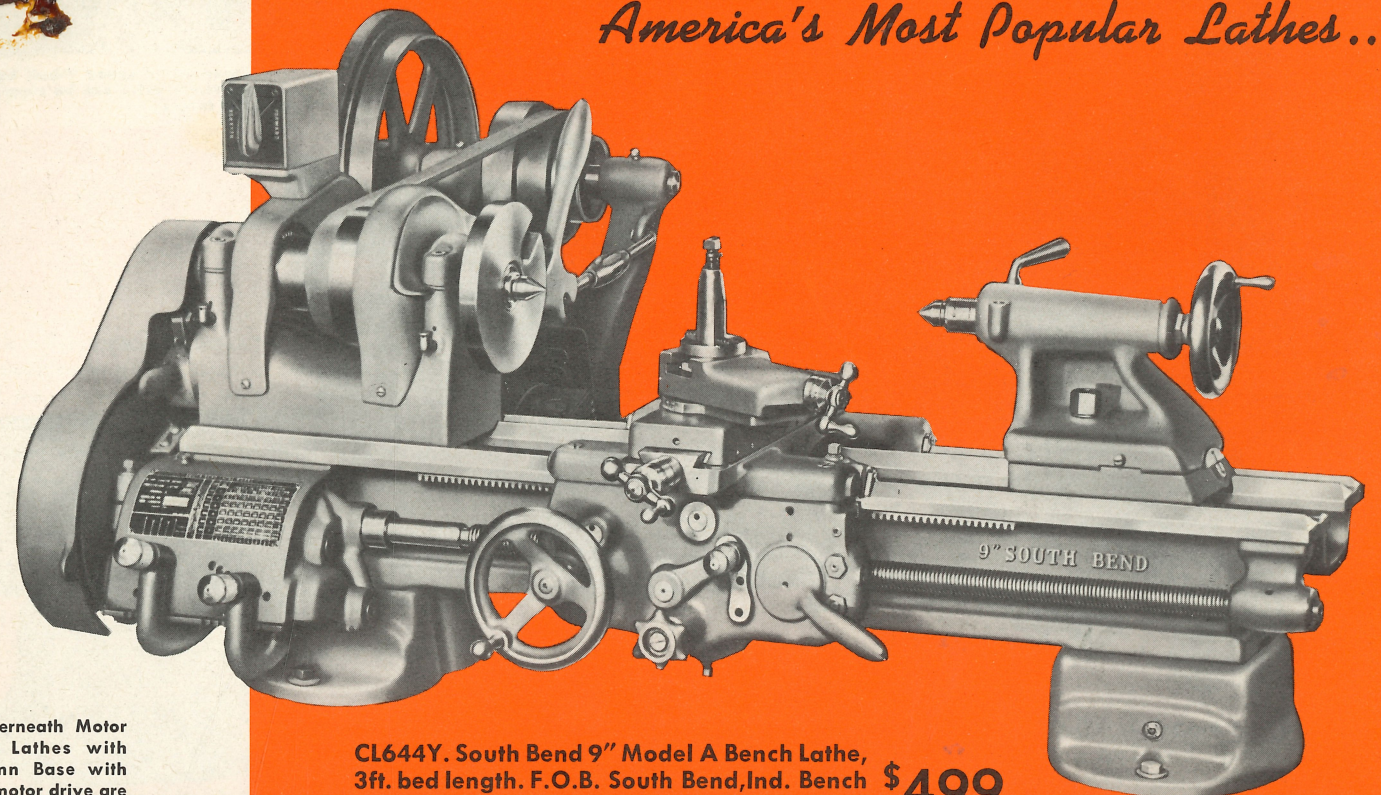
**CL344ZD. South Bend 9" Precision Lathe with Metal Column Base. F.O.B. South Bend, Indiana. . . . \$811**

**SPECIFICATIONS**

Swing . . . . .	over bed . . . . .	9 1/4" (234 mm)
A, B & C model Swing over cross slide . . . . .		5 1/2" (139 mm)
Toolroom model Swing over cross slide . . . . .		5" (127 mm)
Bed Lengths . . . . .	3', 3 1/2', 4' and 4 1/2'	
Toolroom model . . . . .	3', 3 1/2' and 4'	
Between Centers . . . . .		16" to 34"
Spindle Speeds (12) approx. not exact . . . . .		50 to 1270 r.p.m.
Power Feeds . . . . .	Toolroom	A B C
Longitudinal . . . . .	48 . . . . . 48 . . . . . 26 . . . . . 14	
Cross-Feeds . . . . .	48 . . . . . 48 . . . . . 23 . . . . . —	
Maximum Collet Capacity . . . . .		1/2" (12.7 mm)
Hole Through Spindle . . . . .		3/4" (19 mm)
Motor (recommended) . . . . .		1/2 h.p.

Metric threads are available when metric gear box and lead screw are specified in lieu of English equipment.

*America's Most Popular Lathes...*



**CL644Y. South Bend 9" Model A Bench Lathe, 3ft. bed length. F.O.B. South Bend, Ind. Bench and electrical equipment not included. . . . \$499**

Available with 16 speed V-BELT Horizontal Motor Drive.

## 10-K GAP BED up to 14 7/8" (377 mm) Swing . . . . .

The 10-K Gap Bed Bench Lathe is made with a 4 1/2' bed (1372 mm) in either 10-K Model A Horizontal Drive Bench Lathes or 10-K Model A Self-Contained Drive Lathes. These new Gap Bed Lathes have a 1" gap measured from the face plate when bed insert is in place. When 4" insert is removed, the 5" (127 mm) gap allows 14 7/8" swing capacity and can be supplied with either flat belt or V-belt cone pulleys for the headstock. All other specifications are the same except for shipping weights.

**SOUTH BEND 10-K GAP BED LATHES**

Model	Speed	Catalog No.	Price F.O.B. Factory
<b>10-K HORIZONTAL MOTOR DRIVE GAP BED LATHES</b>			
A	16-Speed V-Belt Drive	CL 770RG	\$725
A	12-Speed Flat Belt Drive	CL 670RG	\$707
<b>10-K SELF-CONTAINED DRIVE GAP BED LATHES</b>			
A	16-Speed V-Belt Drive	CL 270RG	\$864
A	12-Speed Flat Belt Drive	CL 970RG	\$847

Bench and electricals are not included

## GAP BED 9-inch 10K BENCH LATHES

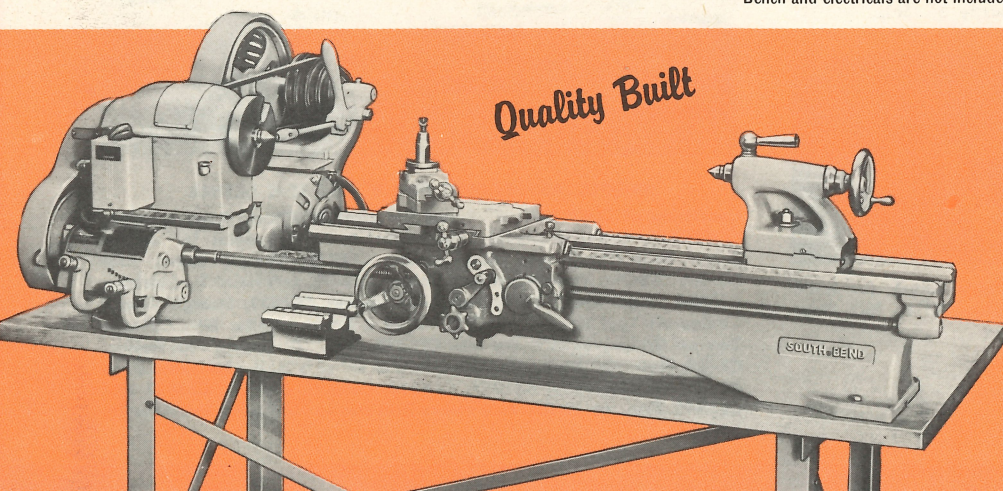
## . . . . . 14 1/8" (358 mm) Swing on 9" GAP BED

The 9-inch Gap Bed Bench Lathe is made with a 4 1/2' bed (1372 mm) in either 9" Model A Horizontal Drive Bench Lathes and in 9" Model A Self-Contained Drive Lathes. These new Gap Bed Lathes have a 1" gap measured from the face plate when bed insert is in place. When 4" insert is removed, the 5" (127 mm) gap allows 14 1/8" swing capacity and can be supplied with either flat belt or V-belt cone pulleys for the headstock. All other specifications are the same except for shipping weights.

**SOUTH BEND 9" GAP BED LATHES**

Model	Speed	Catalog No.	Price F.O.B. Factory
<b>9" HORIZONTAL MOTOR DRIVE GAP BED LATHES</b>			
A	16-Speed V-Belt Drive	CL 744RG	\$657
A	12-Speed Flat Belt Drive	CL 644RG	\$638
<b>9" SELF CONTAINED DRIVE GAP BED LATHES</b>			
A	16-Speed V-Belt Drive	CL 244RG	\$764
A	12-Speed Flat Belt Drive	CL 944RG	\$745

Bench and electricals are not included



**SPECIFICATIONS**

**10K Gap Bed Lathe**

Swing over bed . . . . .	10" (254 mm)
Swing over gap . . . . .	14 7/8" (377 mm)
Swing over cross slide . . . . .	6 1/4" (158 mm)
Between centers . . . . .	34" (863 mm)
Hole through spindle . . . . .	3/4" (19 mm)
Collet capacity . . . . .	1/2" (12.7 mm)
Spindle speeds—Flat belt drive . . . . .	12 to 1270 r.p.m.
Spindle speeds—V-belt drive . . . . .	16 to 1200 r.p.m.
Power Feeds . . . . .	A
Longitudinal . . . . .	48
Cross Feeds . . . . .	48
Motor (recommended size) . . . . .	1/2 h.p.

**SPECIFICATIONS**

**9" Gap Bed Lathe**

Swing over bed . . . . .	9 1/4" (234 mm)
Swing over gap . . . . .	14 1/8" (358 mm)
Swing over cross slide . . . . .	5 1/2" (139 mm)
Between centers . . . . .	34" (863 mm)
Hole through spindle . . . . .	3/4" (19 mm)
Collet capacity . . . . .	1/2" (12.7 mm)
Spindle speeds—Flat belt drive . . . . .	12 to 1270 r.p.m.
Spindle speeds—V-belt drive . . . . .	16 to 1200 r.p.m.
Power Feeds . . . . .	A
Longitudinal . . . . .	48
Cross Feeds . . . . .	48
Motor (recommended size) . . . . .	1/2 h.p.

