

Fig. 1. The Principal Units of the Lathe are shown in the above illustration.

## PARTS LIST 17-S

APPLYING TO ALL SIZES AND TYPES OF

### SOUTH BEND SERIES "S" LATHES

	PAGE		PAGE
Apron.....	5	Legs.....	9
Compound Rest.....	6	Metric Transposing Equipment.....	10
Countershaft.....	8	Motor Drives.....	10, 11
Gear Box.....	7	Saddle.....	6
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Tool Post.....	6		



**SOUTH BEND LATHES WORKS**

*Lathe Builders Since 1906*

630 Niles Avenue - - - South Bend, Indiana, U.S.A.

## How to Order Replacement Parts

### For Series "S" South Bend Lathes

Part numbers and names of parts for all sizes and types of Series "S" South Bend Lathes (excepting 9-inch "Workshop") are listed and illustrated in this bulletin. Prices for replacement parts will be quoted on request.

The best way to order replacement parts for your South Bend Lathe is to send the old part to the factory with the order. This will eliminate all possibility of error in filling your order and will assure prompt shipment of the part wanted.

If it is inconvenient to return the old part to the factory, be sure to give the following information:

- (1) Serial number of the lathe. (See Fig. 2.)
- (2) The correct name and number of the part wanted.
- (3) If the part wanted cannot be located in this parts list, send a sketch of the part, showing the principal dimensions.

When gears or threaded parts are wanted be sure to give the information required as outlined on pages 4 and 5.

All orders for replacement parts will be shipped parcel post or express C.O.D. unless remittance in full is enclosed with the order.

#### Specify Serial Number of Lathe When Ordering Parts

The serial number of your South Bend Lathe is stamped on the top of the lathe bed between the V-way and flat-way at the tailstock end, as shown in the illustration at right.

The serial number is an index to the size, type and model of your lathe and should always be specified when ordering replacement parts or attachments.



Fig. 2. Serial Number of Lathe.

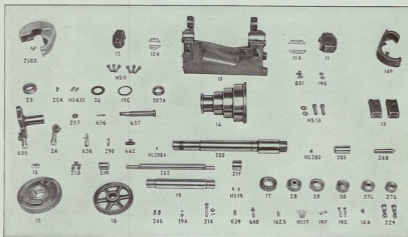


Fig. 3. Headstock Parts for Series "5" South Bend Lathes.

## Headstock Parts—Overhead Drive

Part No.	Name of Part	Part No.	Name of Part
10	Headstock Cap, Large	200	Headstock Spindle
11	Eccentric Cap, Large	202	Eccentric Shaft
11A	Headstock Shim, Large	205	Spindle Sleeve
12	Headstock Cap, Small	207A	Ball Thrust Bearing
12A	Headstock Shim, Small	213	Ball Gear Clamp Gib with Screws
13	Headstock Clamps	214	Ball Gear Clamp Plunger with Washer and Pin
14	Spindle Cone	219	Twin Gear Studs with Jam Nuts, Securing Shaft Jam Nut
14A	Spindle Cone Oil Plug Screw	246	Eccentric Shaft Bushing Set
15	Bull Gear	247	Screws
16	Bull Gear Clamp	260	Spindle Center
17	Cone Pinion	290	Oil Tube
18	Quill Gear	635	Reverse Bracket
19A	Quill Sleeve	636	Reverse Shaft
19C	Quill Sleeve Oil Washer and Screw	637	Reverse Shaft Key
19E	Capillary Oiler Felts with Springs	638	Reverse Shaft
19F	Spindle Protection Ring	639	Reverse Latch Lever with Pin
19G	Oil Return Clips	640	Reverse Latch Spring
20	Oil Cup Flanges	642	Reverse Plunger
21F	Quill Sleeve Pinion	861	Reverse Lock with Screws
21R	Eccentric Shaft Bushing—Front	HS11	Oilers
22	Eccentric Shaft Bushing—Rear	HS12	Headstock Cap Screws
23	Hard-Gear Lever with Pin	HS13	Headstock Clamp Screws with Washers
24	Spindle Take-up Nut	HS17	Cone Pinion Pins
25A	Spindle Take-up Nut Screw	HS19	Quill Pinion Keys
26	Take-up Nut Washer with Pin	HS200	Bull Gear Key
27L	Twin Gear—Large	HS200A	Spindle Reverse Gear Key
27S	Twin Gear—Small	HS635	Reverse Bracket Stop Pins
28	Reverse Gear		
30	Spindle Reverse Gear		
149	Bull Gear Guard		
162X	Bull Gear Clamp Spring		

Specify SERIAL NUMBER OF LATHE when ordering repair parts, tools or attachments for South Bend Lathes.

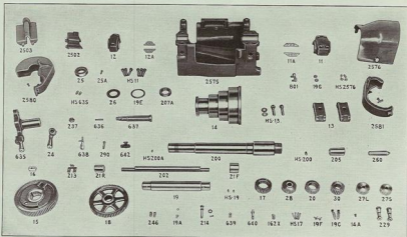


Fig. 4. Headstock Parts for Series "S" South Bend Lathes.

## Headstock Parts—Underneath Drive

Part No.	Name of Part	Part No.	Name of Part	Part No.	Name of Part
11	Headstock Cap, Large	26	Spindle Take-up Nut	638	Reverse Latch Lever with Pin
11A	Headstock Shim, Large	27L	Washer with Pin	639	Reverse Latch Spring
12	Headstock Shim, Small	27S	Twin Gear—Large	640	Reverse Plunger
12A	Headstock Shim, Small	28	Twin Gear—Small	642	Reverse Latch with Screws
13	Headstock Clamps	28	Reverse Gear	801	Oilers
14	Spindle Cone	30	Spindle Reverse Gear	2582	Belt Cover for Bed—Quick Change
14A	Spindle Cone Oil Plug Screws	182X	Back Gear Clamp Spring	2583	Belt Cover for Bed—Standard Change
15	Bull Gear	200	Eccentric Shaft	2575	Headstock
16	Bull Gear Clamp	200A	Spindle Sleeve	2576	Cone Cover with Knob
17	Cone Pinion	202	Ball Thrust Bearing	2580	Quill Gear Guard
18	Quill Gear	213	Bull Gear Clamp Gib with Screws	2581	Roll Gear Guard
18A	Quill Sleeve	214	Bull Gear Clamp Plunger with Washer and Pin	HS11	Headstock Cap Screws
18B	Quill Sleeve Oil Washer and Screw	220	Twin Gear Studs with Jam Nuts	HS13	Headstock Clamp Screws
18C	Capillary Oiler Felts with Springs	246	Reverse Shaft Jam Nut	HS17	Cone Pinion Pins
18E	Spindle Protection Ring	246	Eccentric Shaft Bushing	HS19	Quill Pinion Keys
18F	Oil Return Clips	250	Spindle Center	HS200	Bull Gear Key
18G	Oil Cap Flanges	290	Oil Tube	HS200A	Spindle Reverse Gear Key
19	Quill Sleeve Pinions	625	Reverse Bracket	HS225	Roller Bracket Stop Pins
21F	Eccentric Shaft Bushing—Front	636	Reverse Shaft Key	HS2576	Cone Cover Set Screws with Jam Nuts
21R	Eccentric Shaft Bushing—Rear	637	Reverse Shaft		
24	Back Gear Lever with Pin				
25	Spindle Take-up Nut				
25A	Spindle Take-up Nut Screw				

## How to Order Threaded Parts

When ordering threaded parts such as Cross Feed Nut, Lead Screw Half-Nut, or Cross Feed Screw, be sure to give complete specifications covering each threaded part wanted.

Specify the outside diameter of threads in inches; number of threads per inch; and whether thread is right-hand or left-hand Acme, U. S. Standard or Sharp "V" type.

### Information to be Given When Ordering Threaded Parts

Name and Number of Part  
Serial Number Lathes  
Quantity Wanted  
Outside Diameter of Threads in Inches  
Number of Threads per Inch

State Kind of Thread:

Acme Thread  
U. S. Standard Thread } Right- or Left-hand  
Sharp "V" Thread }

Specify SERIAL NUMBER OF LATHE when ordering repair parts, tools or attachments for South Bend Lathes.

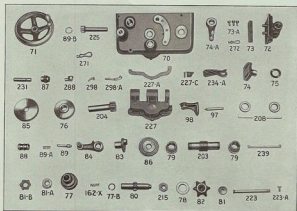


Fig. 5. Apron Parts for Series "S" South Bend Lathes.

## Apron Parts

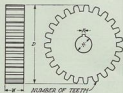
Part No.	Name of Part
70	Apron
71	Apron Hand Wheel with Part 271
72	Half-Nuts with Studs
73	Half-Nut Gibs
73A	Half-Nut Gib Screws
74	Half-Nut Cam
74A	Half-Nut Cam Lever with Part 272
75	Half-Nut Friction Washer
76	Rack Pinion Gear
77	Worm Gear
77B	Worm Gear Lock Ring
78	Oil Distributing Washer
79	Worm Bushings
80	Clutch Sleeve
81	Clutch Plate Nut
81A	Clutch Plates (Inner)

Part No.	Name of Part
81B	Clutch Plates (Outer)
82	Clutch Knob
83	Feed Gear Shift Eccentric
84	Feed Gear Shift Lever
85	Cross Feed Compound Gear
86	Apron Feed Idler Gear
87	Cross Feed Compound Pinion
88	Feed Gear Shift Knob
89	Feed Gear Shift Plunger
89A	Feed Gear Shift Spring
89B	Hand Wheel Pinion Thrust Spring
97	Feed Lock Plunger
98	Feed Lock Plunger Arm
142X	Clutch Screw Spring
203	Apron Feed Worm
204	Rack Pinion

Part No.	Name of Part
208	Worm Collars
216	Clutch Sleeve Hexagon Nut
223	Clutch Screw
223A	Clutch Knob Stop Screw
225	Hand Wheel Pinion
227	Oil Trough
227A	Oil Trough Gasket
227C	Oil Trough Screws
231	Cross Feed Compound Gear Shaft
231A	Oil Wick
239	Worm Key
271	Apron Hand Wheel Handle
272	Half-Nut Cam Lever Handle
288	Oil Reservoir Filler
289	Clutch Shaft Oiler
298A	Half-Nut Oiler

## How to Order Gears

When ordering replacement gears for your lathe, such as Spindle Reverse Gear, Cross Feed Gear or Rack Pinion, be sure to give all the information required as listed below. See drawing at left for diagram illustrating specifications required.



The illustration above shows two views of a gear blank with parts lettered for use when indicating specifications on your order.

### Information to be Given When Ordering Gears

Name and Number of Part  
Serial Number of Lathe  
Quantity Wanted  
Number of Teeth

Diameter "D" in Inches  
Width "W" in Inches  
Keyway "K" in Inches  
Hole "H" in Inches

Specify SERIAL NUMBER OF LATHE when ordering repair parts, tools or attachments for South Bend Lathes.

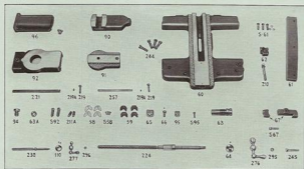


Fig. 4. Saddle and Compound Rest Parts for Series "S" Lathes.

## Saddle, and Compound Rest Parts

Part No.	Name of Part
58	Felt Retainers
59	Felts
60	Saddle
61	Saddle Gib
62	Saddle Link
63	Cross Feed Bushing
63A	Chip Retainer Collar
64	Cross Feed Graduated Collar with Set Screw and Shoe
65	Cross Feed Nut
66	Cross Feed Nut Screw with Oil Screw
67	Thread Cutting Stop
90	Compound Rest Top
91	Compound Rest Swivel
92	Compound Rest Base
94	Compound Rest Bushing

Part No.	Name of Part
95	Compound Rest Nut
96	Compound Rest Chip Guard and Screws
110	Compound Rest Graduated Collar with Set Screw and Shoe
210	Saddle Lock Screw
211A	Compound Rest Clamp Shoes
219	Gib Adjusting Screw for Compound Rest
219	Gib Adjusting Screw for Cross Slide
219A	Lock Screw for Compound Rest Gib Screw
219A	Lock Screw for Compound Feed Gib Screw
221	Compound Rest Base Tapered Gib

Part No.	Name of Part
224	Cross Feed Screw
230	Compound Rest Screw
244	Apron to Saddle Screws
245	Thread Cutting Stop Screw
247	Compound Rest Top Tapered Gib
256	Cross Feed Ball Crank, Handle and Pin
277	Compound Rest Ball Crank, Handle and Pin
295	Cross Feed Screw Nut
296	Compound Rest Screw Nut
358	Felt Retainer Screws
361	Saddle Gib Screws with Washers
367	Thread Cutting Stop Lock Screw
392	Swivel Lock Set Screws
395	Compound Rest Nut Screw



Fig. 7. Tool Post Parts for Series "S" South Bend Lathes.

## Tool Post Parts

Part No.	Name of Part
206	Tool Post Block
233	Tool Post Screw
230	Tool Post Ring, Wedge, and Screw
230A	Tool Post Ring
251	Tool Post Wedge
252	Tool Post Wrench
253	Tool Post Wrench

Specify SERIAL NUMBER OF LATHE when ordering repair parts, or attachments for South Bend Lathes.



Fig. 8. Quick Change Gear Box Parts for Series "S" South Bend Quick Change Gear Lathes.

### Quick Change Gear Box Parts Lead Screw—Rack

Part No.	Name of Part	Part No.	Name of Part	Part No.	Name of Part
5	Lead Screw Bracket (Toolstock End)	614	Cone Gear Shaft	626	Clutch
39	Lead Screw Thrust Collar and Pin	614A	Cone Gear Shaft Key	627	Clutch Shaft Gear
154	Index Plate	615	Gear Box Cone Gears—16 Teeth	628	Lead Screw Gear
273	Top Lever Handle	615	Gear Box Cone Gears—18 Teeth	629	Lead Screw
275	Rack and Screws	615	Gear Box Cone Gears—20 Teeth	630	Primary Gear Bracket
302-R	Gear Box Oilers	615	Gear Box Cone Gears—22 Teeth	631	Rushing Lock Screws
291	Gear Box Hub Oiler	615	Gear Box Cone Gears—23 Teeth	632	Rushing Adjusting Screw
600	Gear Box	615	Gear Box Cone Gears—24 Teeth	634	Tool Tray
601	Gear Box Bushing	615	Gear Box Cone Gears—26 Teeth	647	Primary Bracket Support
601A	Gear Box Bushing (18" Lathes only)	615	Gear Box Cone Gears—28 Teeth	649	Primary Knob Spring
602	Gear Box Tumbler	615	Gear Box Cone Gears—30 Teeth	650	Primary Gear Guard
603	Main Drive Pinion	616	Cone Gear Spacing Collars	651	Primary Pinion
603A	Hex. Nut for Main Drive Pinion	617	Top Lever	652	Primary Gear
604	Main Drive Pinion Collar	618	Top Lever Shoulder Screw	653	Primary Gear Stud
605	Tumbler Idler Gear	620A	Top Lever Shifting Pin	653A	Hex. Nut for Primary Gear Stud
606	Tumbler Gear Stud and Nut	620	Composited Gear Shaft	654	Primary Sliding Gear
607	Guide Bar	621	Composited Gear Shaft Key	655	Primary Sliding Pinion
608	Knob Plunger	621	Clutch Sliding Gear	656	Sliding Gear Stud
609	Plunger Knob	622	Clutch Sliding Gear Spring	658	Hex. Nut for Sliding Gear Stud
609	Plunger Spring Bushing	623	Clutch Pinion	657	Primary Drive Gear
611	Plunger Spring	624	Ball Bearing for Clutch Sliding Gear	659	Primary Knob Ball Bearing
612	Reverse Stud Gear	625	Clutch Gear	659	Hex. Nut for Cone Gear Shaft
613	Clutch Shaft Bushing			662	Instruction Plate

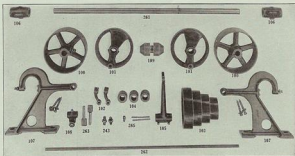


Fig. 9. Various Parts of Double Friction Countershaft.

## Countershaft Parts

Part No.	Name of Part	Part No.	Name of Part	Part No.	Name of Part
100	Countershaft Pulley	106	Countershaft Box	361	Countershaft Shaft
101	Countershaft Spider and Set Screws	107	Countershaft Hanger	362	Countershaft Shifter Rod
102	Countershaft Friction Finger	108	Countershaft Shifter Nut	363	Countershaft Expansion Wedge
103	Countershaft Cone	109	Countershaft Yoke Cone	364	Countershaft Shifter Nut Washer
104	Countershaft Collar	110	Countershaft Ball Point Set Screw with Lock Nut	365	Countershaft Oil Hole Springs
105	Countershaft Yoke Lever and Set Screws				

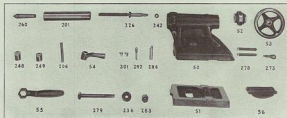


Fig. 10. Tailstock Parts for Series "S" South Bend Lathes.

## Tailstock Parts

Part No.	Name of Part	Part No.	Name of Part	Part No.	Name of Part
50	Tailstock Top	204	Tailstock Binding Lever Screw	272	Tailstock Hand Wheel Handle
51	Tailstock Base	228	Tailstock Screw	273	Tailstock Set-over Screws
52	Tailstock Nut	229	Tailstock Bolt Washer	274	Tailstock Clamp Bolt
53	Tailstock Hand Wheel with Part 272	242	Tailstock Screw Box Nut	282	Tailstock Clamping Nut
54	Tailstock Binding Lever	243	Tailstock Binding Lever Plug	286	Tailstock Spindle Key
55	Tailstock Wrench	249	Tailstock Bd. Lever Plug, Lower	292	Tailstock Oil Reservoir Quill
56	Tailstock Clamp	260	Tailstock Center	301	Oil Cups
201	Tailstock Spindle				





Fig. 11. Standard Change Gear Parts for Series "S" South Bend Standard Change Gear Lathes.

## Change Gears—Lead Screw—Rack

Part No.	Name of Part
4	Front Lead Screw Bracket
5	Rear Lead Screw Bracket
5B	Rabbitt for Lead Screw Bracket
31	Standard Change Gear Bracket
32	Change Gear (State No. of Teeth)
32N	Set of Standard Change Gears
33	Standard Change Idler Gear
35	Standard Change Gear Collar

Part No.	Name of Part
26-37	Compound Gears (2 to 4)
36A-37A	Comp'd Gears (1 to 2 or 1 to 2)
38	Compound Idler Gear Bushing
39	Lead Screw Thruout Collar and Pin
34B	Change Gear Guard with Part 274
34BB	Rabbitt for Gear Guard
347	Change Gear Guard Bracket
352	Index Plate

Part No.	Name of Part
141X	Compound Idler Bolt Washers
312	Change Gear Bracket Collar Screw
247	Compound Idler Gear Bolts & Nut
274	Change Gear Guard Handle
275	Rack
275A	Rack Screws
281	Change Gear Guard Hinge Pin
300	Lead Screw

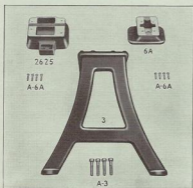


Fig. 12. Legs for Series "S" Lathes.

## Legs—Bench and Floor Types

Part No.	Name of Part
3	Regular Floor Leg
6A	Regular Bench Leg
2625	Underneath Drive Bench Leg with Outlet for Switch as shown
2625A	Underneath Drive Bench Leg without Outlet for Switch
A3	Leg to Bed Bolts (Long Legs)
46A	Leg to Bed Bolts (Bench Legs)

## Serial Number of Lathe

The serial number of your lathe is stamped on top of the lathe bed between the V-way and flat way at the tailstock end. This number is an index to the size, type, and model of your lathe and should always be specified when repair parts or attachments are ordered.

## Adjustable Horizontal Motor Drive Parts

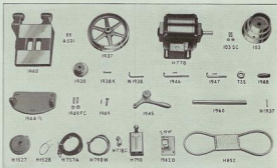


Fig. 13. Parts of Adjustable Horizontal Motor Drive for Lathes.

Part No.	Name of Part
100	Countershaft Case
103SC	Case Set Screws with Jam Nuts
735	Shaft Collar with Set Screw
1937	Two-Step Drive Pulley
1938	Two-Step Motor Pulley
1939K	Motor Pulley Key
1940	Drive Standard
1942D	Switch Adapter, and Screws
1944 1/2	Drive Standard Base
1945	Belt Release Lever
1946	Horizontal Belt Rod (R. H.)
1947	Horizontal Belt Rod (L. H.)
1948	Turnbuckle
1949	Pin with Cotter Pin for Belt Release Lever
1949FC	Pivot Screws with Jam Nuts
1960	Countershaft Shaft
A591	Oilers
H757A	Extension Cable and Plug
H778	Motor—Specify horsepower, phase, cycle, voltage, and D.C. or A.C.
H778C	Writing Connector
H790	Switch—Give Motor Specifications
H796W	Wiring—Motor to Switch
H852	"V" Belt—Motor to C'haft
H1127	Belt—Countershaft to Lathe
H1128	Belt Lacing
H1197	Taper Pin for 1937 Pulley
H1958	Motor Pulley Wrench

## Metric Transposing Equipment Quick Change Type

Part No.	Name of Part
32M	Change Gears (Specify Number of Teeth)
33	Index Gear
36-7	Compound Gear
38	Compound Gear and Idler Gear Bushings
147	Guard Bracket
154-3	Index Plate
145X	Machine Handle
212	Collar Screw
247	Compound Idler Gear Bolt
247A	Hexagon Nuts for Parts 247, and 480
247B	Compound Idler Washers for Parts 247, and 480
281	Guard Hinge Stud
281B	Rabbitt
281	Oilers
675	Quick Change Transposing Bracket
676	Metric Transposing Gear Box Gear
676A	Metric Transposing Gear Box Gear
676B	Metric Transposing Gear Box Gear Nut
680	Metric Transposing Idler Gear Bolt
681	Metric Transposing Idler Gear Bushing
901-3	Metric Transposing Gear Assembly

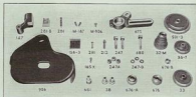


Fig. 14. Parts of Metric Transposing Quick Change Gear Equip't.

Part No.	Name of Part
906	Metric Transposing Gear Guard
M147	Guard Bracket Set Screws
M906	Guard Thumb Screw

## Metric Transposing Equipment Standard Change Type

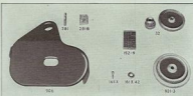


Fig. 15. Parts of Metric Transposing Std. Change Gear Equip't.

Part No.	Name of Part
32	Change Gears (Specify Number of Teeth)
152-9	Index Plate
141X42	Lead Screw Washer
145X	Guard Handle
281	Guard Hinge Stud
281B	Rabbitt for Guard
901-3	Metric Transposing Gear Assembly
906	Metric Transposing Gear Guard

### Underneath Belt Motor Drive Parts

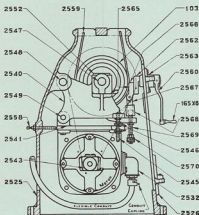


Fig. 16. End View Drawing Showing Position of Parts of Underneath Belt Motor Drive Unit in Assembly.

Part No.	Name of Part
103	Countershaft Cone
163N	Crank Machine Handle
615A	Oil Cup
739	Switch (Give size lathes and motor specifications)
778	Motor (Specify horsepower, phase, cycle, voltage, and D.C. or A.C.)
2525	Motor Drive Cabinet Leg
2526	Cabinet Leg Front Door
2527	Cabinet Leg Side Door
2530	Motor Chip Guard
2532	Motor Castbit Box
2540	Countershaft Cradle
2541	Motor Plate
2542	Countershaft "V" Pulley
2543	Motor "V" Pulley
2544	"V" Belt
2545	"V" Belt Adjusting Stud
2546	Adjusting Stud Washer
2547	C. S. Cone Shaft
2548	Cone Cradle Shaft
2549	Motor Plate Shaft
2549	Cone Shaft Collar
2552	Oil Ring Hole Cover
2557	Crank Stop Screw and Lock Nut
2558	Motor Plate Stop Screw & Lock Nut
2559	Cone Bolt
2560	Tightener Crank with Part 163N
2562	Tightener Crankshaft
2563	Crankshaft Bushing
2565	Crankshaft Pin
2566	Crankshaft Crank
2567	Ball Socket
2568	Connecting Sleeve
2569	Adjusting Screw and Lock Nut
2570	Adjusting Nut

### Pedestal Motor Drive Parts

Part No.	Name of Part
103	Countershaft Cone
103DC	Cone Set Screws with Jam Nuts
704	Oilers
735	Shaft Collar with Set Screws
1838	C. S. Pulley with Taper Pin
1860F	Pedestal Standard
1860FA	Writing Connection Box Cover with Screws
1860FB	Coastal Clamp with Screw
1861	Countershaft Shaft
1842E	Switch Arm with Screws
1843F	Belt Release Rod Bracket with Set Screws
1864F	Pedestal Base
1845F	Belt Release Lever
1845FA	Belt Release Lever Bracket
1846F	Belt Rod, R. H.
1847F	Belt Rod, L. H.
1965	Turnbuckles
1966F	Belt Release Lever Pins
1860FA	Belt Release Lever Bracket, Shaft First Standard
1860FC	Belt Guard with Screws
1860F	Motor Pulley
2543K	Extension Cable and Plug
P151A	Motor—Specify horsepower, phase, cycle, voltage, and D.C. or A.C.
P778C	Writing Connector
P787K	Flexible Tubing

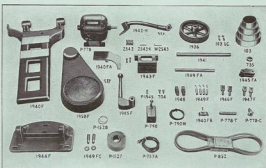


Fig. 22. Pedestal Motor Drive Parts for Lathes.

Part No.	Name of Part	Part No.	Name of Part
P790	Switch—Give Motor Specifications	P152T	Belt—Countershaft to Lathes
P790W	Writing—Motor to Switch	P152H	Belt Lacing
P832	"V" Belt—Motor to C' shaft	P1945	Release Lever Pins
		W2543	Motor Pulley Wrench

## South Bend Lathes

Described in General Catalog No. 100-A

South Bend Lathes are made in five sizes: 16" swing, 14 $\frac{1}{2}$ " swing, 13" swing, 10" swing, and 9" swing. Each size is made in several bed lengths and in several types of drives. Lathe attachments and accessories for all classes of work can be supplied for all sizes of South Bend Lathes.

All sizes and types of South Bend Lathes are fully illustrated and described in our new General Catalog No. 100-A illustrated at the right, size 8 $\frac{1}{2}$ " x 11", 104 pages. Chucks, tools, and attachments for all sizes of lathes are also illustrated and described. A copy of this catalog will be mailed on request to any address postpaid, no charge.

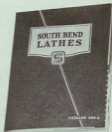


Fig. 18. Catalog 100-A.

## "How to Run a Lathe"

English Edition No. 39

Revised Edition No. 39 of the book "How to Run a Lathe" contains 128 pages, size 5 $\frac{1}{2}$ " x 8", and more than 360 illustrations. All kinds of lathe operations are clearly explained and illustrated.

Detailed information is given on the care and operation of a back-gear screw cutting lathe, grinding lathe tool cutter bits, taking accurate measurements, thread cutting, and other special classes of lathe work. Valuable reference tables, and rules are also included in this book.

A copy of "How to Run a Lathe," English Edition No. 39, with paper binding, will be mailed anywhere in the world, postpaid, for 25c. Stamps or money order of any country accepted.



Fig. 19.

## "Manual del Tornero"—Edición No. 36 en Español

La edición No. 36 del libro "Manual del Tornero", impreso en español da información muy detallada sobre el cuidado y operación de un torno con engranajes reductores para cortar roscas. También se incluyen valiosas reglas y tablas de referencia. Contiene 128 páginas de un tamaño de 13 cm. por 20 cm. y más de 360 ilustraciones. Por 25 centavos de su país, en estampillas, se envía este manual libre de porte a cualquier dirección.

## "Manual do Torneiro"—Edição em Portuguez No. 38

Edição em Portuguez No. 38 do livro "Manual do Torneiro", typographado em Portuguez, da informação detalhada sobre o cuidado e manejo de um torno, com engrenagem de retrogressão, que corta roscas. Tabellas de referencia e regras de valor também são incluídos. Contem 128 paginas, tamanho 13 cms. por 20 cms. e mais de 360 ilustrações. Sera enviado a qualquer endereço porte pago, por 35000 ou 3 escudos em sellos do seu país.

## "Manuel pour l'Usage du Tour"—Edition No. 37 en Français

L'édition No. 37 du livre "Manuel pour l'Usage du Tour", imprimée en français, consiste de 128 pages, 13 cm. x 20 cm. de dimension, et plus de 360 gravures. Ce livre contient des renseignements détaillés concernant l'entretien et le fonctionnement du tour parallèle de précision. Des tableaux de référence très utiles, des instructions de service y sont également compris. Ce livre sera envoyé port-payé à toute adresse pour la valeur de 25 cents américains ou pour 3 francs en timbres-poste de votre pays.



Fig. 20.

## SOUTH BEND LATHE WORKS

630 Niles Avenue - - South Bend, Indiana, U. S. A.