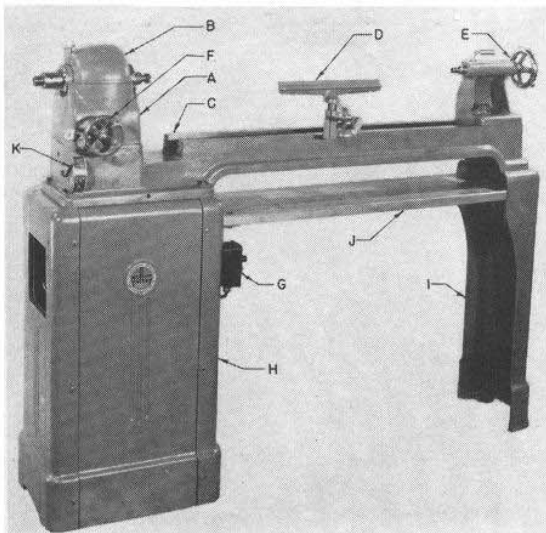


INSTRUCTION SHEET NO. L52 FOR
L951-L952-L1152 LATHES
 NOMENCLATURE



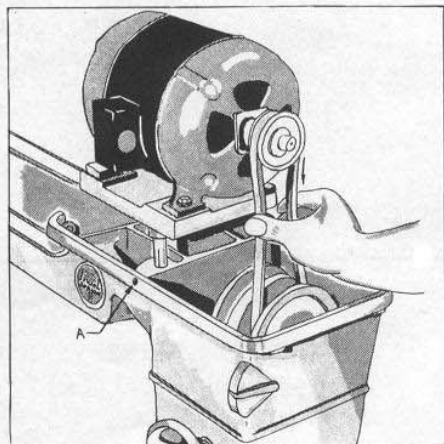
- A—Headstock
- B—Headstock Cover
- C—Bed
- D—Tool Rest
- E—Tailstock
- F—Variable Speed Control
- G—Motor Switch
- H—Base
- I—Leg
- J—Shelf
- K—Speed Indicator

L-952-L951—SETTING UP—When assembling the L-952 lathe to the 9LB16 Bench, first remove the motor plate from the lathe and attach motor to it. Check motor rotation before attaching it to motor plate.

Bolt the lathe to bench, and replace motor plate and motor. Place motor pulley on shaft and align it with belt in position. Tighten pulley, motor and motor plate, and the bolts holding the lathe on the bench.

Belt can be tightened by supporting the weight of the motor. **Be sure to tighten** the motor plate after belt has been properly tensioned.

The L951 Lathe is made to accommodate No. 5L51 and 9L50 motor brackets shown on back page. These brackets can not be used on the L952 without changing head stock belt.



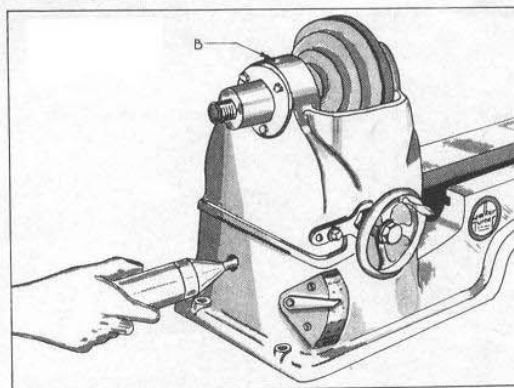
MOTOR INSTALLATION (L-1152 only)—By placing the lathe upside down on a bench as shown in the illustration above, the attaching of the motor can be greatly simplified. Insert the studs of the motor base in the holes provided in the lathe bed and tighten them temporarily by means of the hollow head screws indicated at (A). Check the rotation of the motor and place it on the base in the position that will rotate the headstock spindle (as indicated by arrow) toward the operator. Using the bolts supplied, bolt the motor down being sure to leave it loose enough for subsequent alignment. Attach the desired size pulley (SEE PARAGRAPH ON VARIABLE SPEED PULLEY) to the motor shaft, place belt over motor and variable speed pulleys.

Align belt with the speed indicator set at 850 R.P.M. Alignment can be accomplished by adjusting the motor on the base or by changing the position of the motor pulley on the shaft. **DO NOT ATTEMPT TO MAKE ADJUSTMENTS ON THE VARIABLE SPEED PULLEY.** The belt over the headstock pulley must **ALWAYS** be used on the largest step. **Correct tension can not be obtained if the belt is used on any step other than the largest.** When alignment is made tighten motor bolts and pulley.

Correct belt tension is very important in the operation of the variable speed drive. Excess tension will cause belt wear, heat and noise. Tension can be changed by moving the motor base up or down as required.

The variable speed pulley gives approximately a 1 to 10 ratio of speed change, thus, using a 2½" pulley on a 1750 R.P.M. Motor a speed range from 260 to 2000 R.P.M. is obtained, a 4" pulley on the same motor will produce 465 to 3750 R.P.M. A 3450 R.P.M. motor can be used with a 2½" motor pulley, this combination doubles the speed, that is, a range from 500 to 4000 R.P.M. is possible. **DO NOT USE A MOTOR PULLEY THAT WILL DEVELOP A HEADSTOCK SPINDLE SPEED IN EXCESS OF 4500 R.P.M.** A two speed motor 1740-3450 R.P.M. (No. LPAEB5) is available for operation on three phase current only.

LUBRICATION—It is imperative that the variable speed pulley be kept well lubricated at all times. The grease gun supplied with the lathe is used in the manner illustrated. Turning the handwheel will bring the grease fitting into position behind the hole permitting insertion of the grease gun. Lubricate the pulley once a week when the lathe is in continuous operation. The headstock spindle bearings should be lubricated once every month with heavy lubricating oil, this can be accomplished by removing the set screw in the

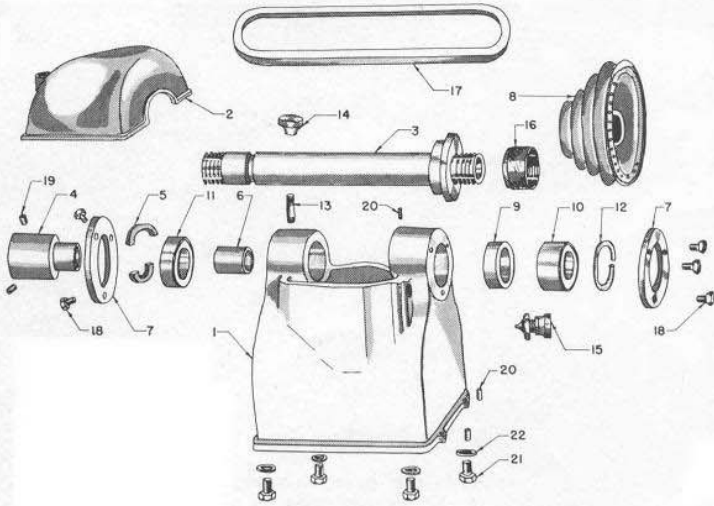


front bearing and the guard stud (B) in the rear bearing. A few drops of oil on the tailstock quill, and screw will keep them operating freely. If the bed ways are kept covered with a film of oil, the tool rest and tailstock will slide over them without difficulty, and rusting will be eliminated.

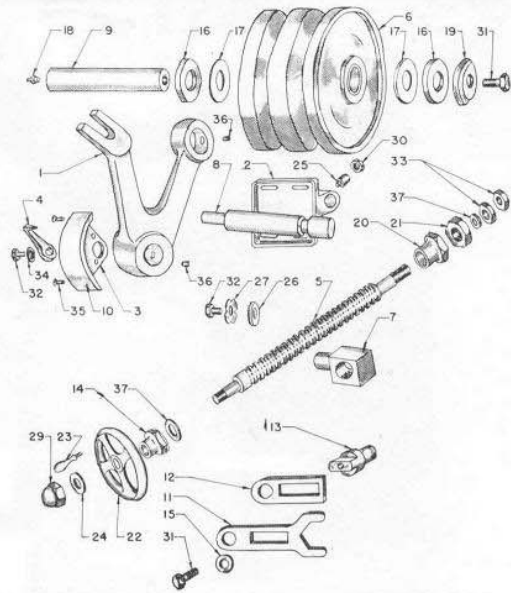
Walker-Turner
 PLAINFIELD

Company, Inc.
 New Jersey, U.S.A.

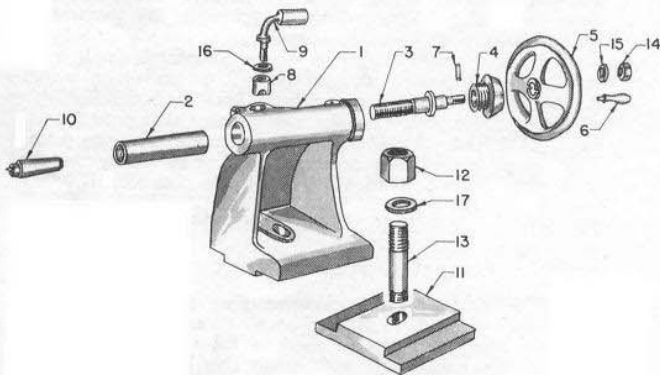
L951-L952-L1152 LATHES



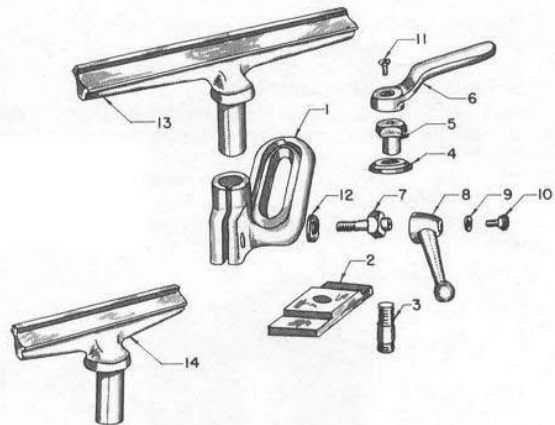
HEADSTOCK



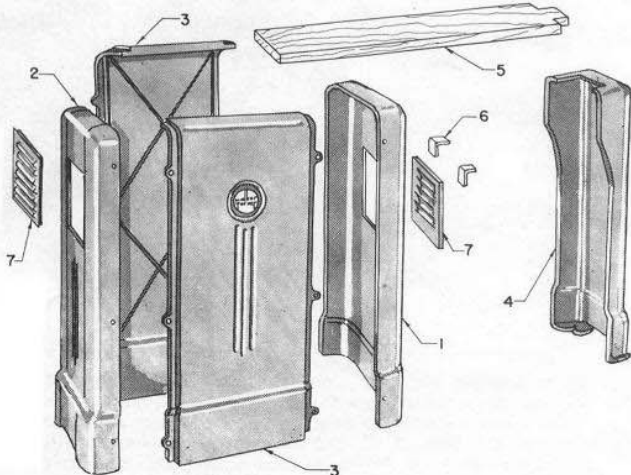
VARIABLE SPEED DRIVE



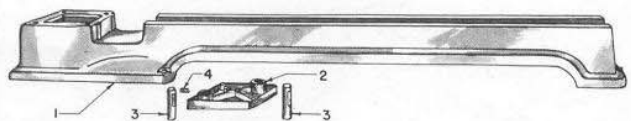
TAILSTOCK



TOOL REST



BENCH



BED

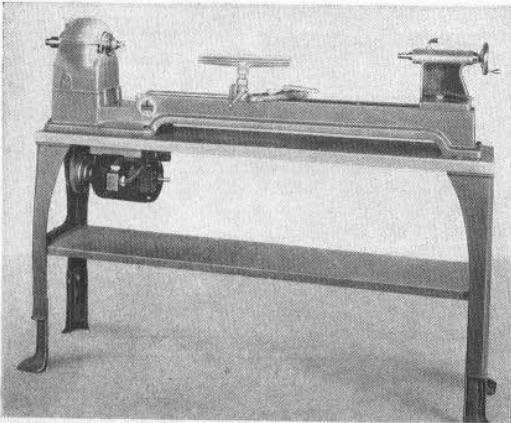
PARTS LISTING

L951-L952-L1152 LATHES

Key No.	Part No.	Description	Price	Key No.	Part No.	Description	Price	
	9L2	HEADSTOCK COMPLETE (L952)	\$20.00	1	9L1D	LATHE BED (L952 Only)	22.00	
1	9L2D	Headstock Casting	5.00	1	11L1	LATHE BED (L1152 Only)	22.00	
2	9L4D	Headstock Cover	1.00		Comm.	3/8" x 3/4" Allen Screw (Dog Point—2 used)		
3	9L10G	Spindle	4.75	11L20X	MOTOR BRACKET (L952-1152)		2.00	
4	9L10H	Stop Collar	1.00	11L20	Motor Bracket only		1.85	
5	9L10L	Split Ring	.25	11L24	Motor Bracket Studs (2 used)	ea.	.25	
6	9L10I	Bearing Spacer	.35	4	Comm.	5/16"-18 x 5/16" Allen Screw (2 used)	ea.	.05
7	9L10B	Bearing Flange (2 used)	ea.	1130X	VARIABLE SPEED PULLEY UNIT			
8	9L10M	Headstock Pulley	1.75	11L30X	(L1152 Only)		\$19.50	
9	11L40	Bearing Stop Collar	.35	1	11L6	Variable Drive Arm Bracket	.75	
10	9L10F	Double Row Ball Bearing	2.75	2	11L7	Variable Drive Bracket	.50	
11	9L10J	Single Row Ball Bearing	2.25	3	11L26	Speed Indicator Bracket	.35	
12	9L10E	Front Bearing Spacer	.20	4	11L27	Speed Indicator	.60	
13	5BN28C	Stud	.10	5	11L28	Variable Speed Adj. Screw	.75	
14	9MG57	Hand Knob	.20	6	11L30	Variable Speed Pulley	13.50	
15	9L10C	Index Finger Assembly	1.00	7	11L31	Adj. Screw Nut	.25	
16	9L10K	Knurled Collar	.50	8	11L32	Arm Bracket Pin	.35	
17	VB44	"V" Belt	.75	9	11L33	Pulley Shaft	.50	
18	Comm.	1/4"-20 x 1/2" Hex Bolt (6 used)	.05	10	11L45	Speed Indicator Plate	.35	
19	"	5/16"-18 x 5/16" Allen Screw (4 used)	.10	11	11L48	Variable Speed Lock	.25	
20	"	3/16" x 3/4" Pin (3 used)	.05	12	11L49	Lock Bracket	.25	
21	"	3/8"-24 x 1/2" Hex Bolt (4 used)	.05	13	11L50	Lock Bracket Stud	.15	
22	"	3/8" I.D. Flat Washer (4 used)	.05	14	11L51	Screw Lock Nut	.10	
	11L2	HEADSTOCK ONLY (L1152)	\$20.00	15	11L52	Machined Washer	.10	
1	11L2A	Headstock Casting	5.00	16	11L54	Spacer (2 used)	ea.	.10
2	11L4	Headstock Cover	1.00	17	11L54A	Fiber Washer (2 used)	ea.	.10
3	9L10G	Spindle	4.75	18	No. 1	Lubricant Fitting	.10	
4	9L10H	Stop Collar	1.00	19	GR10	Machined Washer	.10	
5	9L10L	Split Ring	.25	20	11L51N	Stop Nut	.10	
6	9L10I	Bearing Spacer	.35	21	11TA74	Lock Nut	.10	
7	9L10B	Bearing Flange (2 used)	ea.	22	9S17	Hand Wheel	.75	
8	9L10M	Headstock Pulley	1.75	23	MJ69	Handle	.25	
9	11L40	Bearing Stop Collar	.35	24	9TA14A	Key Washer	.05	
10	9L10F	Double Row Ball Bearing	2.75	25	51B	Dog Point Screw	.15	
11	9L10J	Single Row Ball Bearing	2.25	26	11L65A	Washer	.10	
12	9L10E	Front Bearing Spacer	.20	27	11L65	Spring Washer	.10	
13	5BN28C	Stud	.10	28	3270*	"V" Belt	.75	
14	9MG57	Hand Knob	.20	29	Comm.	1/2"-24 Crown Nut	.05	
15	9L10C	Index Finger Assembly	1.00	30	"	5/16"-18 Hex Nut (5 used)	ea.	.05
16	9L10K	Knurled Collar	.50	31	"	5/16"-24 x 1/2" Hex Bolt (2 used)	ea.	.05
17	3310	"V" Belt	.75	32	"	1/4"-20 x 1/2" Hex Bolt (2 used)	ea.	.05
18	Comm.	1/4"-20 x 1/2" Hex Bolt (6 used)	.05	33	"	7/16"-24 Hex Jam Nut (2 used)	ea.	.05
19	"	5/16"-18 x 5/16" Allen Screw (4 used)	.10	34	"	1/4" I.D. Flat Washer	.05	
20	"	3/16" x 3/4" Pin (3 used)	.05	35	"	10-32 x 1/2" Flat Hd. Screw (2 used)	ea.	.05
21	"	3/8"-24 x 1/2" Hex Bolt (4 used)	.05	36	"	5/16"-18 x 5/16" Allen Screw (2 used)	ea.	.05
22	"	3/8" I.D. Flat Washer (4 used)	.05	37	"	2 1/32" I.D. Bakelite Washer	.05	
	11L3	TAILSTOCK COMPLETE (L952-L1152)	\$12.00	*	"	5/16" 18 x 1 Oval Head Screw (4 used)	ea.	.05
1	11L3A	Tailstock Casting	5.00	*	"	5/16" I.D. Flat Washer (4 used)	ea.	.05
2	11L13	Tailstock Spindle	2.50	11L10	BENCH (L1152 Only)		\$30.00	
3	11L14	Tailstock Screw	1.00	1	11L10-1	Inner Base Leg	7.50	
4	9L11G	Screw Bearing	.75	2	11L10-2	Outer Base Leg	7.50	
5	11L21	Hand Wheel	.75	3	11L10-3	Side Partition (2 used)	ea.	7.50
6	11L21A	Hand Wheel Handle	.25	4	11L10-B	Leg	7.50	
7	11L21B	5/32" Handwheel Pin	.15	5	11L46	Shelf	3.50	
8	11L22	Spindle Lock Plug	.15	6	11L47	Shelf Bracket (2 used)	ea.	.75
9	9L11D	Lock Screw	.50	7	11L10-V	Vent Cover	.45	
10	9L26	Cup Center	1.05	*	Comm.	5/16"-18 x 1 3/4" Carriage Bolt (2 used)	ea.	.05
11	11L16	Clamp	.75	"	"	5/16"-18 x 1 1/2" Carriage Bolt (2 used)	ea.	.05
12	11L16A	Clamp Nut	.10	"	"	5/16"-18 x 1 1/4" Oval Hd. Screw (12 used)	ea.	.05
13	11L15	Clamp Stud	.15	"	"	(12 used)	ea.	.05
14	Comm.	3/4"-16 Hex Nut	.05	"	"	5/16"-24 x 1/2" Hex Bolt (2 used)	ea.	.05
15	"	3/4" I.D. Flat Washer	.05	"	"	5/16"-18 Hex Nut (18 used)	ea.	.05
16	"	5/16" I.D. Flat Washer	.05	"	"	5/16" I.D. Flat Washer (28 used)	ea.	.05
17	"	1/2" I.D. Flat Washer	.05	"	"	5/16"-18 Square Nut (4 used)	ea.	.05
	11L5	TOOL REST BRACKET (L952-L1152)	3.50	"	"	5/16"-18 x 2 1/4" Hex Bolt (6 used)	ea.	.05
1	11L5A	Tool Rest Bracket	2.00	*	6575	Grease Gun	.50	
2	11L16	Clamp	.75	*	5L14	Wrenches for Tailstock	.30	
3	11L34	Stud	.10					
4	11L34A	Machined Washer	.05					
5	11L35	Locking Screw	.25					
6	11L8	Box Wrench	.35					
7	9P97	Lock Stud	.10					
8	9P30S	Lock Handle	.25					
9	Comm.	1/4" Flat Washer	.05					
10	"	1/4"-20 x 1/2" Hex Bolt	.05					
11	"	1/4"-20 x 3/8" Flat Head Screw	.05					
12	"	1/2" I.D. Flat Washer	.05					
13	9L86	12" Tool Rest	2.00					
14	9L87	6" Tool Rest	1.25					

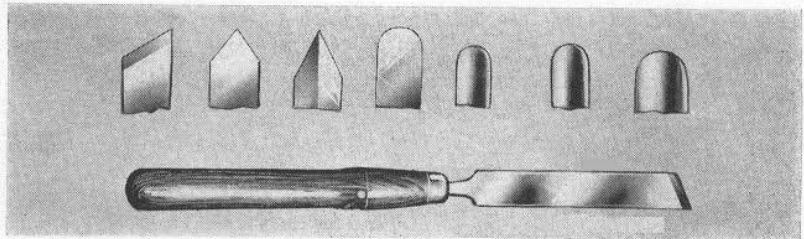
* Not Illustrated.

WALKER-TURNER LATHE ACCESSORIES



STURDY LATHE BENCH—This bench was developed especially for the Series "900" and "1100" lathes. The height can be varied several inches by means of the adjustable legs. Necessary bolts supplied. The legs are heavy cast-iron. Bench is 57" long and 11½" wide. Shipping weight of complete bench 79 lbs.

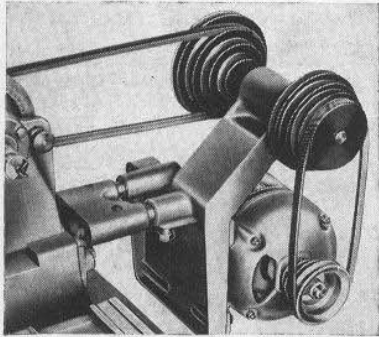
- 9LB16—Lathe bench complete.....
- BL1—Bench legs only (for bench shown at left).....



WOOD TURNING TOOLS

These turning tools are full size, with blades of selected steel that hold their edges, and hardwood handles that have a natural, perfect grip. The wide selection of types covers all normal turning requirements.

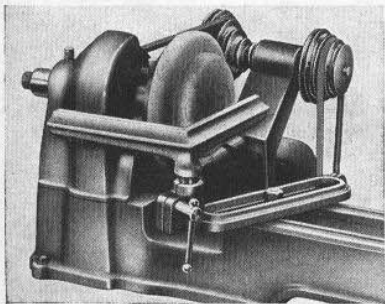
- L8A—SET OF EIGHT WOOD TURNING TOOLS (as above).....



16 SPEED BRACKET

This 16 speed motor bracket attaches directly to the lathe bed. It includes all necessary belts and pulleys. Speeds 240, 360, 440, 510, 660, 710, 760, 930, 1150, 1300, 1400, 1670, 2040, 2260, 2950, and 4000 R.P.M. with 1740 R.P.M. motor.

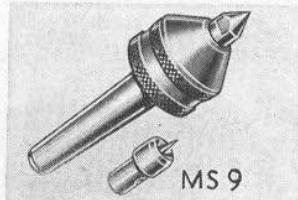
- 9L50—16 speed Motor Bracket..



RIGHT-ANGLE TOOL REST

Developed to increase accuracy and convenience of face plate turning. Fits standard bed bracket.

- 9L88—Right angle tool rest for L952 and L1152.....

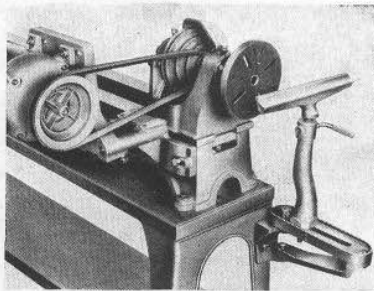


MS 9

BALL BEARING CENTER

A necessity when a great deal of wood turning is to be done, or if metal spinning operations are to be performed. Eliminates heat and friction and prevents work from scorching. Fits both 900 and 1100 Series Lathes taking the place of the regular tail center. 60° and cup centers.

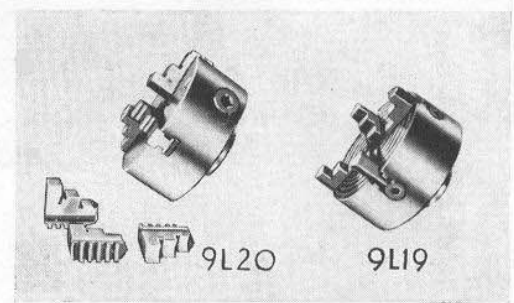
- MS9—BALL BEARING TAIL CENTER



TOOL REST BRACKET

9L54 outside tool rest bracket used when large face plate work is turned on left end of spindle.

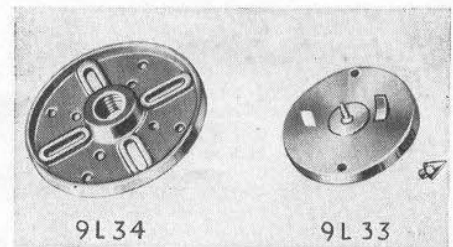
- 9L54—Outside tool rest bracket including 12" tee.....
- 5L51—Direct drive motor bracket



4" LATHE CHUCKS

9L20—4" Universal 3-Jaw Chuck, for holding round and hexagonal work pieces. Fits both 900 and 1100 Series Lathes.....

9L19—4" Independent 4-Jaw Chuck, for holding irregular shaped work pieces. Fits both 900 and 1100 Series Lathes.....



9L34

9L33

FACE PLATES

9L33—3" Face Plate with spurs for driving small diameter work (as illustrated).....

9L34—6¼" Face Plate (as illustrated) left hand threads.....

9L35—6¼" Face Plate, right hand threads...

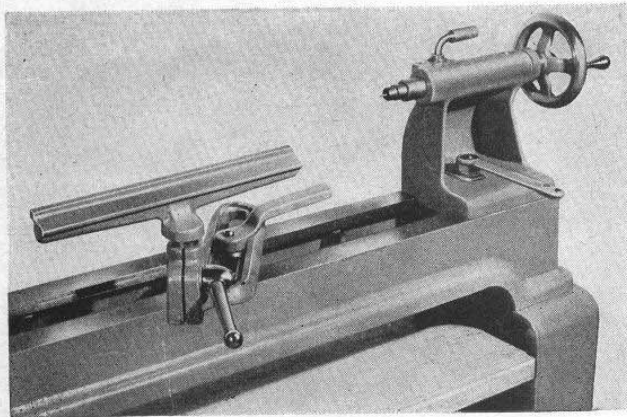
For Complete Lathe Accessory Information See General Catalog

VARIABLE SPINDLE SPEEDS



This rugged, safe, extra capacity lathe is built with a variable speed drive as an integral part of the head-stock. This drive provides any speed from 260 R.P.M. to 4200 R.P.M., depending upon motor and motor pulley used.

Spindle speeds are controlled by a hand wheel (as illustrated) and are indicated on a scale. A feature of special importance is that the spindle speed may be set and the control locked in position. Speed cannot be changed without unlocking the control.



TAILSTOCK

Bed ways are machined on top, sides and bottom (left) for accuracy and ease of operation. The tailstock center is automatically ejected. Several types of centers including ball bearings are available. A new, smooth acting tool rest with permanently mounted clamping wrench is provided.

SPECIFICATIONS

OVERALL DIMENSIONS: Height: 47"; Width: 11 1/2"; Length: 58".

SWING: Over gap 15 1/2"; over bed 12".

DISTANCE: Between centers 38"; bed to floor 36".

No. 2 MORSE TAPER CENTERS.

HEAD STOCK SPINDLE: 1" O. D. 5/8" hole through its length threaded R. & L. H. 12 threads to the inch.

S. K. F. BALL BEARINGS: Preloaded; Double Row at Spindle Nose.

INDEXING PLUNGER: Positive Type on pulley.

2 MACHINED WAYS on bed 1 3/8" wide.

WIDTH OF BED: Across ways 5".

HEAD-STOCK, TAIL-STOCK, BED AND TOOL REST: Machined gray iron castings.

MOTOR DATA

For average turning, Model KAB3 (1/2 H.P.—1740 R.P.M.) motor is recommended. If, however, a large amount of face plate work or metal spinning is to be done Model LKAB5S (1/2 H.P.—1740 R.P.M.) motor should be used. **SPECIAL NOTE:** Where a 3 phase current is available,

a 2-speed motor Model LPAEB5 1/2 H.P., 1750/3500 R.P.M., 60 cycle, can be used. This motor greatly increases the speed range of the 1100 Series lathe, providing any speed from 260 R.P.M. to 4500 R.P.M.

WALKER-TURNER

VARIABLE SPEED LATHE



JAMES MACHINERY CO.
MACHINERY & MILL SUPPLIES
102 E. JEFFERSON ST.
Phone 2-8115 SPRINGFIELD, ILL.
SWING OVER BED 12"

OVER GAP 15"

**DISTANCE BETWEEN
CENTERS 38"**

L1152—VARIABLE SPEED LATHE including variable speed drive, base 12" and 6" tool rests and 2" motor pulley, without motor.

\$99.50

MOTORS

LKAB55—Motor (½ H.P., 1740 R.P.M., 110/220 V., 60 cycle, AC single shaft for L1152 Lathe) only. **\$26.50**

LPAEB5—Motor (For L1152 Lathe only) ½ H.P., 1750 and 3500 R.P.M., 60 cycle, 220 volt, three-phase. **\$45.50**

Headstocks have two sets of pre-loaded precision ball bearings with deep groove races (double row at right end of spindle, single row at left).

Ample overload capacity for both thrust and radial loads is provided.

Headstock spindle, which is hollow, is one inch in diameter between bearings. Spindle threaded for out-board mounting of face plate.

All head and tail stock centers have No. 2 Morse Tapers.

Gap bed construction provides 3½" of extra capacity without sacrifice of sturdiness or convenience.

Cast-iron base encloses motor, protecting it from chips and dust produced by operation of the lathe.

Adjustable tool rest bracket of new design provides smooth, quick action. Permanently mounted clamping wrench assures quick changes and positive locking.

WALKER-TURNER MACHINE TOOLS ARE SOLD ONLY THROUGH AUTHORIZED DISTRIBUTORS