

OPERATING INSTRUCTIONS AND PARTS LIST FOR **CRAFTSMAN BENCH SAW**

9 INCH

Model Number 103.20003

The model number of your Bench Saw will be found on a plate on the rear of the Base. Always mention this model number when communicating with us regarding your Bench Saw or when ordering parts.

HOW TO ORDER REPAIR PARTS

All parts listed herein may be ordered through SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED. When ordering parts by mail from the mail order house which serves the territory in which you live, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

- | | | |
|---------------------|----------------------|-----------|
| 1. The PART NUMBER. | 3. The MODEL NUMBER. | 103.20003 |
| 2. The PART NAME. | 4. The NAME of item. | BENCH SAW |

COAST TO COAST NATION-WIDE SERVICE FROM SEARS FOR YOUR CRAFTSMAN POWER TOOLS



SEARS, ROEBUCK AND CO. and SIMPSONS-SEARS LIMITED in Canada back up your investment with quick, expert mechanical service and genuine CRAFTSMAN replacement parts.

If and when you need repairs or service, call on us to protect your investment in this fine piece of equipment.

**SEARS, ROEBUCK AND CO. — U.S.A.
IN CANADA, SIMPSONS-SEARS LIMITED**

OPERATING INSTRUCTIONS AND PARTS LIST FOR 9 INCH BENCH SAW Model 103.20003

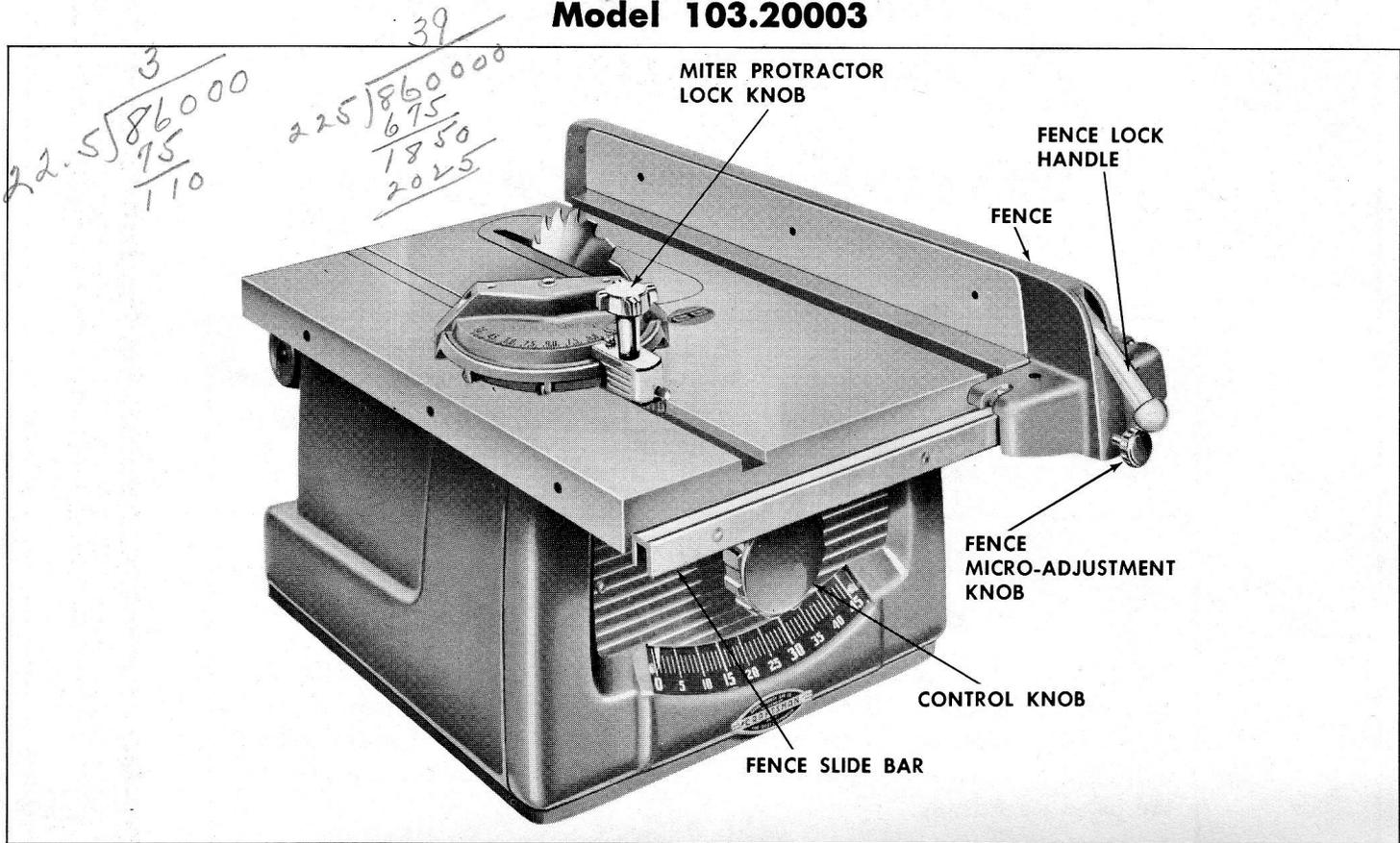


FIGURE 1

This 9-inch Tilting Arbor Bench Saw will produce quality work satisfying the demands of the most exacting craftsman.

To increase the versatility of this saw beyond the normal range of Bench Saw operations, various attachments are readily available. See Page 6.

To prevent damage in shipping, some of the parts were disassembled from the tool. These parts are listed below. Be sure they are all accounted for before discarding any of the packing material.

1. Fence: No. 155.
2. Miter Gauge Assembly: No. 154.
3. Fence Slide Bar with Scale: No. 4.
4. Fence Rack: No. 5.
5. Motor Pulley with Set Screw: No. 123.
6. V-Belt, No. 121.
7. Cloth bag containing:
 - a. No. 19; Fence Slide Bar mounting screws—4 pcs.
 - b. No. 15; Fence Slide Bar mounting nuts—4 pcs.
 - c. No. 17; Fence Slide Bar lock washers—4 pcs.
 - d. No. 13; Fence Rack mounting screws—3 pcs.
 - e. No. 16; Fence Rack Mounting nuts—3 pcs.
 - f. No. 14; Fence rack lock washers—3 pcs.
 - g. No. 18; Fence Slide Bar spacers—4 pcs.
 - h. No. 37; Motor Mounting bolts—2 pcs.
 - i. No. 41; Motor Mounting nuts—2 pcs.
 - j. Nos. 38 & 40; Motor Mounting washers—4 pcs.
 - k. Nos. 117, 118, 120; Hex wrenches.

ASSEMBLY:

NOTE: This assembly can be made most easily with the saw in an upside down position. A stamped steel nut-holder is supplied with this tool to ease the assembly of the fence slide bar to the table, and can also be used when attaching the rack to the slide bar.

The fence rack, No. 5, is mounted to the fence slide bar, No. 2, with three slotted flat head screws, No. 13, lock washers, No. 14, and nuts, No. 16. Insert

screws from outside of fence slide bar and through the rack. Making sure the rack is seated along the top wall of the fence slide bar, install lock washers and nuts. Tighten securely. This assembly is to be mounted to the front end of the table by four machine screws, No. 19, Spacers, No. 18, lock washers, No. 17, and nuts, No. 15. See Fig. 2.

Insert the hex head screws through the holes in the table. Place a spacer over each screw and hang the fence slide bar in place.

Place a lock washer and square nut in the nut-holder as shown in Fig. 2. Position the holder in the fence slide bar to align the nut with the screw, and turn the screw until the threads have engaged. Remove the holder. Do not use the holder when tightening screws.

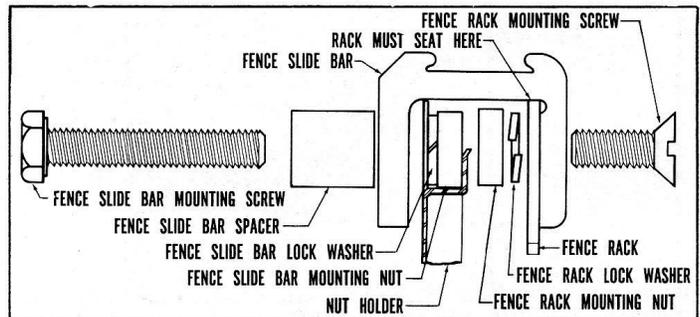


FIGURE 2

MOUNTING MOTOR:

Place the Motor Pulley, No. 123, on the Motor Shaft with the hub side turned away from the motor. Bolt the motor to the Motor Support Bracket, No. 39, with bolts, washers, and nuts supplied. Posi-

tion the motor pulley so the groove is in line with the groove of the saw pulley when the Guide Pin, No. 31, is through the slot in the Motor Rail Guide, No. 34. The motor shaft should be flush with or extend beyond the pulley hub when belt alignment is established. Securely tighten motor pulley set screw onto key.

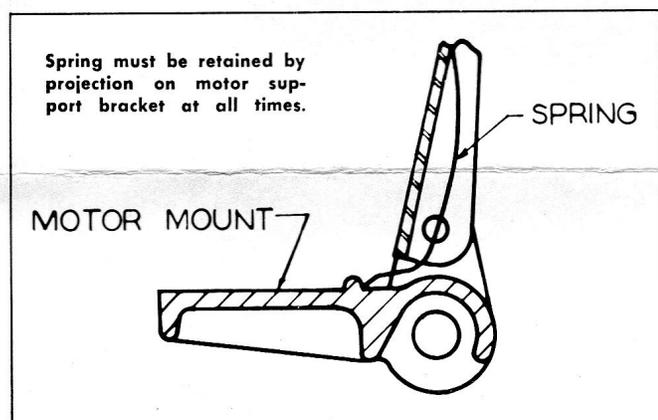
Install the V-belt, No. 121. Adjust motor toward or away from saw to insure belt clearance at the two extreme positions. They are: Blade at 90° and fully raised—and—blade tilted to 10° and in the extreme down position.

INSTALLATION OF SAW:

There are four 7/16 diameter holes provided in the saw base through which bolts or screws should be inserted to fasten the tool securely to a well built work bench. A large hole in the bench below the blade will allow the sawdust to escape.

CHECK BEFORE OPERATION:

1. The belt must have proper tension and alignment.
2. Be sure the teeth of the blade point to the front of the saw.
3. Be sure motor rotation—CLOCKWISE—when viewed from pulley is correct.



MOTOR:

For general home workshop use, a 3/4 horsepower, 3450 R.P.M. motor will provide adequate speed and power. For continued heavy duty use, a 1 horsepower, 3450 R.P.M. motor is recommended.

SPEED:

Using the specified motor pulley, No. 123, a 3450 R.P.M. motor will drive the saw at the recommended speed—3900 R.P.M.

LUBRICATION:

The precision ball bearing assembly used on the saw arbor has been packed with lubricant and sealed at the factory. It should require no further lubrication for the life of the bearing assembly.

To maintain the smooth, easy operation of the controls, oil the following points occasionally:

1. The Guide, No. 110, at the front of the arbor support.
2. The Guide Ways of the Front and Rear Trunnions, Nos. 87, 139.

3. The Motor Rail, No. 42.

Occasionally Lubricate the gear teeth on Items 87, 101, and 147 with a good grade of cup grease.

CONTROLS:

The Control Knob raises the saw blade from 0 to 3 inches above the table when pushed in and turned. It tilts the saw blade 0 to 45 degrees when pulled out and turned.

The Angle of Tilt is shown by a Pointer on the scale just below the Control Knob. It should indicate 0 degrees when the blade is at right angles to the Table Top (See ADJUSTMENTS).

The Miter Protractor Face is a guide surface for cross-cutting, or mitering. The Protractor may be used on either side of the blade with the Index Housing set at any angle. The angle is shown by the pointer over the calibrated scale on the Protractor Head. The Protractor also has three indexing positions which will insure quick and accurate setting at the 90 degree and two 45 degree angles.

To Use The Indexing Mechanism:

1. Loosen the Protractor Lock Knob.
2. Turn Protractor to approximate degree of any one of the three indexing positions and insert Plunger.
3. While holding the indexing plunger in, turn the protractor until the indexing screws engages the plunger. Lock the protractor knob.

The Micro-Adjustment Knob, Fig. 1, is used for making fine fence adjustments. This is done by pushing in on Knob until Pinion Gear Teeth freely engage the Rack and turning knob in either direction.

The Fence Lock Handle, when down, clamps the Fence at both ends of the Table. Raise the Handle to unlock and by grasping the Front Fence End, the Fence can be moved to any point across the table. To make sure that the Fence is perpendicular to the Table, push down on the Fence as you lock it.

CAUTION:

This saw has an extra long spindle for greater dado capacity.

If the blade is raised more than 2 13/16 inches the spindle will strike the table when the saw blade is tilted.

For various other cutting devices, check spindle clearance at 45 degrees tilt before operating tool.

ADJUSTMENTS:

The following items may require adjustment due to rough handling during shipment.

The Blade Tilt Stop Screw, No. 151, located just behind the Front Trunnion on the left side of the body casting, stops the Tilt mechanism when the blade is at right angles to the table. Adjust if necessary.

The Pointer and Scale were set at the factory. Should adjustment be necessary, follow the procedure outlined below.

1. Elevate blade to maximum cut, 3 inches.
2. Check blade with combination square and set perpendicular to the table top.
3. Pointer should indicate 0 degrees. If it does not, adjust pointer by loosening the screw, No. 93, holding the pointer to the mechanism, and set to 0 degrees.

4. Tilt blade to 45 degrees. Check with combination square. Pointer should indicate 45 degrees on scale.
5. If it does not, loosen the two Phillips head screws in the scale, one turn.
6. Move the scale up or down until both 0 degree and 45 degree marks are properly positioned under pointer. Re-tighten screws in scale.

The Craftsman Exclusive Exact-I-Cut Indicator is an adjustable gage which allows the operator to establish a guide line which will indicate either side of the cut made by the Saw Blade. Adjustments, if necessary, may be made as follows:

1. Loosen the two set screws, No. 26, with Allen wrench.
2. Holding a piece of wood firmly against the Miter Gage set at 90 degrees, make an accurate cut.

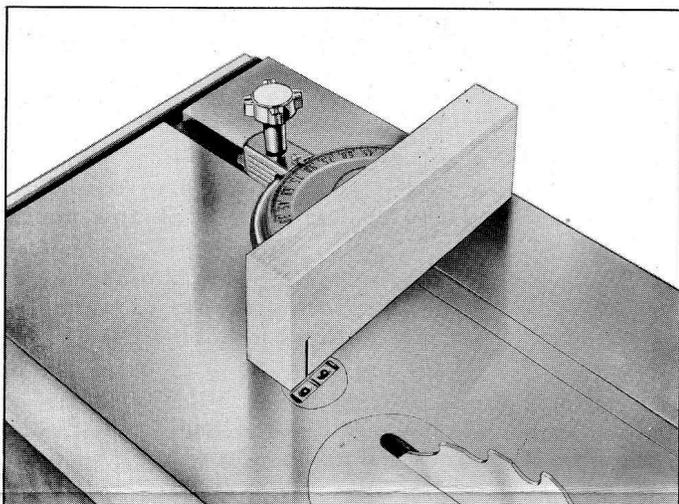


FIGURE 3

3. Withdraw from Blade until the saw cut and cut indicator shoes, No. 25, are approximately in line as shown in Fig. 3.
4. Using Allen Wrench, adjust each shoe to line up exactly with the sides of the saw cut and tighten securely.
5. Recheck by making second cut and retracting to see if shoe adjustment was accurately made.

The Fence Must Lock Parallel to The Miter Slots.

Position the fence along one edge of the miter slot. Lock securely with handle. If the fence is not parallel to the miter slot adjust as follows:

1. Lightly loosen the three screws, Nos. 58 (2) and 66, on the top side of the front fence end. (One-half to one full turn is sufficient to unloosen.)
2. Release the fence lock handle.
3. Holding the fence flush with the edge of the miter slot turn the three screws, Nos. 58 (2) and 66, up snug. Then tighten each one securely.
4. Re-tighten the three screws, Nos. 58 (2) and 66, securely.
5. Check the adjustment by sliding the fence away from the miter slot and returning several times to make sure it locks parallel each time.

The Fence Must be Square with the Table Surface.

This adjustment may be checked by placing a combination square against the fence body, see Fig. 4.

1. Adjustment may be made by loosening the mounting screws of the Fence Slide Bar, and

moving the Bar up or down at either end to adjust the Fence Body perpendicular to the Table.

2. Clearance between the bottom of the Fence Body, No. 57, and the Table Top should be held uniform along the entire length of the Fence.

Note: The two Nylon tipped self-locking set Screws, No. 68, have the function of providing for smoother sliding of the Fence over the Fence Slide Bar. The Nylon tips, therefore, must contact the Slide Bar to insure smooth and easy operation. These set screws provide some slight additional adjustment for setting fence perpendicular to the Table Top.

CAUTION: Do not let set screw tips project more than 1/64 inch below the surface of the Fence End. When fence is set at extreme end of the Fence Slide Bar, the screw drops off of Bar, and the Fence is thrown out of square. Also, the screw will drag over the end of the Bar, and ultimately damage the Bar and Screw.

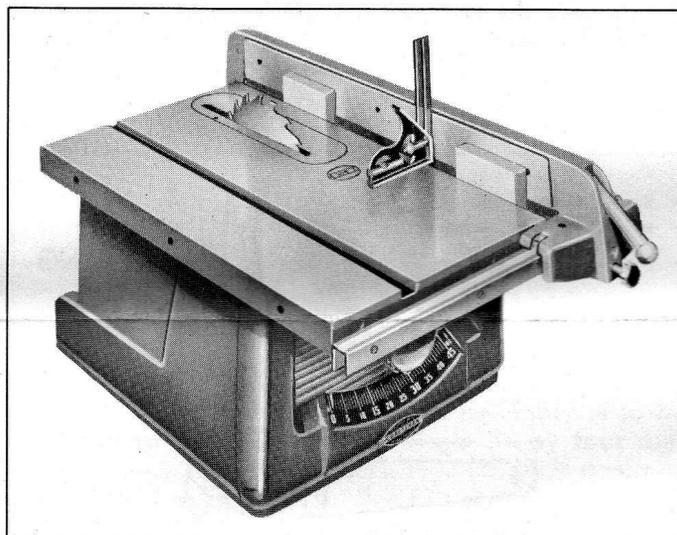


FIGURE 4

3. After all adjustments have been made, re-tighten the mounting screws.

The Micro-Adjustment mechanism has been pre-set at the Factory. If adjustment should be necessary it may be made as follows:

1. With the Fence in position on the Table loosen the screw, No. 61.
2. Push in on Knob and move Pinion Bracket, No. 64, up or down until the Gear meshes smoothly with the Rack.
3. Re-tighten screw securely.

Pinion Gear must mesh properly with Rack for full width of table. Adjustment may be made as follows:

1. Move fence the full width of the table using the Micro-Adjustment Knob to check engagement. If there is binding, rack must be adjusted up slightly; for looseness, lower rack.
2. Slightly loosen the three screws mounting Rack to Fence Slide Bar. Starting at one end, adjust toward other, moving rack to pinion gear.
3. When proper mesh is set, re-tighten rack mounting screws.

The Blade Must Be Parallel With the Miter Slots In The Table To Get a Straight Cut. Adjustment, if necessary, may be made as follows:

1. Raise the Blade to 3 inches depth of cut and set at right angle to Table (0 Degrees).
2. Measure accurately from the Point of a Tooth to an edge of either Miter Slot, as explained and shown in Fig. 5.
3. Loosen the Bolts, Nos. 88, 138, holding the Trunnions, Nos. 87, 139, to the lower table surface.

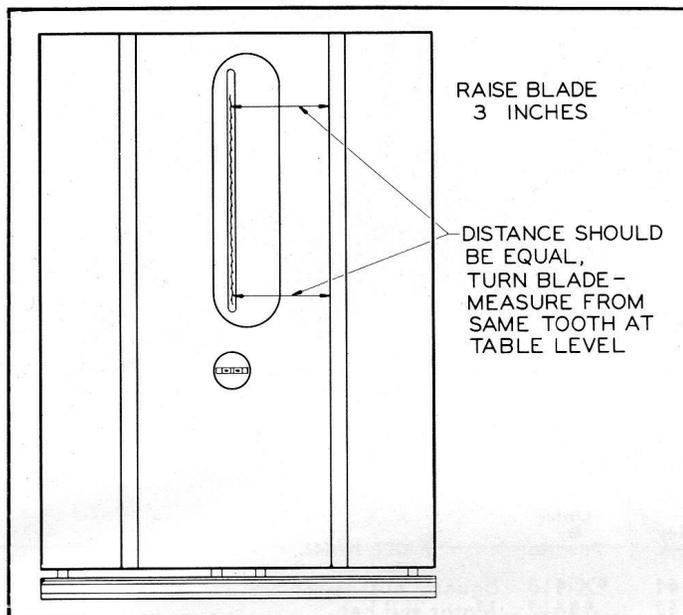


FIGURE 5

4. Shift the complete Table Mechanism until the Blade is parallel to the Miter Slot.
5. Re-tighten the four Trunnion Screws, Front Pair first.
6. Check the Adjustment as previously explained to be certain it is correct after re-assembly is complete.

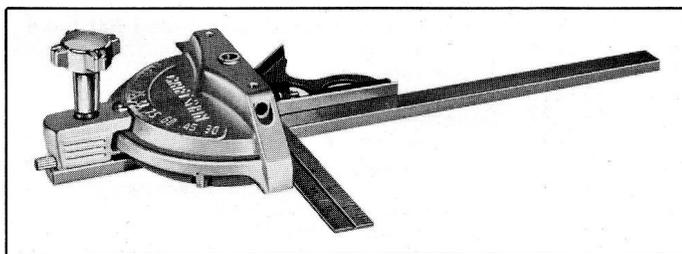


FIGURE 6

The Miter Gauge has been set at the factory. During shipment, rough handling may have disturbed the setting. To assure maximum accuracy and fineness of adjustment, the 90° and 45° stops should be adjusted as follows:

1. Loosen the Miter Gauge Lock Knob.
2. Loosen the Nut on each of the Slotted Head Screws to be adjusted.
3. Using a combination square set the Miter Protractor 90° to the Miter Bar. Then tighten Lock Knob. Push in the Indexing Pin, turn the Slotted Head Screw until it contacts the Indexing Pin. Tighten the Lock Nut.
4. Repeat the operation above for the remaining two positions by using the 45° setting of the Combination Square.
5. If the Pointer does not indicate exactly 90° and 45°, re-adjust the Pointer.

The Fence Lock Arm may require occasional adjustment to maintain proper locking pressure.

1. With the Cam Lock Handle in the unlocked position, turn Fence Rod, No. 51, in a clockwise direction to attain required pressure. (See Fig. 7).
2. Cam will hold Fence rigidly on the Table when only a slight force is used to press the Handle to the locked position.

The Arbor Tilt Tension Spring, No. 91, provides tension to keep the mechanism tilted at any angle, thus eliminating the need for any manual control lock. After the tool is "broken in", you may find it necessary to increase this tension.

1. Loosen the Lock Nut, No. 144, and turn the Bolt, No. 92, until enough tension has been applied.
2. Re-tighten the Lock Nut.

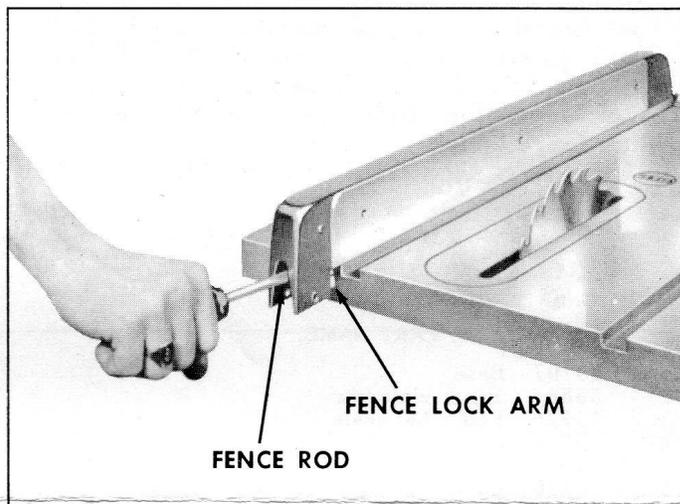


FIGURE 7

OPERATION:

The Blade provided with this saw may be used for both cross-cutting and ripping.

For proper chip clearance and best general results, the blade should project through the work-piece approximately 1/4 inch.

Do not force material into the Blade too fast. Use a straight, direct, steady feed which does not overtax the cutting capacity of the blade.

To eliminate creep of your work when making a Miter cut, clamp the work piece to the gauge.

Support long work as it leaves the rear of the table.

If overall thickness of Dado set exceeds 5/8 of an inch in width, the Saw Clamp Washer, No. 143, should not be used in order to insure proper thread engagement of Hex Nut, No. 142, on the Arbor.

For other ideas, suggestions, etc. pertaining to the operation of Circular Saws, refer to the Circular Saw Booklet found in the envelope.

NOTE: After a few hours of operation, tighten all Pulley Set Screws.

SAFETY:

While the Bench Saw is one of the most widely used Workshop Power Tools, it is by the nature of its general design, one of the most dangerous in the hands of inexperienced or careless operators. The Bench Saw is not, however, an unsafe tool when used with common sense and good judgment.

Use a Push Block rather than letting the hands

get closer than 3 inches to the Blade on narrow cuts.

Never hold the hands over the Blade when making blind groove cuts.

Stand to one side when completing a cut. A loose piece caught by the Blade can fly back with surprising force.

ALWAYS stop the Saw when removing waste stock from near the blade, when making adjustments, or when changing settings.

Do not wear dangling neck ties, loose baggy sleeves, etc. while operating Power Tools.

ACCESSORIES:

The following Accessories are available for this Bench Saw:

- Rear Roller Extension...Catalog No. 9-22165
- Saw Guard.....Catalog No. 9-21046
- Single Table Extension...Catalog No. 9-2085
- Double Table Extension...Catalog No. 99-2088
- Tool Stand.....Catalog No. 99-2228
- Dado Insert.....Catalog No. 9-20006
- Molding Insert.....Catalog No. 9-20005
- Miter Gage Stop Rods...Catalog No. 9-2125
- Miter Gage Quick
ClampCatalog No. 9-2761



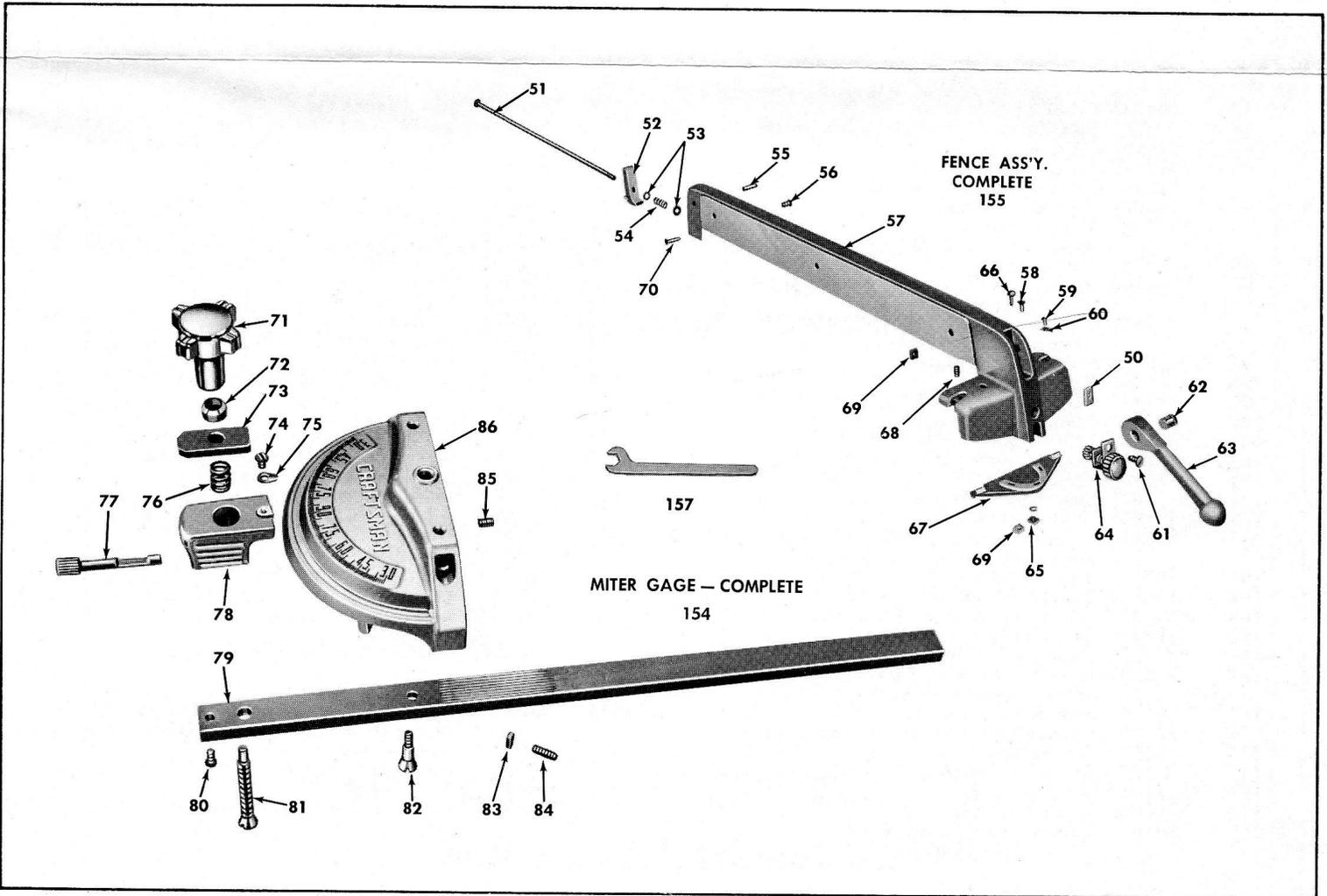
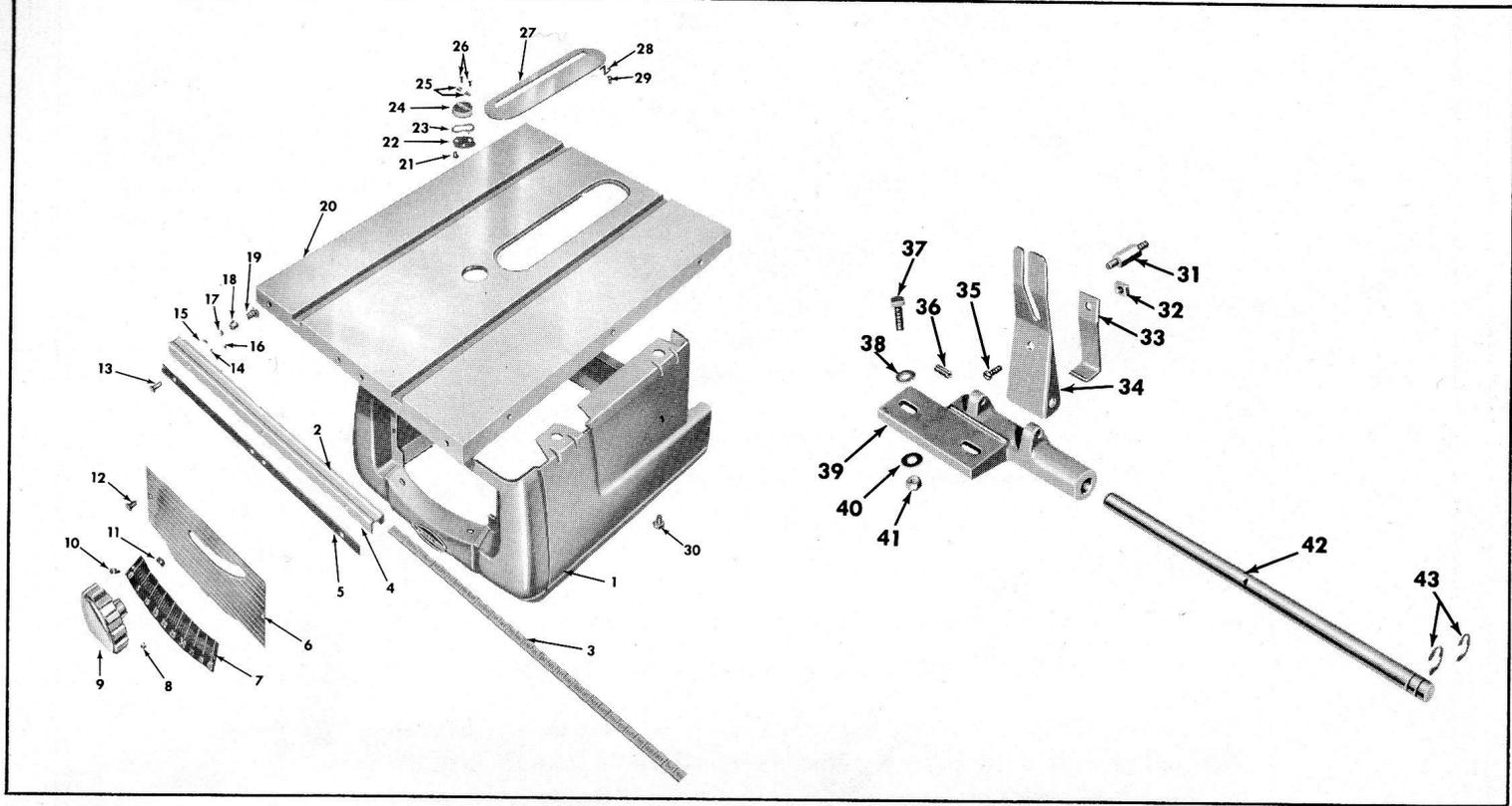
FIGURE 8

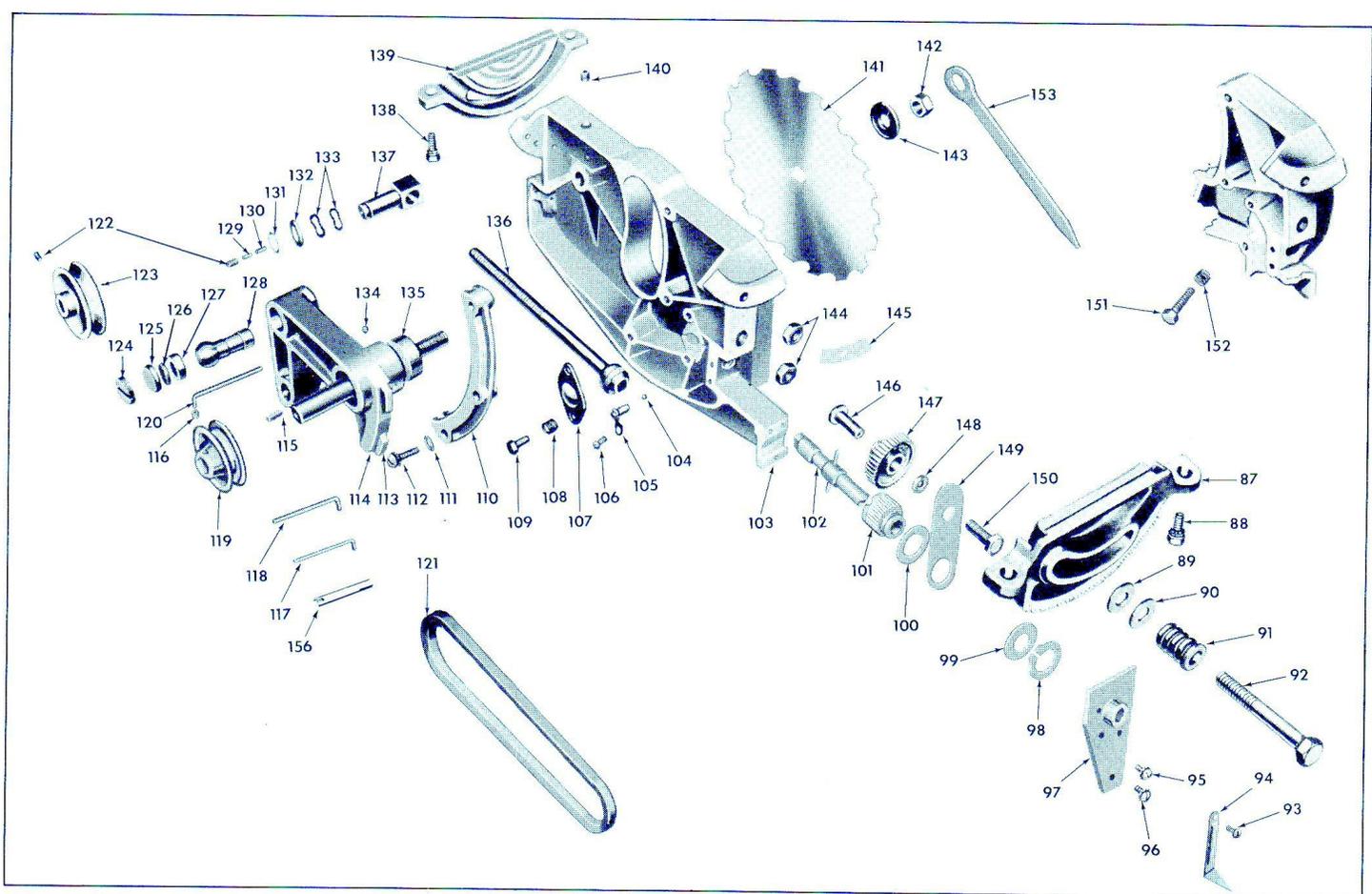
PARTS LIST

Key No.	Order By Part No.	PART NAME	Key No.	Order By Part No.	PART NAME
1	53107	Base	41	*X-418	Square nut 5/16-18
2	38861	Fence slide bar	42	53612	Motor rail bar
3	53726	Fence bar scale	43	38856	Retaining ring
4	53250	Fence slide bar, complete with #2, 3, 5, 13, 14, 16	50	38871	Wear Plate
5	38758	Fence rack	51	53615	Fence rod
6	53716	Trim panel	52	53419	Fence lock arm
7	53717	Tilt scale	53	*X-607	Plain washer 17/64 I.D. x 19/32 O.D.
8	*X-179	Set screw 5/16-18 x 5/16 socket head cup point	54	38815	Fence lock spring
9	53260	Handwheel with set screw	55	38674	Fence lock pin
10	X-332	Machine screw #6-32 x 1/4 Phillips binding head	56	53816	Flat head Riv-Nut
11	X-1376	Speednut #6-32	57	53415	Fence body
12	*X-1806	Sheet metal screw #7-16 x 3/8 Phillips head	58	X-3701	Screw #10-32 x 1/2 flat socket head
13	*X-520	Machine screw #10-32 x 1/2 slotted flat head	59	X-516	Machine Screw # 8-32 x 1/4 Slot. Rd. Hd.
14	*X-608	Lock washer #10	60	53725	Fence pointer
15	X-477	Square nut #10-32	61	*X-529	Machine screw 1/4-20 x 5/8 slotted flat head
16	X-477	Square nut #10-32	62	38688	Fence swivel
17	*X-608	Lock washer #10	63	53421	Fence lock cam
18	38676	Fence bar spacer	64	53210	Fence micro-adjustment
19	X-288	Cap screw #10-32 x 1 1/4 hex. head	65	*X-477	Square nut # 10-32
20	53211	Table	66	X-397	Machine Screw 1/4-20 x 5/8 Button Hd.
21	*X-501	Machine screw #8-32 x 3/8 slotted round hd.	67	53417	Fence adjusting shoe
22	38747	Cut indicator plate	68	38859	Nylon tipped Fence Slide screw
23	38746	Spring washer	69	*X-421	Square nut 1/4-20
24	38844	Cut indicator housing	70	X-588	Machine screw #8-32 x 1 slotted flat head
25	38845	Cut indicator shoe	71	38445	Knob
26	*X-3700	Screw #4-40 x 3/8 flat socket head	72	38698	Sleeve (Spherical)
27	53180	Table insert with clips attached	73	38771	Lock Plate
28	18993	Table insert clip	74	X-512	Machine Screw # 8-32 x 3/16 Slot. Hd.
29	38863	Rivet	75	38724	Pointer
30	X-741	Machine screw 5/16-18 x 1 1/2 hex. washer head with external lock washer	76	38882	Spring
31	38691	Guide pin	77	38699	Index Pin
32	*X-418	Square nut 5/16-18	78	38444	Index Pin Housing
33	38765	Flat spring	79	38695	Miter Gage Bar
34	38764	Motor rail guide	80	X-511	Machine Screw # 10-24 x 3/8 Slot. Rd. Hd.
35	*X-525	Machine screw 5/16-18 x 5/8 slotted round hd.	81	38696	Screw
36	38874	Roll pin	82	38697	Pivot Screw
37	X-309	Machine screw 5/16-18 x 1 square head	83	38511	Hex Nut # 10-24
38	*X-601	Plain washer 1 1/32 I.D. x 1 1/16 O.D.	84	X-3801	Set Screw # 10-24 x 9/16 Slot. Hd.
39	53213	Motor support bracket	85	X-183	Set Screw # 10-24 x 1/4 Slot. Rd. Hd.
40	*X-601	Plain washer 1 1/32 I.D. x 1 1/16 O. D.	86	38443	Protractor
			154	*38003	Miter Gage—Complete
			155	53103	Fence—Complete
			157	38521	Wrench

*Standard hardware items—may be purchased locally.

**Items are regular stock in Sears hardware department and mail order houses. May also be ordered as repair parts by part number provided.





PARTS LIST

Key No.	Order By Part No.	PART NAME	Key No.	Order By Part No.	PART NAME
87	38438	Front Trunnion	120	*X-1400	Hex wrench $\frac{5}{32}$
88	X-387	Bolt $\frac{5}{16}$ -18 x $\frac{3}{4}$ Spin lock hex. head	121	X-1478	V-Belt $\frac{1}{2}$ x 36 inches long
89	38755	Fiber washer	122	X-179	Set screw $\frac{5}{16}$ -18 x $\frac{5}{16}$ soc. hd. cup point
90	38754	Trunnion lock washer	123	18036-B	Motor pulley with set screw
91	38854	Trunnion lock spring	124	38666	Pivot bearing retaining screw
92	38667	Trunnion lock bolt	125	38848	Pivot bearing retaining washer
93	X-2908	Thread cutting screw #8-32 x $\frac{1}{4}$ slotted round hd.	126	38766	Disc
94	53718	Tilt pointer	127	38665	Pivot Bearing
95	X-734	Machine screw #10-24 x $\frac{3}{8}$ round head with external lock washer	128	38664	Pivot Pin
96	X-734	Machine Screw # 10-24 x $\frac{3}{8}$ Rd. Hd. With External Lock Washer	129	38846	Plug—rubber
97	38752	Control shaft plate	130	38847	Plug—nylon
98	38849	Retaining ring	131	18447	Retaining ring
99	38748	Plain washer	132	X-631	Plain washer $\frac{1}{4}$ I.D. x 1 inch O.D.
100	38748	Plain washer	133	38728	Spring washer
101	38435	Drive gear	134	X-181	Set screw #10-24 x $\frac{1}{4}$ soc. hd. cone pt.
102	53170	Control shaft with pin	135	53190	Bearing with key
103	53411	Frame	136	38663	Saw elevation shaft
104	X-1307	Steel ball $\frac{3}{16}$ Dia.	137	38340	Swivel with plugs and set screw
105	38190	Control shaft tension spring	138	X-387	Bolt $\frac{5}{16}$ -18 x $\frac{3}{4}$ Spin lock hex. hd.
106	X-734	Machine screw #10-24 x $\frac{3}{8}$ slotted round head with external lock washer	139	38439	Rear trunnion
107	38751	Tension plate	140	X-179	Set Screw $\frac{5}{16}$ -18 x $\frac{5}{16}$ soc hd. cup point
108	38853	Tension Plate Spring	141	*53722	9 Inch Diameter Chisel Tooth Blade
109	*X-201	Cap screw $\frac{1}{4}$ -20 x $\frac{3}{4}$ hex. hd.	142	38673	Arbor nut
110	38437	Guide shoe	143	53613	Saw clamp washer
111	*X-607	Plain washer $\frac{1}{4}$ I.D. x $\frac{1}{32}$ O.D.	144	*X-413	Hex. jam nut $\frac{3}{8}$ -16
112	X-738	Machine screw $\frac{1}{4}$ -20 x 1 round head with external lock washer	145	38753	Dust shield
113	38434	Spindle support	146	38669	Control Gear Spacer
114	53240	Spindle support with bearing and key	147	53416	Control gear
115	38831	Square key	148	X-636	Plain washer $\frac{1}{2}$ I.D. x $\frac{3}{4}$ O.D.
116	X-179	Set screw $\frac{5}{16}$ -18 x $\frac{5}{16}$ soc. hd. cup point	149	53719	Gear plate
117	*X-1406	Wrench $\frac{1}{16}$ Hex	150	X-206	Cap screw $\frac{3}{8}$ -16 x $1\frac{3}{4}$ hex. hd.
118	*X-1405	Wrench $\frac{1}{8}$ Hex	151	*X-379	Screw $\frac{1}{4}$ -20 x $\frac{3}{4}$ slot. hex. hd. May be replaced by machine screw $\frac{1}{4}$ -20— $\frac{3}{4}$ hex. hd.
119	38160	Tool pulley with set screw	152	38853	Spring—tension
			153	38761	Arbor nut wrench
			156	53728	Nut Holder
				53949	Instruction sheet and parts list.

*Standard hardware items—may be purchased locally.

**Items are regular stock in Sears hardware department and mail order houses.
May also be ordered as repair parts by part number provided.

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CRAFTSMAN

REG. U. S. PAT. OFF.

9 - I N C H

TILTING-ARBOR BENCH SAW

Work and Table Remain Level

the seal
of tested
quality
and
savings
laboratory
approved



- ★ Special "UNITIZED" motor support permits easier tilting and automatically controls tension on dual Vee belt drive.
- ★ Single control wheel accurately sets both angle and depth of cut with quick and simple adjustment. Automatic mechanism holds tension each time blade angle is changed—eliminates locking and unlocking by hand.
- ★ Exclusive "Exact-I-Cut" indicator shows the exact width and line that the blade will cut—before the work piece contacts the blade.
- ★ Extra large table surface, 24 x 18 inches, is cast from heavy semi-steel and has a precision ground top and carefully machined sides. There are other table inserts available for dadoing, molding, sanding and grinding.
- ★ Self squaring rip fence is lifted off table from any position and is conveniently locked to both front and rear of table by a single lever. Fine settings along the full width graduated scale are made with a vernier adjustment.
- ★ Blade can be used for rip, cross or miter cutting. Made from heat treated "Super-Tuff" Chrome-Nickel steel. It is the finest CRAFTSMAN chisel tooth blade.

IMPORTANT—See Other Side

CRAFTSMAN TOOLS AND ACCESSORIES ARE
SOLD ONLY BY SEARS, ROEBUCK AND CO. - U. S. A.
AND SIMPSONS SEARS LIMITED - CANADA

IMPORTANT DO NOT DESTROY

This envelope contains the instruction sheet and parts list for this tool
**BEFORE USING THIS TOOL, READ ENCLOSED INSTRUCTION
SHEET AND FOLLOW DIRECTIONS CAREFULLY**

Here are some of the fine accessories that can help you get maximum use from the CRAFTSMAN Bench Saw. They are easily obtainable at either your Sears Retail Store or Mail Order House or Simpsons Sears Limited - Canada.

- **DOUBLE SIDE TABLE EXTENSIONS—NO. 99-2088**
These will double the table width, increasing your working surface.
- **SINGLE SIDE TABLE EXTENSION—NO. 9-2085**
This will increase your working surface 50%
- **REAR TABLE EXTENSION—NO. 9-22165**
The roller makes your handling of long materials much easier.
- **MOLDING CUTTER HEAD—NO. 9-2284**
Helps you make fine moldings of your own design.
- **MOLDING INSERT—NO. 9-20005**
Replaces saw insert when using the molding cutter set.
- **MITER GAUGE AND RIP FENCE HOLDER—NO. 9-2706**
Conveniently holds miter gauge and rip fence when not in use.
- **SANDING PLATE—NO. 9-2272**
Simplifies finishing operations on lengthy materials.
- **SAW GUARD ASSEMBLY—NO. 9-20008**
An important safety device with splitter and non-kickback pawls.
- **DADO SET—NO. 9-4874**
Makes your bench saw more useful by cutting tenons, rabbets and grooves.
- **DADO INSERT—NO. 9-20006**
Replaces saw insert when using the dado saw set
- **CARBIDE-TIPPED 8 TOOTH SAW BLADE—NO. 9-4943**
Extra-tough—outwears 20 standard blades. Cuts wood, Masonite, Formica, Transite and other abrasive materials.
- **PEDESTAL TYPE TOOL STAND—NO. 99-20007**
Provides maximum rigidity—mobility—and compactness when mounting saw.

If you would like to write us concerning the performance of this CRAFTSMAN tool, please cut out this section enclosed by the dotted lines and return it with your letter.

THIS TOOL WAS CAREFULLY INSPECTED BEFORE SHIPPING

**SEARS, ROEBUCK AND CO. - U. S. A.
SIMPSONS SEARS LIMITED - CANADA**

Inspected by No. _____

Packed by No. _____

Model Number 103.20003