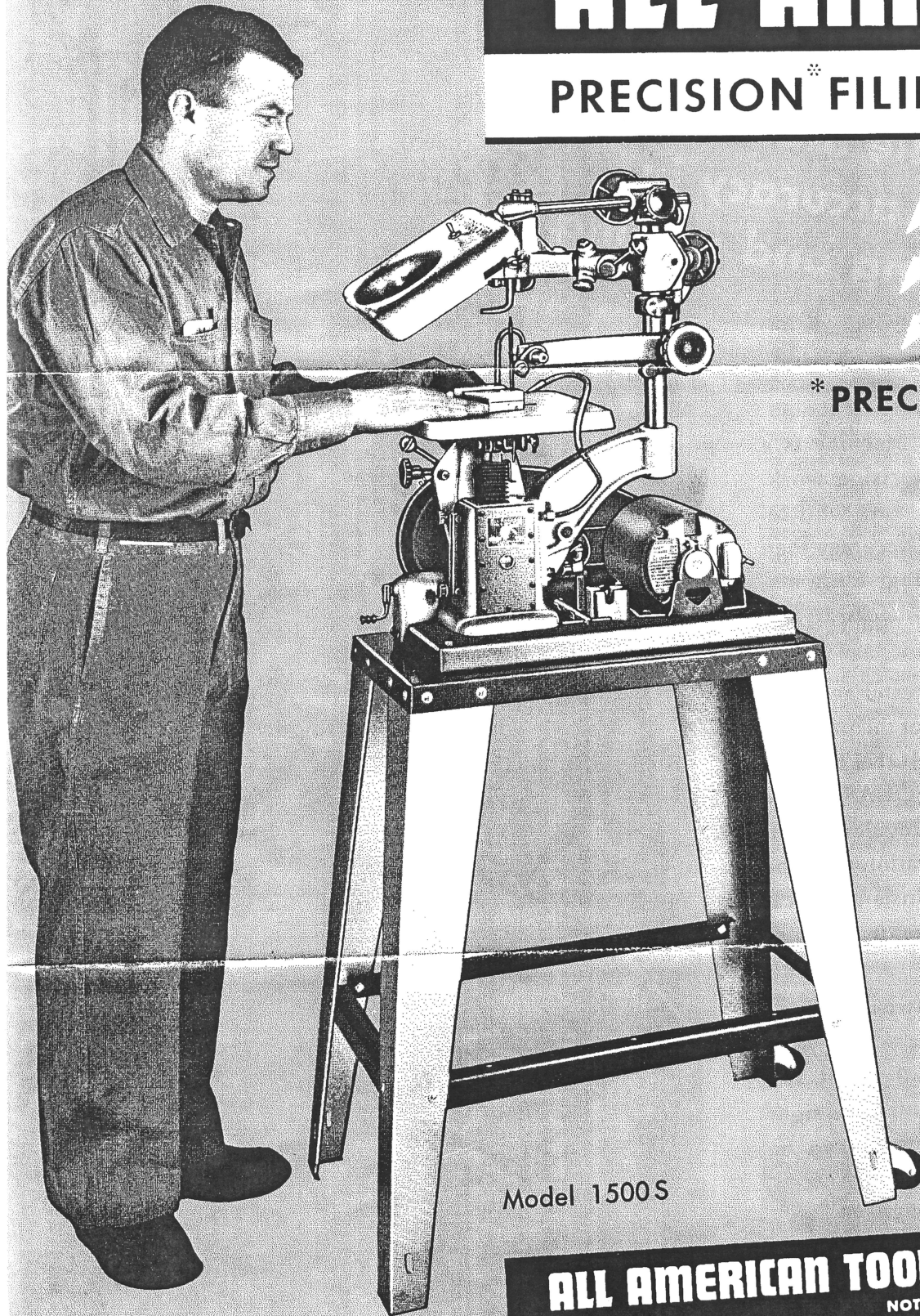




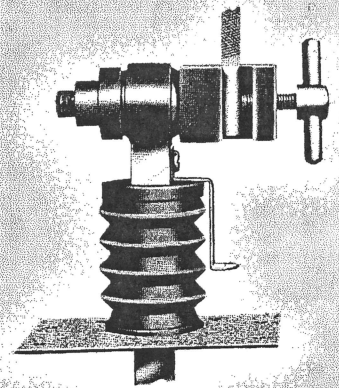
# ALL AMERICAN

## PRECISION\* FILING MACHINE

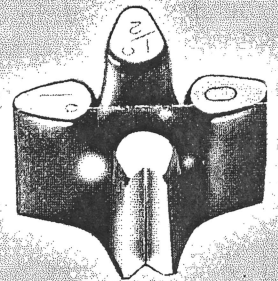


✓ IT FILES  
✓ IT SAWS  
✓ IT HONES

\*PRECISION ASSURED



by the patented BALL and  
SOCKET JOINT FILE CLAMP



and by the patented File Setting  
Square—two devices that guaran-  
tee instant, TRUE vertical file posi-  
tioning!

Model 1500S

### ALL AMERICAN TOOL & MFG. COMPANY

NOT INC.

8027 LAWNDALE AVENUE  
Zip Code 60076

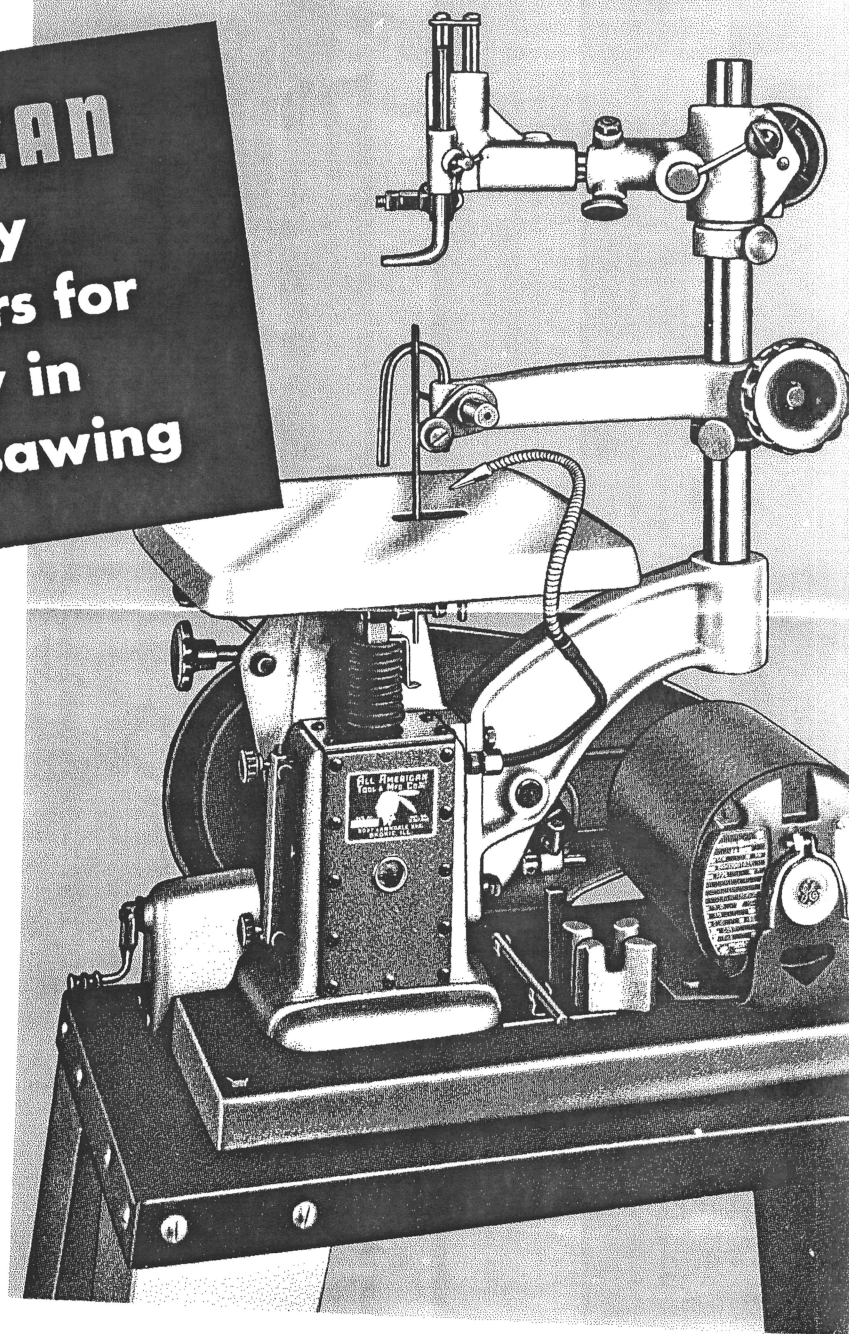
• SKOKIE, ILLINOIS  
(Chicago Suburb)

**The ALL AMERICAN**  
 was designed by  
 practical die makers for  
 greater accuracy in  
 filing, honing and sawing

The All American Filing Machine is a precision tool built for precision work. It was designed by die makers who required a higher degree of accuracy than was possible with the average filing machine. Hand finishing is unnecessary.

In the All American this greater accuracy is assured through the use of the patented **BALL AND SOCKET JOINT FILE CLAMP** and **SETTING SQUARE**. The clamp compensates for irregularities in file shanks and, in combination with the file setting square, assures instant vertical positioning of the file, hone or saw.

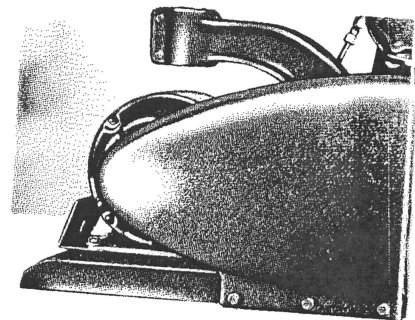
True undeviating up and down movement of the file is provided by a scotch yoke which runs silently in a bath of oil. Oil level is visible through a bull's eye sight port. Wear in bronze bearings can be easily taken up by finger screws accessible from outside of housing.



ATTRACTIVELY FINISHED  
 IN GRAY HAMMERLOID  
**PRICE**

F.O.B. FACTORY  
 Price for machine as illustrated above, less stand.

See Accessories  
 on Back Page.



*No other filing machine like it!*

*Drive is fully shielded for*



## ONLY 10 SECONDS REQUIRED TO SET FILE STRAIGHT

In operation the file is locked in place in the Ball and Socket Joint Clamp below the table. A stop prevents file from interfering with vertical movement. The position of the file is squared by the "V" groove in the 4-face precision ground Setting Square. The face marked "O" is used for checking the squareness of file, other faces,  $\frac{1}{2}^\circ$  and  $1^\circ$ , are used for table positioning. Both square and wrench are mounted on machine base when not in use.

## DIRT AND CHIPS ARE SEALED OUT OF HOUSING

A neoprene bellows prevents entry of dirt and chips. It also furnishes air to operate the flexible chip blower.

## ADJUSTABLE PRECISION MACHINED TABLE

The table is registered horizontally by a hardened, ground register pin, operating through bushing in rear of table. Table may be tilted by retracting register pin, loosening clamp knob and then setting to desired angle by means of precision table tilting mechanism.

*Ball and Socket Joint. File Clamp has offset feature which permits use of unworn portions of file or saw. Will accommodate any shape of parallel file. File stop prevents lowering tool too far so as not to interfere with vertical stroke of machine. Recommended files are 8" parallel machine type. Maximum capacity is  $\frac{1}{8}$ " round or  $\frac{1}{4} \times \frac{3}{8}$ " oblong cross section. Adapter furnished for files with  $\frac{1}{8}$ " and  $\frac{1}{4}$ " diameter shanks.*

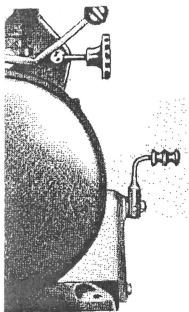
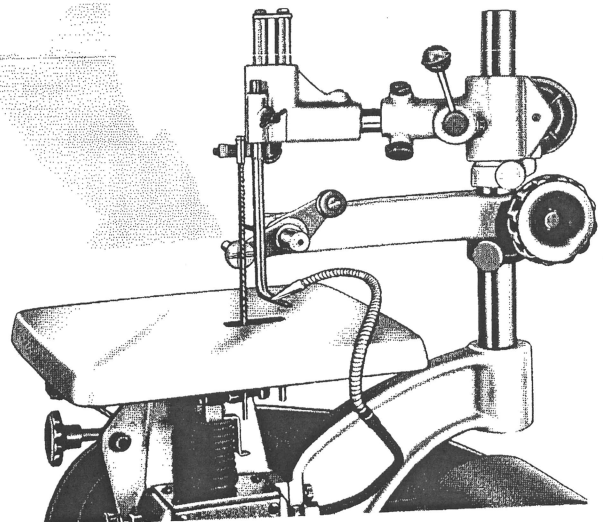
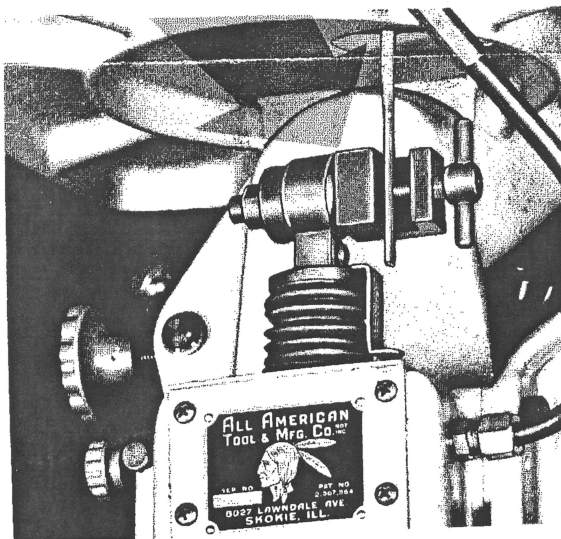
## OPERATING RANGE 240 TO 540 STROKES PER MINUTE

The fully guarded V-Belt variable speed drive permits choice of an infinite number of speeds, low enough for filing high chrome, high carbon steel—fast enough for honing operations. Speed is changed by turning a convenient crank.

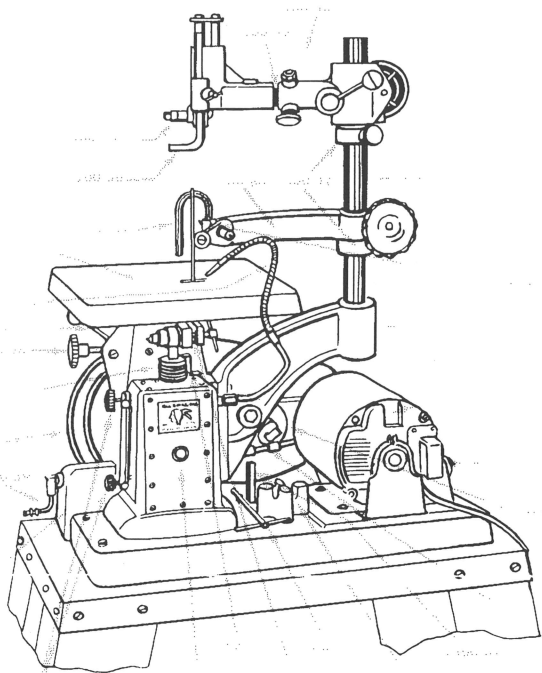
## RECOMMENDED FOR FILING, HONING AND SAWING

While primarily a filing machine, the All American can be used also for accurate sawing and honing. The change-over is simple. After file is removed, lower end of saw is inserted into one of the saw adapters furnished, which is then locked in place in Ball and Socket Joint Clamp. Upper end of saw is inserted into the other adapter and clamped in the file clamp of the spring loaded reciprocating vertical shaft in the overarm. Slotted bronze disk guides saw and serves as "back-up". Guide disk has .030" and .020" slots to accommodate various thicknesses of saws. For honing, hone holder is held and squared up same as file. File back stop with soft steel roller, used in filing, is also used for backing up hone holder.

*A bronze saw guide acts as a back-up on saw. Guide has .020" and .030" slots to accommodate saws of various thicknesses. Note flexible chip blower which can be moved to most advantageous work position for filing, or sawing. Neoprene bellows prevents chips from entering housing. Adjustable finger holds down work.*



safety.



1500-2	Ball and Socket Joint File Clamp.	1500S-39	Variable speed control.
1500-3	Clamping wrench for Ball and Socket Joint.	1500-40	Overarm assembly with stop collar.
1500-4	File Setting Square.	1500-42	Stop collars.
1500-7	Neoprene bellows.	1500-45	Horizontal shaft.
1500-14	Flexible chip blower.	1500-54	Overarm Saw or file clamp.
1500-20	Oil level gage.	1500-56	Hold down finger.
1500-23	Precision machined table.	1500-58	Overarm post bracket.
1500-25	Table locking lever.	1500-59	Overarm post.
1500-26	Precision table adjustment.	1500-60	Auxiliary overarm with roller back-up for small hones and files.
1500S-29	Belt Guard	1500-62	File back stop with roller.
1500-30	115V, 60 CYC, AC Motor.	1500-64	Auxiliary hold down finger.
1500-31	Motor switch.	1500-66	Adjusting screws for vertical shaft bearings.
1500S-35	Variable speed pulley.	1500-67	Offset stop for file or saw.
1500S-36	Variable speed pulley carrier.	1500-69	Small File Adapter.
1500S-38	Variable speed control bracket.		

## SPECIFICATIONS MODEL 1500S

Stroke	1 1/2"	Maximum tilting angle	15° front and back
Speed	240 to 540 strokes per min. Stepless	Motor	115V, 60 CYC, 1750 RPM, AC (with switch and 6' cord)
Distance center of table to overarm post	8"	Maximum file shank capacity	1/2" round or 1/2" x 5/8" oblong
Maximum height of work above table	8"	Net weight	88 lbs.
Table size	10 1/4" x 10 1/4"	Shipping weight	96 lbs.
Base size	9 3/8" wide by 20" long (4 mounting holes for 5/16" screws)		

## FILING MACHINE STAND

## F.O.B. FACTORY

(Specially designed for Model 1500S Filer)

Substantial! Serviceable!  
12" x 23" Platform  
31" high

2 tone hammerloid finish  
Shipped K.D. complete with 2 casters  
Can be assembled in minutes.

## STANDARD EQUIPMENT INCLUDES:

File Square 1500-4. • Clamping Wrench 1500-3. • Chip Blower 1500-14. • Small File Adapter 1500-69.

## ACCESSORIES



### SAWING ATTACHMENT

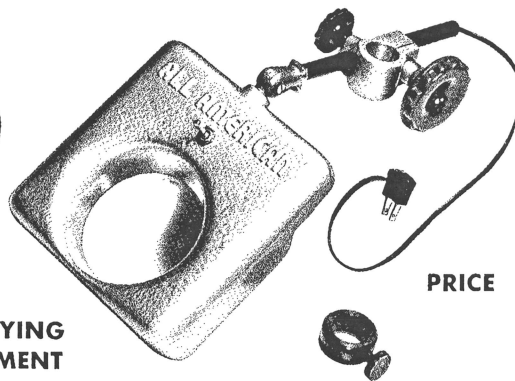
Furnished complete with 2 saw chucks, slotted bronze saw guide and 2 saw blades.

PRICE



### HONING ATTACHMENT—PRICE

Reversible hone is mounted in Hone holder. Furnished complete with one hone. Choice of 80, 100, 120, 150, and 180 grits. 120 grit furnished unless otherwise specified.



PRICE

### MAGNIFYING ATTACHMENT

Illuminated, precision ground lens 4 1/2" dia., 2 1/2" magnification. Unit includes overarm and locking device to hold lens at most advantageous work angle. Two 25 watt lamps, one on each side of glass, furnish ample illumination.

ALL PRICES ARE F.O.B. FACTORY

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**TOOL & MFG. COMPANY**  
**NOT INC.**



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**8027 LAWNDALE AVENUE**

**• SKOKIE, ILLINOIS**

(Chicago Suburb)

Zip Code 60076

(312) 673-7084



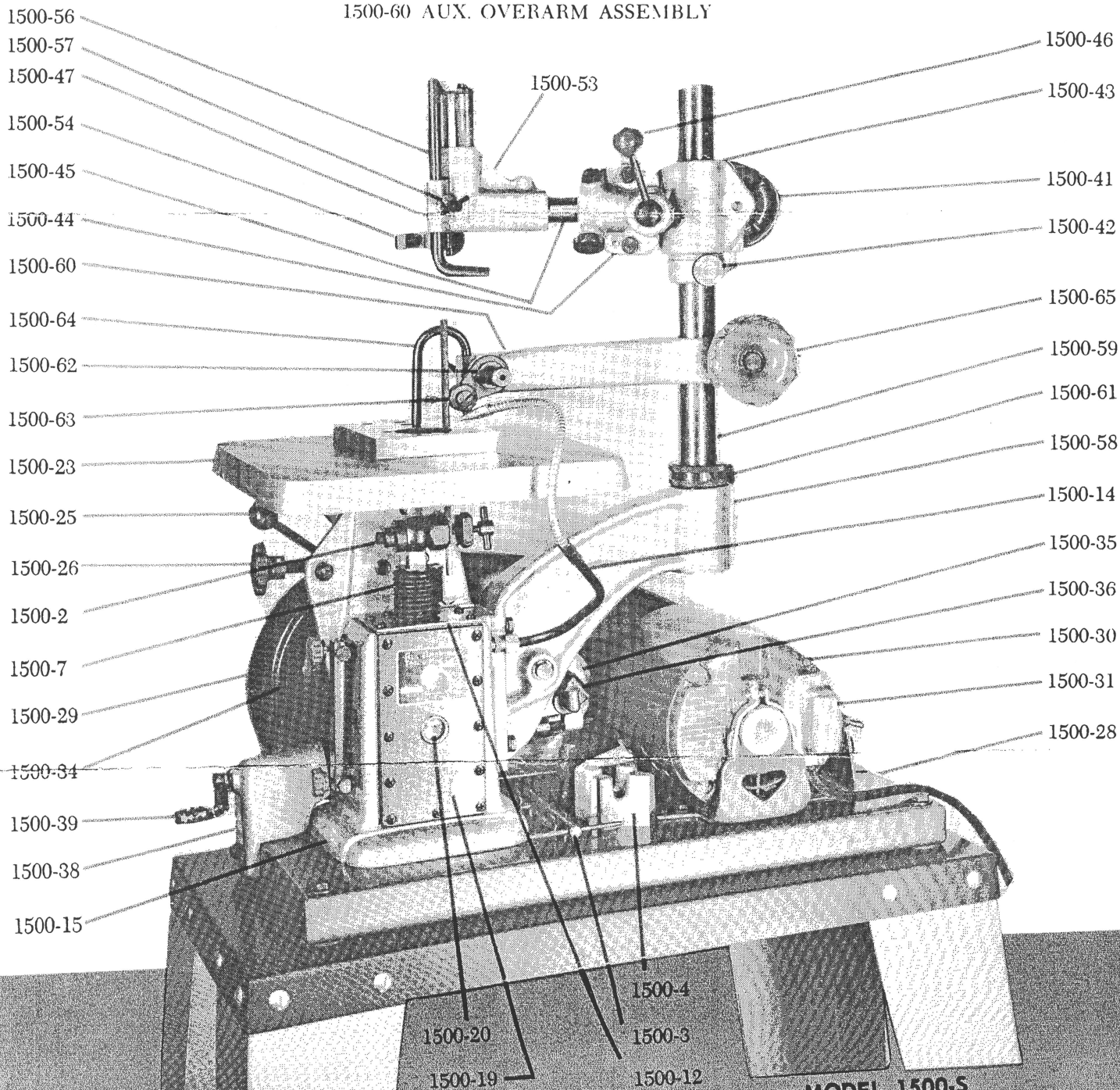
# ALL AMERICAN

## PRECISION FILING MACHINE

### PARTS LIST

### OPERATING INSTRUCTIONS

1500-1 MECHANISM ASSEMBLY  
1500-22 TABLE ASSEMBLY  
1500-40 OVERARM ASSEMBLY  
1500-60 AUX. OVERARM ASSEMBLY



MODEL 1500-S

# ALL AMERICAN TOOL & MFG. COMPANY, INC.

8027 LAWDALE • SKOKIE, ILLINOIS (Chicago Suburb) 60076

## MECHANISM

Parts No.		Description	Price
1500-1		Mechanism assembly, complete with table	\$
1500-2		Ball Joint file clamp assembly	
1500-3		Ball Joint hexagon wrench	
1500-4		4-Face Setting Square	
1500-5	not shown	Horizontal shaft assembly, complete with ball bearing, crank and crank pin	
1500-6	not shown	Vertical shaft assembly with Scotch Yoke, bearing shoe and screws, but less File Clamp and Neoprene Bellows	
1500-7		Neoprene Bellows	
1500-8	not shown	Bearing shoe only	
1500-9	not shown	Adjustment bracket assembly, complete with bell cranks, outer bearings, adjustment screws, leather gasket, locking bar, sealing plate and screws	
1500-10	not shown	Outer vertical shaft bearings only	1 pair
1500-11	not shown	Inner vertical shaft bearings only	1 pair
1500-12		Top cover plate, with sub-plate, gasket and screws	
1500-13	not shown	Top cover plate gasket only	
1500-14		Chip blower attachment—complete	
1500-15		Mechanism housing only, machined, with oil seal, mounting screws, table stud and oil plug	
1500-17	not shown	Tube of Permatex No. 2 for sealing housing to base	
1500-18	not shown	Oil seal only	
1500-19		Front cover plate with oil window and screws	
1500-20		Oil window only	

## TABLE

Parts No.		Description	Price
1500-22		Table assembly with register mechanism, tilting mechanism, table clamping knob, tension spring and washers	\$
1500-23		Table only, painted and machined (10¼" x 10¼")	
1500-25		Table register mechanism, complete	
1500-26		Table tilting mechanism, complete	
1500-27	not shown	Table clamping knob with washer and spring	

## DRIVE

Parts No.		Description	Price
1500-28		Base, painted and machined	
1500-29		Belt guard with screws	
1500-30		Motor, ¼ H.P. 1750 R.P.M., 110 volt, 60 cycle, AC complete with cord, switch and plug	\$
1500-31	not shown	Motor switch only	
1500-32	not shown	V Belt (Short) Gates No. 1150	
1500-33		V Belt (Long) Gates No. 1260	
1500-34		Mechanism pulley	
1500-35		Speedmaster	
1500-36		Speedmaster carrier—complete	
1500-37	not shown	Motor Pulley	
1500-38		Speed control bracket	
1500-39		Speed control rod with crank, spring, speed control swivel and stop nut	



## OVERARM

Parts No.		Description	Price
1500-40	not shown	Overarm assembly, complete, with stop collar, less overarm post and bracket	\$
1500-41		Overarm Clamping knob only	
1500-42		Stop collar with hand knob	
1500-43		Vertical support bracket with stud	
1500-44		Horizontal support bracket with screws, clamping knob, key and set screws	
1500-45		Horizontal shaft	
1500-46		Horizontal adjustment mechanism, pin carrier, pin, handle, plastic knob and set screws	
1500-47		Overarm mechanism housing, complete assembly	
1500-53		Overarm file clamp with shaft	
1500-54		Overarm guide pin	
1500-55		File clamp positioning lever with shoulder screw	
1500-56		Hold down finger	
1500-57		Hold down finger locking screw	
1500-58		Overarm bracket with screws	
1500-59		Overarm post	

## AUXILIARY OVERARM

Parts No.		Description	Price
1500-60		Auxiliary Overarm, complete with clamping knob, stop collar, file back stop with 2 rollers, auxiliary hold down finger with locking screw	\$
1500-61		Stop collar with thumb screw	
1500-62		File back stop with 2 rollers	
1500-63		Roller only (soft steel)	each
1500-64		Auxiliary hold down finger	
1500-65		Auxiliary overarm clamping knob	



when ordering parts. . .  
please advise serial number of machine.

Prices subject to change without notice — All prices f.o.b. our Skokie, Illinois plant

"Unquestionably, the finest precision filing machine made"

# OPERATING INSTRUCTIONS

## ALL AMERICAN MODEL 1500-S PRECISION BENCH FILING MACHINE

Before starting machine remove  $\frac{1}{8}$ " pipe plug from housing and fill mechanism with #20 or #30 machine oil. When oil level shows half way up the plastic oil window, replace plug.

### TO SET FILE:

- A. Clamp file into file holder using file clamp screw.
- B. Loosen Ball Joint Assembly slightly with hex wrench furnished.
- C. Square up file with Setting Square, using V groove face. Tighten ball and socket Joint.

### TO ADJUST OVERARM:

- A. Move file into highest position of stroke by turning large pulley by hand.
- B. Adjust height of Overarm so that it will clamp file in the desired position.
- C. Open overarm file clamp, sufficiently to accommodate file.
- D. Bring overarm clamp into position by operating Swivel adjustment on side of overarm, so that it touches file. Clamp may be swiveled by operating knurled screw.
- E. Lift cam lever (to left of Overarm) in order to permit file being clamped with jaws  $\frac{1}{16}$ " below overarm housing.
- F. Clamp Overarm to post.
- G. Clamp file in file clamp.

Machine is now ready for filing. Any front to back inaccuracy in alignment of file can be adjusted

by operating swivel adjustment. Tighten swivel adjustment before starting to file. AUXILIARY OVERARM may be used in place of standard overarm. This overarm carries an adjustable soft steel roller for backing up file or other tool. Both overarms are standard equipment and may be used interchangeably.

### TO TILT TABLE:

- A. Pull register pin out of register by operating register lever 1500-25.
- B. Loosen table clamp knob.
- C. Set table to the desired angle by turning table adjustment knob.
- D. Tighten table clamp knob.

### TO ADJUST BEARINGS OF VERTICAL SHAFT:

- A. While machine is running, loosen two hex head screws on locking bar.
- B. Adjust bearings to suit by turning bearing adjustment screws (plastic heads).
- C. Tighten hex head screws.

SPEED OF MACHINE is adjusted by turning speed control crank 1500-39. Speed can be changed only while machine is running. Infinite changes within the range of 210 to 470 strokes per minute may be obtained. Oil all moving parts daily.



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