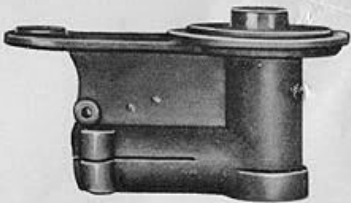


HARVEY MANUFACTURING CORP. • 161 GRAND ST., NEW YORK 13, N. Y.

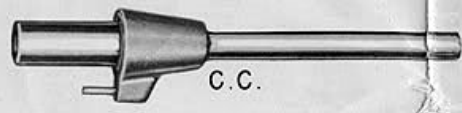
LIST OF PARTS FOR ALL MODELS OF BUTTERFLY FILING AND SAWING MACHINES
 WHEN ORDERING REPLACEMENT PARTS—GIVE MODEL AND SERIAL NUMBER OF MACHINE



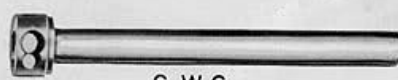
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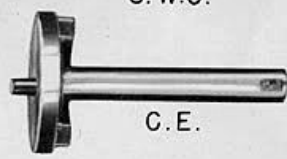
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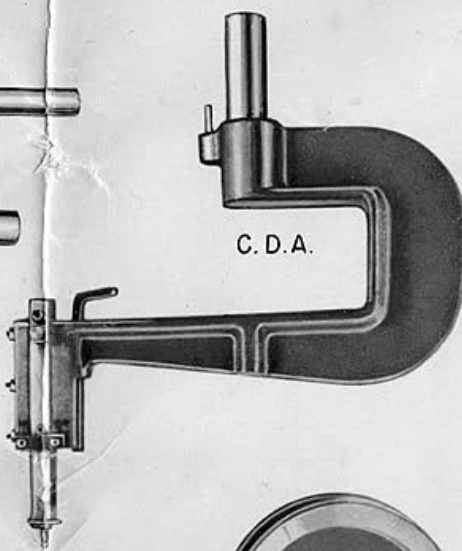
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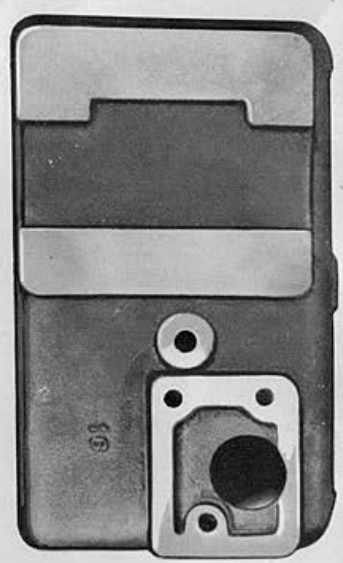
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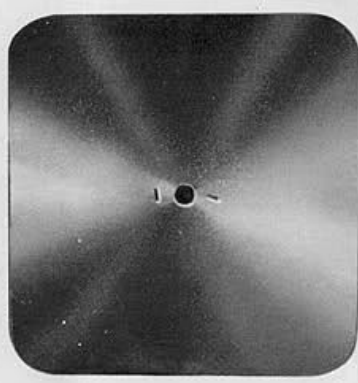
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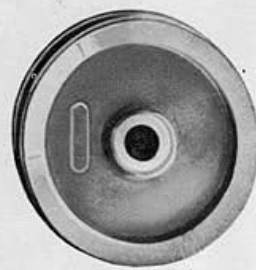
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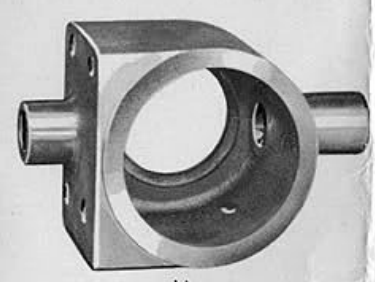
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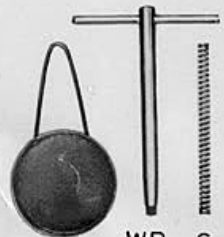
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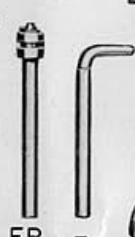
L.P.



H



O.P.



W.R.



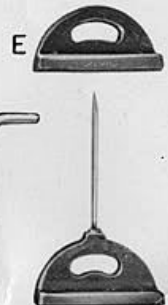
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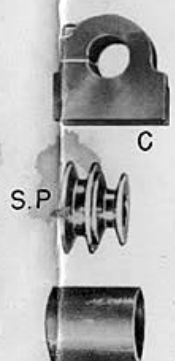
F.R.



F



E.W.I.



S.P.



M.S.



B



B.C.

- HSA HEAVY SIDEARM
- CB COMPLETE BASE
- H HOUSING
- SA SIDEARM
- G GUARD
- OP OIL PAN
- CC COMPLETE CONE

- SWC SPINDLE WITH CHUCK
- CE COMPLETE ECCENTRIC
- T TABLE
- WR WRENCH
- S SPRING
- FR FINGER WITH ROLLER
- F FINGER

- E EAR
- EWI EAR WITH INDICATOR
- COA COMPLETE OVERARM
- LP LARGE PULLEY
- SP SMALL PULLEY
- A APRON
- P PIN

- MS MAIN SCREW
- B BRACKET
- BC BRONZE CROSSHEAD
- SS SIDE SCREW
- CS COMPLETE SLIDE
- R ROLLER
- J JAWS
- C CLAMP

HARVEY MANUFACTURING CORPORATION

MANUFACTURERS OF BUTTERFLY DIE FILING MACHINES AND SURFACE GRINDERS

ASSOCIATE COMPANIES

GERMANOW-SIMON MACHINE CO., INC. • ROCHESTER, N. Y.
G-S FLEXO CRYSTAL FITTING MACHINES, CRYSTALS FOR WATCHES,
CLOCKS, GAUGES, INSTRUMENTS

TEL-TRU MANUFACTURING CO. - ROCHESTER, N. Y.
THERMOMETERS, BAROMETERS, CUTLERY, AUTO MIRRORS
LUCITE BATHROOM ACCESSORIES

FACTORY

45-34 COURT SQUARE
LONG ISLAND CITY, N. Y.

MAIN OFFICE FOR ALL ASSOCIATES

408 ST. PAUL STREET
ROCHESTER, N. Y. 14605

ASSOCIATE COMPANIES

HUB MACHINE CO. • ROCHESTER, N. Y.
PRECISION BALL BEARING WHEEL HUBS FOR
RACING SULKIES, FARM CARTS

CAST OPTICS CORP. • HACKENSACK, N. J.
RIGID ACRYLIC PLASTIC SHEETS FOR AIRCRAFT,
MOTOR BOAT INDUSTRY, SIGNS

PLEASE REPLY TO: ROCHESTER, N. Y.

OPERATING INSTRUCTIONS FOR ALL MODEL DIE FILING MACHINES.

A few of the many users of our machines:

UNITED STATES NAVY
UNITED STATES NAVAL
AIRCRAFT FACTORIES
U. S. MARINE CORPS
UNITED STATES MINT
UNITED STATES ATOMIC
ENERGY COMMISSION
REMINGTON ARMS CO.
MARBLE ARMS & MFG. CO.
BOEING AIRCRAFT COMPANY
FLEETWINGS (Aircraft)
LUSCOMBE AIRPLANE CORP.
LINDE AIR PRODUCTS CO.
BENDIX AVIATION CORP.
BREWSTER AIRCRAFT CORP.
LOCKHEED AIRCRAFT CORP.
MacKENZIE AIR SERVICE
GRUMMAN AIRCRAFT
VEGA AIRCRAFT CORP.
PRATT & WHITNEY
BETHLEHEM STEEL CORP.
CARNEGIE ILL. STEEL CO.
ALUMINUM CO. OF AMERICA
AMERICAN BRASS CO.
ANACONDA COPPER CO.
CHASE BRASS CO.
GENERAL ELECTRIC CO.
N. Y. SHIPBUILDING CO.
KAISER SHIPYARDS
CRAMP SHIPYARDS
FEDERAL TEL. & RADIO CORP.
BELL TELEPHONE CORP.
BALDWIN LOCOMOTIVE WKS.
GENERAL MOTORS CORP.
GOODYEAR TIRE AND RUBBER
PACKARD MOTOR CAR CO.
R. C. A. MFG. CO.
ALLIS-CHALMERS MFG. CO.
DOHLER DIE CASTING CO.
DICTAPHONE CORP.
FORD INSTRUMENT CO.
EASTMAN KODAK
SPERRY GYROSCOPE CO.
E. I. du PONT de NEMOURS & CO.
INTERNATIONAL HARVESTER CO.
BENRUS WATCH CO.
PIONEER WATCH CASE CO.
BULOVA WATCH CO.
STAR WATCH CASE CO.
GRUEN WATCH CASE CO.
INTERNATIONAL SILVER CO.

POSITION MACHINE ON FLAT SURFACE TO PREVENT DISTORTION.

PASS BOLT THROUGH HOLE IN BASE AND TIGHTEN SECURELY. CAUTION: DO NOT
OVER TIGHTEN.

KEEP MOTOR WELL OILED. ONCE A DAY FILL SPRING CUP LOCATED NEAR LARGE
PULLEY.

WHEN MACHINE IS STOPPED, CHECK SIGHT WINDOW IN HOUSING TO MAINTAIN OIL
LEVEL.

USE #30 OIL.

OPERATING MACHINE WITHOUT FILE SUPPORT

POSITION TABLE AT "0" SETTING.

TURN LARGE PULLEY UNTIL CHUCK IS AT BOTTOM OF STROKE.

INSERT FILE IN CHUCK WITH TEETH DOWN AND CLAMP.

TURN LARGE PULLEY UNTIL CHUCK IS AT TOP OF STROKE.

FILE SHOULD PROJECT APPROXIMATELY 1/4" ABOVE WORK TO BE FILED.

SQUARE FILE TO TABLE.

OPERATING MACHINE WITH FILE ROLLER SUPPORT

POSITION TABLE AT "0" SETTING.

TURN LARGE PULLEY UNTIL CHUCK IS AT BOTTOM OF STROKE.

INSERT FILE IN CHUCK WITH TEETH DOWN AND CLAMP.

TURN LARGE PULLEY UNTIL CHUCK IS AT TOP OF STROKE.

FILE SHOULD PROJECT APPROXIMATELY 1/4" ABOVE ROLLER.

SQUARE FILE TO TABLE.

INSERT FILE ROLLER SUPPORT IN MACHINE WITH STOP PIN AGAINST ADJUSTABLE
SCREW.

POSITION HOLD DOWN FINGER ON WORK AND ROLLER AGAINST FILE.

ROLLER IS SOFT AND WILL NOT DAMAGE FILE.

FILE ROLLER ASSEMBLY MAY BE MOVED TO REMOVE AND CHECK WORK.

FILING AND SAWING WITH OVERARM

TURN LARGE PULLEY UNTIL CHUCK IS AT BOTTOM OF STROKE.

INSERT FILE OR SAW IN CHUCK WITH TEETH DOWN AND CLAMP.

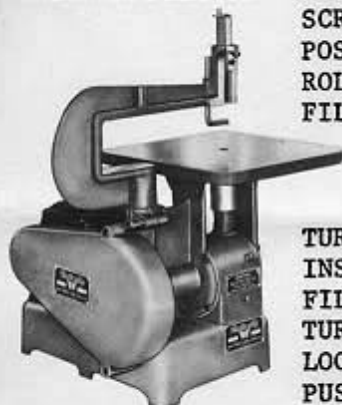
FILE OR SAW SHOULD PROJECT APPROXIMATELY 3/4" ABOVE WORK.

TURN LARGE PULLEY UNTIL CHUCK IS AT TOP OF STROKE.

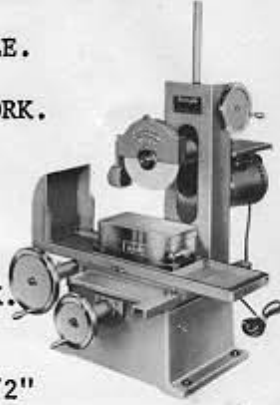
LOOSEN CLAMP ON OVERARM SLIDE.

PUSH SLIDE DOWN UNTIL CLAMP ENGAGES FILE OR SAW ABOUT 1/2"

TIGHTEN CLAMP.



Butterfly FILING MACHINE



Butterfly SURFACE GRINDER

Named "BUTTERFLY" because it is as noiseless in its running as a Butterfly is in its flying. (Reg. U. S. Pat. Off.)

HARVEY MANUFACTURING CO.
SUBSIDIARY Germanow-Simon Machine Co., Inc.

MAIN OFFICES
408 St. Paul St.
Rochester, N.Y. 14605

FACTORY AND SHIPPING DEPT.
45-34 Court Square
Long Island City, N.Y. 11101

INDUSTRIAL CONSUMER
PRICE LIST OF 8" PARALLEL MACHINE FILES AND SAWS
FOR BUTTERFLY FILING MACHINES

AS OF MARCH 1, 1969

<u>ROUND</u>	<u>PER DOZEN</u>	<u>EACH</u>	<u>PIPPIN</u>	<u>PER DOZEN</u>	<u>EACH</u>
3/16"	\$20.50	\$1.75	19/64 x 5/32"	\$38.00	\$3.25
1/4"	21.50	1.85			
5/16"	22.50	2.10	<u>OVAL</u>		
3/8"	24.50	2.15	11/32" x 9/64"	38.00	3.25
1/2"	29.00	2.55			
			<u>KNIFE</u>		
<u>HALF ROUND</u>			15/32" x 1/8"	34.00	2.95
3/16" x 7/64"	30.00	2.60			
1/4" x 7/64"	31.00	2.65	<u>LOZENGE</u>		
3/8" x 9/64"	31.50	2.70	11/32" x 17/64"	41.50	3.60
1/2" x 11/64"	34.50	3.00			
5/8" x 13/64"	38.50	3.40	<u>CANT</u>		
			3/8" x 3/16"	36.00	3.10
<u>PILLAR</u>			<u>EQUALLING</u>		
3/18" x 3/32"	22.50	2.00	3/8" x 1/16"	25.00	2.15
1/4" x 1/8"	23.50	2.05			
3/8" x 3/16"	24.50	2.15			
1/2" x 1/4"	27.00	2.35	<u>COMPLETE ASSORTMENTS OF FILES</u>		
5/8" x 5/16"	29.00	2.55	3/16" (1 ea. of 12 different styles)		30.60
			1/4" (1 ea. of 12 different styles)		30.85
3/4" x 3/8"	32.00	2.75	3/8" (1 ea. of 12 different styles)		31.75
<u>THREE SQUARE</u>			1/2" (1 ea. of 12 different styles)		33.15
3/16"	28.50	2.55	5/8" (1 ea. of 9 different styles)		25.90
1/4"	29.00	2.55			
3/8"	32.50	2.75	<u>BENCH FILING MACHINE FILES</u>		
1/2"	34.00	2.95	(Assorted sets of 12)		
			1/4" x 3-1/4" Type "A"		19.00
<u>SQUARE</u>			1/8" x 3-1/4" Type "B"		19.00
1/8"	29.00	2.55			
3/16"	29.00	2.55	<u>METAL CUTTING SAWS</u>	<u>PER DOZEN</u>	<u>EACH</u>
1/4"	29.00	2.55	1/8"	\$6.00	0.55
3/8"	30.50	2.70	3/16"	6.00	0.55
1/2"	34.00	2.95	1/4"	6.00	0.55
			3/8"	6.00	0.55
<u>CROCHET</u>					
3/16 x 1/16"	34.00	2.95			
3/16" x 3/32"	34.00	2.95			
1/4" x 1/8"	34.00	2.95			
3/8" x 3/16"	35.00	3.05			
1/2" x 1/4"	37.00	3.25			

Replacement parts for Butterfly Die Filing Machines available direct from factory.

00, and 2 cuts carried. Specify cut when ordering.

Terms: net 10 days, from date of invoice FOB Factory, L.I. City, N.Y.

Immediate delivery from stock

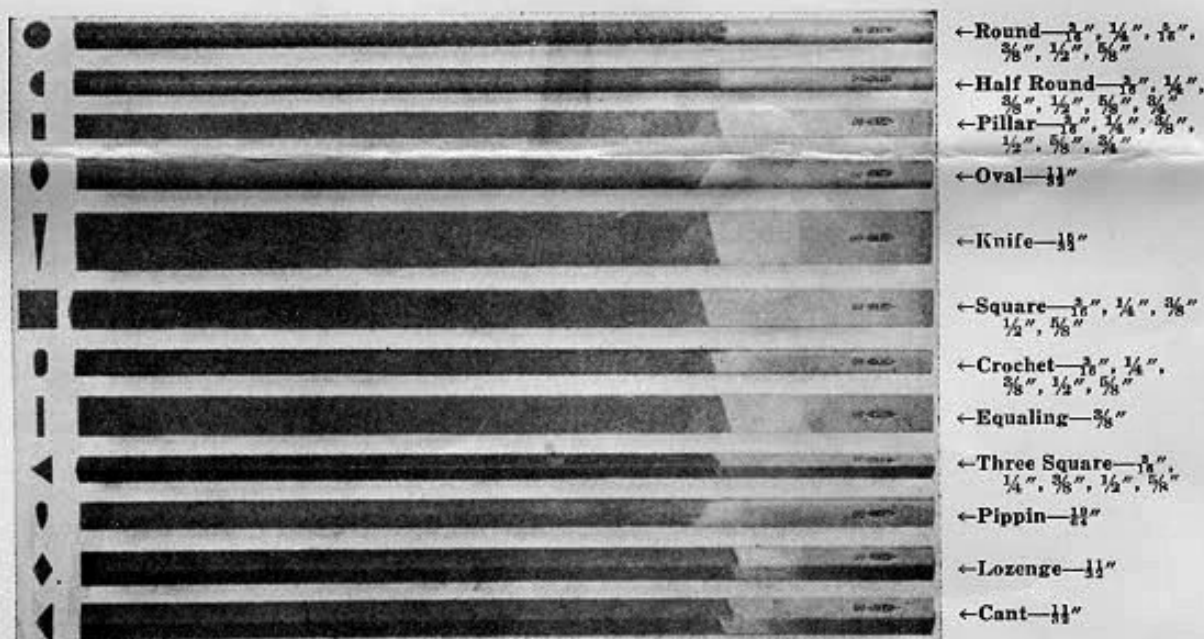
Prices subject to change without notice. 2.

8" PARALLEL MACHINE FILES

8" Parallel Machine Files are made for the "Butterfly" Filing Machines in twelve different shapes as illustrated, 8" over-all and in cuts Nos. 00 (coarse), 0 (medium) designed to file on the downward stroke.

Supplied in assortments or in any quantity of any shape and size.

PLEASE DO NOT FAIL TO SPECIFY WHAT CUTS ARE DESIRED.



3 1/4" BENCH FILING MACHINE FILES



Bench Filing Machine Files are designed to cut on downward stroke and are for use in machines for filing dies and patterns. They are 3 1/4" over-all and have 1/4" or 1/8" Round shanks. Made in twelve different shapes as illustrated.

These 3 1/4" files may be purchased only in complete sets of 12 assorted files. Supplied in cuts Nos. 00 (coarse), 0 (medium) and 2 (fine).

METAL CUTTING SAWS

For plain cutting, use ordinary hack-saw blade, high speed or carbon steel, according to requirements.

Our special saws have hard teeth, soft backs, .025" thick. Teeth per inch: 18.

Width of saws: 1/8", 1/8", 1/4", 3/8", x 7 1/2" long.

PRICES ON REQUEST

HARVEY MANUFACTURING CO.
 SUBSIDIARY GERMANOW-SIMON MACHINE CO. INC.
 45-34 COURT SQUARE, LONG ISLAND CITY 1, N. Y.