DEPARTMENT
OF THE ARMY TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL INCLUDING REPAIR PARTS LIST

FOR

SAW, POWER HACK
(DON G JENNESS CO, INC)
(3405-00-729-3917)

HEADQUARTERS,
DEPARTMENT OF THE ARMY

MARCH 1978

Technical Manual

No. 9-3405-209-14&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 30 March 1978

Operator, Organizational, Direct Support and General Support Maintenance Manual Including Repair Parts List

for

SAW, POWER HACK, MODEL 3 HY DUTY
(NSN 3405-00-729-3917)

REPORTING OF ERRORS

You can help improve this manual by calling attention to errors and by recommending improvements and by stating your reasons for the recommendations. Your letter or DA Form 2028-2 (Recommended Changes to Publications and Blank Forms) should be mailed direct to Commander, US Army Armament Materiel Readiness Command, ATTN: DRSAR-MAS, Rock Island, IL 61299. A reply will be furnished direct to you. For your convenience, preaddressed DA Form 2028-2's are included as final pages of this manual.

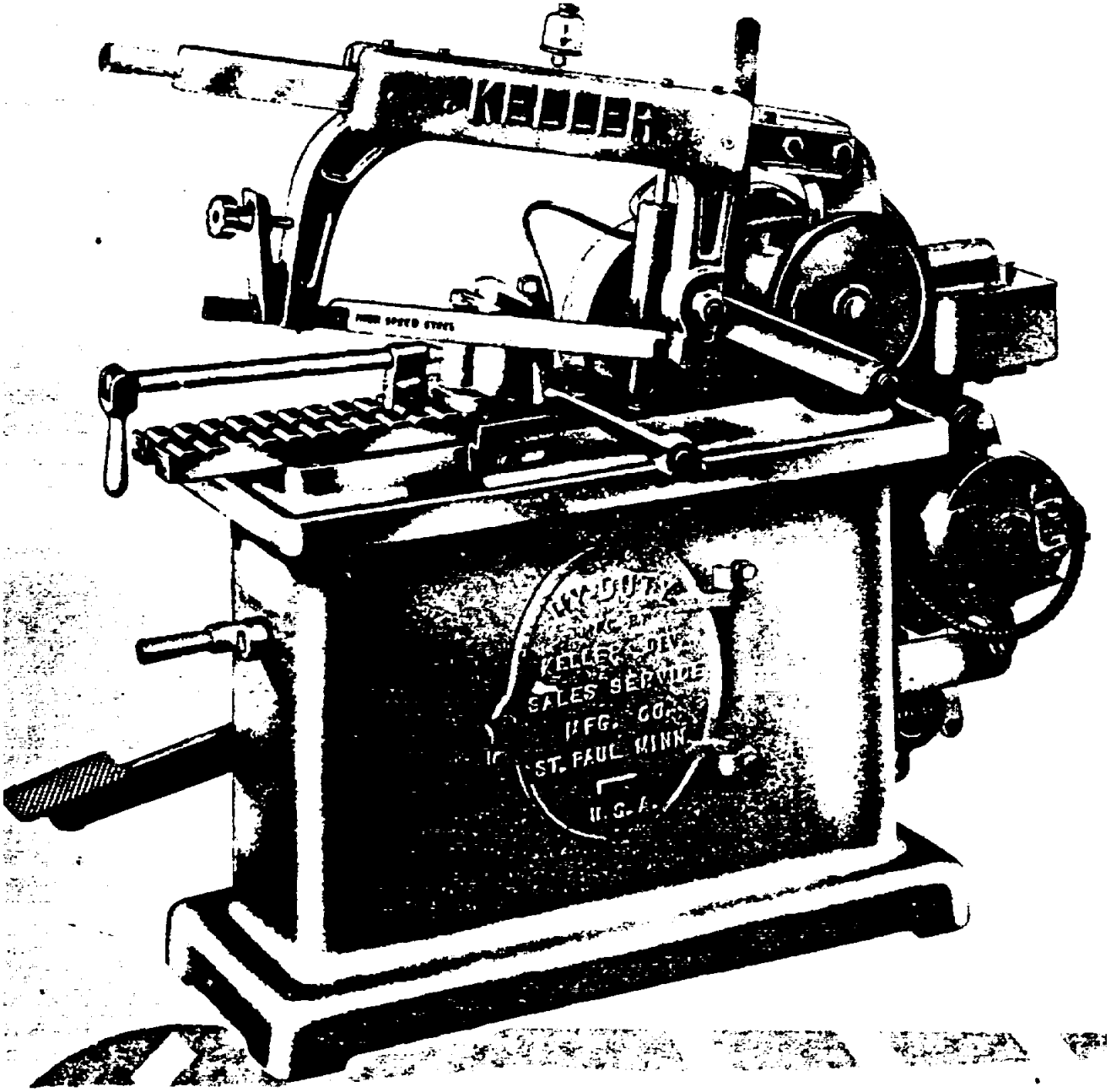
	Page
Operating instructions	2
Power hack saw blades	3
Repair parts	6

NOTE

This manual is published for the purpose of identifying an authorized commercial manual for the use of the personnel to whom the saw is issued.

Manufactured by: Don G. Jenness Co., Inc.
3010 E. Olympic Blvd.
Los Angeles, CA 90023

Procured under Contract No: DAAA09-76-M-6043


KELLER
KELLER DEV.
SALES SERVICE
MFG. CO.
ST. PAUL, MINN.
U. S. A.

OPERATING INSTRUCTIONS

The model 3 Hack Saw is an extremely simple machine to operate. However, there are just a few general Instructions which should be followed. All Saws are completely wired, ready to run. However, when connecting reversible motors, be sure crank disc Is revolving In counter-clockwise direction. Oil each hole daily except the motor. Do not drop the saw blade on the work.

HYDRAULIC LIFT ADJUSTMENT

Before using machine for the first time, fill Hydraulic Lift Tank to proper oil level as indicated on decal. Use No. 10 Non-Detergent Motor Oil. Run machine 15 to 20 minutes to work the air out of the Hydraulic Lift System.

- **To INCREASE Lift: Lengthen Push Rod with the two jam nuts on cam or eccentric lever.**

- **CAUTION : DO NOT lengthen too far as plunger will bottom on cylinder. The lift should not exceed 1,/-inch at handle end of guide bar.**

- **TO DECREASE Lift: Reverse the Procedure to shorten push rod.**

ADJUSTABLE BRONZE GIBS. Guide bar operates on bronze gibs in saw frame. Gibs may be adjusted by take-up screws in the saw frame to compensate for wear and to maintain proper alignment. The bronze gibs are easily and inexpensively replaced.

TEN HOUR CHECK. After the new saw has been in operation for about ten hours, the bronze gibs should be tightened to compensate for normal wear in the machine.

HYDRAULIC LIFT is standard equipment on all model 3 Power Hack Saws. This hydraulic lift mechanism automatically lifts blade on return stroke. Blades last longer, run cooler and cut better.

VARIABLE FEED PRESSURE CONTROL. Turn knob clockwise to increase feed pressure for heavy bar stock, etc., and turn counter-clockwise for sawing thinwall, tubing, softer metals, etc. On cabinet base HY Duty models, the maximum feed pressure is 200 lbs. CAUTION : Do not apply excessive pressure to work. Few jobs require over 150 lbs. working pressure. For maximum cutting efficiency, select the correct sawing combination.

The pressure Feed Control is located on the front of the hack saw.

FOR ANGLE CUTTING. Simply swivel the vise up to 4S-degrees and tighten, or use an Angle Vise Block which automatically provides a 45 degree angle.

VARI-SPEED DRIVE provides infinite adjustment of cutting speed from 65 to 170 strokes per minute.