



REPAIR PARTS

BOOK FOR

“Buffalo”

UNIVERSAL IRON WORKERS

BUFFALO FORGE COMPANY

Buffalo

New York

Canadian Blower & Forge Co., Ltd. Kitchener, Ont.

IMPORTANT! READ THIS FOREWORD

This little book has been compiled to assist you in ordering repair parts for your Buffalo Universal Ironworker. Its purpose is to enable you to identify by name and part number the particular piece you need. However, in the preparation of such a book we have encountered several difficulties which must be overcome as simply and directly as possible.

In the first place, there are five sizes of Ironworkers, therefore, it was decided to show parts which are representative of the identical parts on all the sizes. Furthermore, only those parts which are subject to replacement have been shown on our parts list.

In ordering repairs, follow closely the Instructions given below:

INSTRUCTIONS FOR ORDERING REPAIR PARTS FOR BUFFALO UNIVERSAL IRONWORKERS

1. Specify on your order:

1. Part number and name (from Repair parts list and picture)
Example: "No. 37 Stripper Screw for Angles"
2. Size number of Ironworker.
Example: "No. 1/2 U.I.W." (Universal Ironworker)
3. Serial number of machine
Example: 36-Z-16016
4. If part you desire is not shown by picture or part number, such as a bushing, for example, then specify as follows:
"Bushing for Part No. 22"
or
"Screw for Part No. 18"
5. When ordering punches or dies, be sure to specify punch size. Allowance will be made for die clearance.

If part picture does not look exactly like your part, please realize that it has been impossible to show in this book every variation in design on the entire line of five sizes of Ironworkers. If the part looks similar enough to indicate that its use must be the same as yours, its part number, together with the serial number and size of your machine will be sufficient for us to identify the part satisfactorily.

REPAIR PARTS LIST

- No. 1 - Plunger Cover - Punch End
- No. 2 - Plunger Cover - Punch End (For Built-In-Notcher)
- No. 3 - Punch Plunger (Without Built-In-Notcher)
- No. 4 - Punch Plunger (With Built-In Notcher)
- No. 5 - Punch Plunger Guide (Without Built-In Notcher)
- No. 6 - Punch Plunger Guide (With Built-In Notcher)
- No. 7 - Special Upper Shear Knife for Flats
- No. 8 - Handwheel for Floating Head
- No. 9 - Pin for Ram & Eyebolts
- No. 10 - Adjusting Screw for Punch Plunger Gib
- No. 11 - Punch Ram (For Large Sizes)
- No. 12 - Punch Ram (For Small Sizes)
- No. 13 - Socket for Punch
- No. 14 - Die Block (Single)
- No. 15 - Die Block (For Triple Punching Tools)
- No. 16 - Stop Screw for Punch Block
- No. 17 - Block (Upper) for Punch
- No. 18 - Pawl Latch
- No. 19 - Stripper for Triple Punching Attachment
- No. 20 - Stripper for Single Punch
(Specify if for High or Low Die Block)
- No. 21 - Middle Die Holder - Triple Punch Attachment
- No. 21A - Outside Die Holder - Triple Punch Attachment
- No. 22 - Rocker Arm for Punch
- No. 23 - Punch Block
- No. 24 - Gag Holder for Triple Punch Tools
- No. 25 - Single Punch Holder
- No. 25A - Gag-Block for Single Punch Tools
- No. 26 - Retainer Bar for King Pin
- No. 27 - Link for Block (Inside)
- No. 28 - Bracket for Pedal
- No. 29 - Inside Lever for Block
- No. 30 - Jaw Hub for Handwheel
- No. 31 - Adjustable Wedge for Punch Plunger
- No. 32 - Adjustable Spring Plug for Punch Plunger
- No. 33 - Pawl for Punch Plunger
- No. 34 - Plunger Stop for Float. Head Punch
- No. 35 - Spring for Punch Plunger
- No. 36 - Spring Cap for Punch Plunger Spring
- No. 37 - Fork for Foot Pedal Linkage
- No. 38 - Pin for Handwheel
- No. 39 - Punch Holder for Triple Punch Tools
- No. 40 - Bell Crank for Foot Pedal
- No. 41 - Pin for Pawl
- No. 42 - Shaft for Levers - Foot Pedal
- No. 43 - Shaft for Levers & Counterweight

REPAIR PARTS LIST (CONT'D)

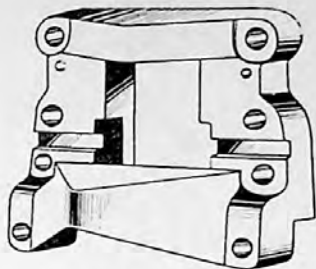
- No. 44 - Counterweight for Punch Block
- No. 45 - Shoulder Screw for Pedal
- No. 46 - Clamping Screw for Punch Stripper
- No. 47 - Eye Bolts for Punch Rocker Arm
- No. 48 - Eye Bolt for Die Block
- No. 49 - Pin for Punch Plunger
- No. 50 - King Pin for Punch Rocker Arm
- No. 51 - Link for Punch Rocker Arm
- No. 52 - Ram for Barcutter
- No. 53 - Bushing for Barcutter Ram
- No. 54 - Double Washer for Knife E
- No. 55 - Eccentric Shaft
- No. 56 - Main Bearing Housing - Front
- No. 57 - Main Bearing Bushing - Front
- No. 58 - Main Bearing Housing - Rear
- No. 59 - Main Bearing Bushing - Rear
- No. 60 - Washer for Flywheel Shaft
- No. 61 - Special Cap Screw for Flywheel Shaft Washer
- No. 62 - Front Stud for Spring Washer - B. C.
- No. 63 - Rear Stud for Spring Washer - B. C.
- No. 64 - Upper Spring Washer - B. C.
- No. 65 - Ram for Built-In Coper or Notcher on Shear End
- No. 66 - Lower Spring Cap - B. C.
- No. 67 - Ram Block for Barcutter Plunger
- No. 68 - Clamp for Barcutter Block
- No. 69 - Sheave for Chain Arrangement
- No. 70 - Eye Bolt for Barcutter Spring
- No. 71 - Spring for Barcutter Plunger
- No. 72 - Liner for Main Frame
- No. 73 - Special Fillister Head Screw for Main Frame Liner
- No. 74 - Gib for Barcutter Plunger
- No. 75 - Adjusting Screw for Gib for B. C. Plunger
- No. 76 - Stud for Barcutter Ram Chain Arrangement
- No. 77 - Swivel for Chain Arrangement
- No. 78 - Hook Bolt for Chain Arrangement
- No. 79 - Trip Lever for Chain Arrangement for Shear & Barcutter
- No. 80 - Special Screw for Trip Lever
- No. 81 - Special Shoulder Screw for Swivel - Chain Arrangement
- No. 82 - Bracket for Lever for Chain Arrangement
- No. 83 - Stripper for Mitering
- No. 84 - Angle Mitering Block
- No. 85 - Stop Pin for Mitering
- No. 86 - Support for Angles
- No. 87 - Stripper Screw for Angles & Tees
- No. 88 - Lock Screw for Mitering Stripper
- No. 89 - Lock Pin for Stripper Screw Holder
- No. 90 - Washer for Lock Screw

REPAIR PARTS LIST (CONT'D)

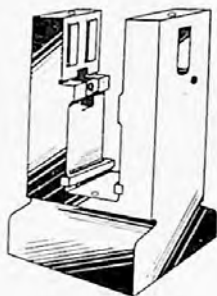
- No. 91 - Lower Knife Holder for Barcutter
- No. 92 - Stripper Screw Nut for Angles
- No. 93 - Stripper Screw Holder for Angles
- No. 94 - Pin and Cam for Plunger Stop (Barcutter)
- No. 95 - Pivot Pin for Barcutter Plunger (With Link)
- No. 96 - Stripper for Barcutter
- No. 97 - Driving Gear for Shear Stripper
- No. 98 - Driven Gears for Shear Stripper
- No. 99 - Stripper Housing - Shear Stripper
- No. 100 - Stripper for Shear
- No. 101 - Handle for Shear Stripper
- No. 102 - Barcutter Plunger with Shear
- No. 103 - Upper Knife Holder for Coper - Shear End
- No. 103A - King Pin For Upper Knife Holder for Coper - Shear End
- No. 104 - Upper Knife Holder for Notcher - Shear End
- No. 104A - King Pin For Upper Knife Holder for Notcher - Shear End
- No. 105 - Lower Die Holder for Coper - Shear End
- No. 106 - Lower Die Holder for Notcher - Shear End
- No. 107 - Intermediate Shaft (Large Machine)
- No. 108 - Intermediate Bearing (Large Machine)
- No. 109 - Flywheel Shaft
- No. 110 - Flywheel (V-Belt Drive)
- No. 111 - Trunion Support for Flywheel Shaft (Small Machine)
- No. 112 - Flywheel Bearing (Large Machine)
- No. 113 - Bushing for Main Pinion
- No. 114 - Pinion (Main)
- No. 115 - Pinion (Intermediate)
- No. 116 - Gear (Main)
- No. 117 - Gear (Intermediate)
- No. 118 - Adjustable Depth Gauge for Coper or Notcher (See Assembly Drawing)
- No. 119 - Low Die Block for #0-#1-#2 and #2½ V.I.W.s
- No. 120 - High Die Block for #0-#1-#2-#2½ V.I.W.s
- No. 121 - Special Die Block for Webs for 3", 4" and 5" IBs and Cs
- No. 122 - Left Hand Knife Clamp for #0-V.I.W. only
- No. 123 - Right Hand Knife Clamp for #0-V.I.W. only
- No. 124 - Old Style Notcher Punch
- No. 125 - Old Style Notcher Die



NO. 1 PLUNGER COVER - PUNCH END



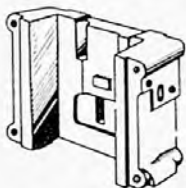
NO. 2 PLUNGER COVER
BUILT-IN-NOTCHER



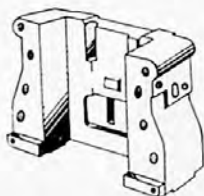
NO. 3 PUNCH PLUNGER *FLOATING HEAD
FOR U.I.W. WITHOUT BUILT-IN-NOTCHER



NO. 4 PUNCH PLUNGER
(With Built-in-Notcher)



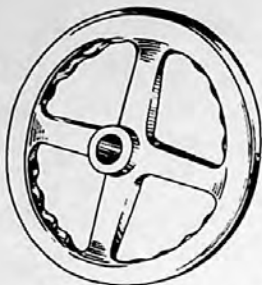
NO. 5 PUNCH PLUNGER GUIDE FOR FLOATING HEAD
(Without Built-in-Notcher)



NO. 6 PUNCH PLUNGER GUIDE
(With Built-in-Notcher)



NO. 7 SPECIAL UPPER SHEAR KNIFE FOR FLATS



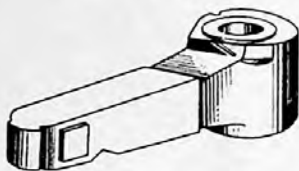
NO. 8 HANDWHEEL FOR PUNCH FLOATING HEAD
(SEE NO. 30 FOR JAW HUB)



NO. 9 PIN FOR RAM EYE BOLTS



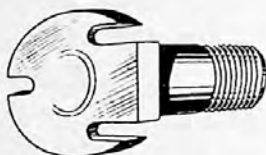
NO. 10 ADJUSTING SCREW FOR GIB FOR PLUNGER



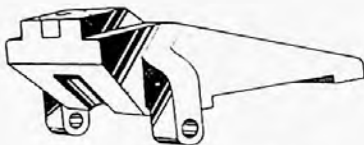
NO. 11 PUNCH RAM



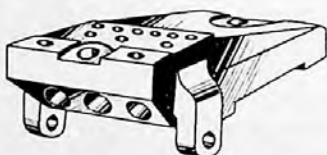
NO. 12 PUNCH RAM FOR SMALL SIZES



NO. 13 SOCKET FOR PUNCH
(FOR SINGLE PUNCHES ONLY)



NO. 14 DIE BLOCK
(FOR NO. $\frac{1}{2}$ AND NO: $1\frac{1}{2}$ V.I.W.)
(SEE NOS. 119, 120 AND 121 FOR
DIE BLOCKS ON OTHER V.I.W.s)



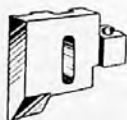
NO. 15 DIE BLOCK FOR TRIPLE PUNCHING TOOLS



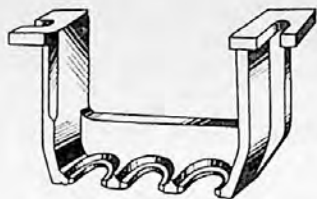
NO. 16 STOP SCREW FOR PUNCH BLOCK



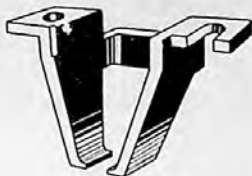
NO. 17 BLOCK (UPPER) P



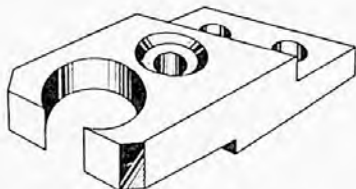
NO. 18 PAWL LATCH



NO. 19 STRIPPER FOR TRIPLE PUNCHING ATTACHMENT



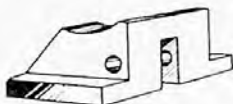
NO. 20 STRIPPER FOR SINGLE PUNCH
(SPECIFY IF FOR HIGH OR LOW DIEBLOCK)



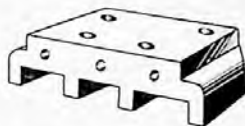
NO. 21 MIDDLE DIE HOLDER - TRIPLE PUNCH ATT.
NO. 21A OUTSIDE DIE HOLDER - TRIPLE PUNCH ATT.



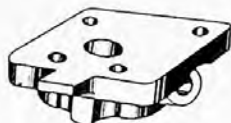
NO. 22 ROCKER ARM FOR PUNCH



NO. 23 PUNCH BLOCK



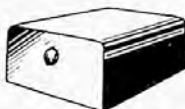
NO. 24 GAG HOLDER FOR TRIPLE PUNCHING TOOLS



NO. 25 SINGLE PUNCHHOLDER



NO. 26 RETAINER BAR FOR KING PIN



NO. 25A GAG-BLOCK FOR SINGLE PUNCH TOOLS (1-REQ'D)
FOR TRIPLE PUNCH TOOLS (3-REQ'D)



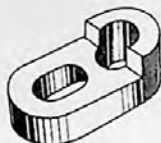
NO. 27 LINK FOR BLOCK (INSIDE)



NO. 28 BRACKET FOR PEDAL



NO. 29 INSIDE LEVER FOR BLOCK



NO. 30 JAW HUB FOR HANDWHEEL



NO. 32 ADJUSTABLE SPRING PLUG FOR PUNCH PLUNGER



NO. 31 ADJUSTING WEDGE FOR PUNCH PLUNGER



NO. 33 PAWL FOR PUNCH PLUNGER



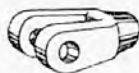
NO. 34 PLUNGER STOP FOR H. W. TYPE FLOATING HEAD



NO. 35 SPRING FOR PUNCH PLUNGER



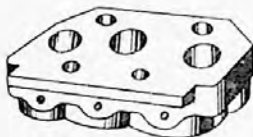
NO. 36 SPRING CAP FOR PUNCH PLUNGER SPRING



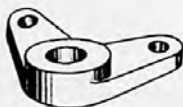
NO. 37 FORK FOR FOOT PEDAL LINKAGE



NO. 38 PIN FOR HANDWHEEL



NO. 39 PUNCH HOLDER FOR TRIPLE PUNCHING TOOLS



NO. 40 BELL CRANK FOR FOOT PEDAL



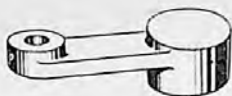
NO. 41 PIN FOR PAWL



NO. 42 SHAFT FOR LEVERS - FT. PEDAL



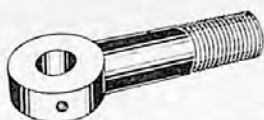
NO. 43 SHAFT FOR LEVERS AND CTR. WT.



NO. 44 COUNTERWEIGHT FOR P BLOCK



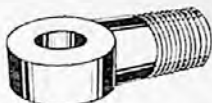
NO. 45 SHOULDER SCREW FOR PEDAL



NO. 47 EYEBOLTS FOR PUNCH ROCKER ARM



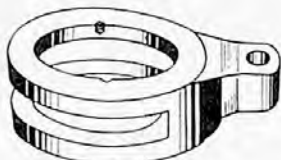
NO. 46 CLAMPING SCREW FOR PUNCH STRIPPER



NO. 48 EYEBOLT FOR DIEBLOCK



NO. 49 PIN FOR PUNCH PLUNGER



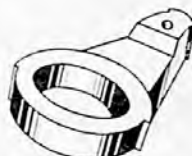
NO. 51 LINK FOR PUNCH ROCKER ARM



NO. 50 KING PIN FOR PUNCH ROCKER ARM



NO. 53 BUSHINGS FOR B. C. RAM
(TWO FOR NO. 51)
(ONE FOR NO. 52)



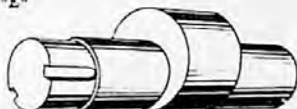
NO. 52 RAM FOR BARCUTTER



NO. 54 DOUBLE WASHER FOR KNIFE "E"
FOR BARCUTTER



NO. 56 MAIN BEARING HOUSING
(FRONT)



NO. 55 ECCENTRIC



NO. 57 BUSHING FOR MAIN BEARING
(FRONT)



NO. 58 MAIN BEARING HOUSING
(REAR)



NO. 59 BUSHING FOR MAIN BEARING (REAR)



NO. 60 WASHER FOR FLYWHEEL SHAFT



NO. 61 SPEC. CAP SCREW FOR FLYWHEEL SHAFT WASHER



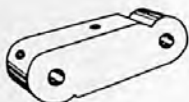
NO. 62 FRONT STUD FOR SPRING WASHER



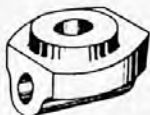
NO. 63 REAR STUD FOR SPRING WASHER



NO. 64 UPPER SPRING WASHER FOR SPRING B. C.



NO. 65 RAM FOR BUILT-IN-COPER OR NOTCHER ON SHEAR END



NO. 66 LOWER SPRING CAP



NO. 67 RAM BLOCK FOR BARCUTTER PLUNGER



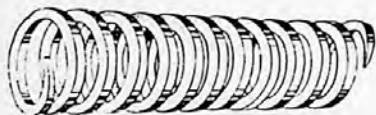
NO. 68 CLAMP FOR BARCUTTER BLOCK



NO. 69 SHEAVE FOR CHAIN ARRANGEMENT



NO. 70 EYE BOLT FOR BARCUTTER SPRING



NO. 71 SPRING FOR B. C. PLUNGER



NO. 72 LINER FOR MAIN FRAME - B. C.



NO. 73 SP. FILL. HD. SCREW FOR M. MILLNER



NO. 74 GIB FOR BARCUTTER PLUNGER



NO. 75 ADJUSTING SCREWS FOR GIB B. C. PLUNGER



NO. 76 STUD FOR BARCUTTER RAM CHAIN ARRANGEMENT



NO. 77 SWIVEL FOR CHAIN ARRANGEMENT



NO. 78 HOOK BOLT FOR CHAIN ARRANGEMENT



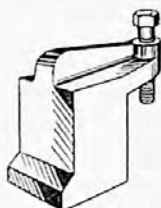
NO. 79 TRIP LEVER FOR SHEAR AND BAR-CUTTER, WITH HANDLE



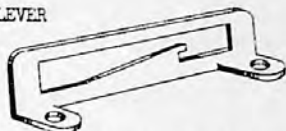
NO. 80 SPEC. SHOULDER SCREW FOR TRIP LEVER



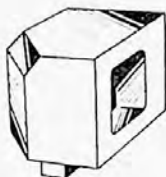
NO. 81 SPEC. SHOULDER SCREW FOR (SWIVEL) CHAIN ARRANGEMENT



NO. 83 STRIPPER FOR MITERING-WITH SCREW



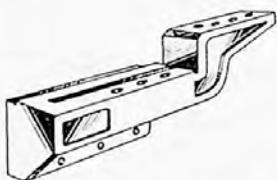
NO. 82 BRACKET FOR LEVER FOR CHAIN ARRANGEMENT



NO. 84 ANGLE MITERING - BLOCK B. C.



NO. 85 STOP PIN FOR MITERING ANGLES



NO. 86 SUPPORT FOR ANGLES



NO. 87 STRIPPER SCREW FOR ANGLES & TEES

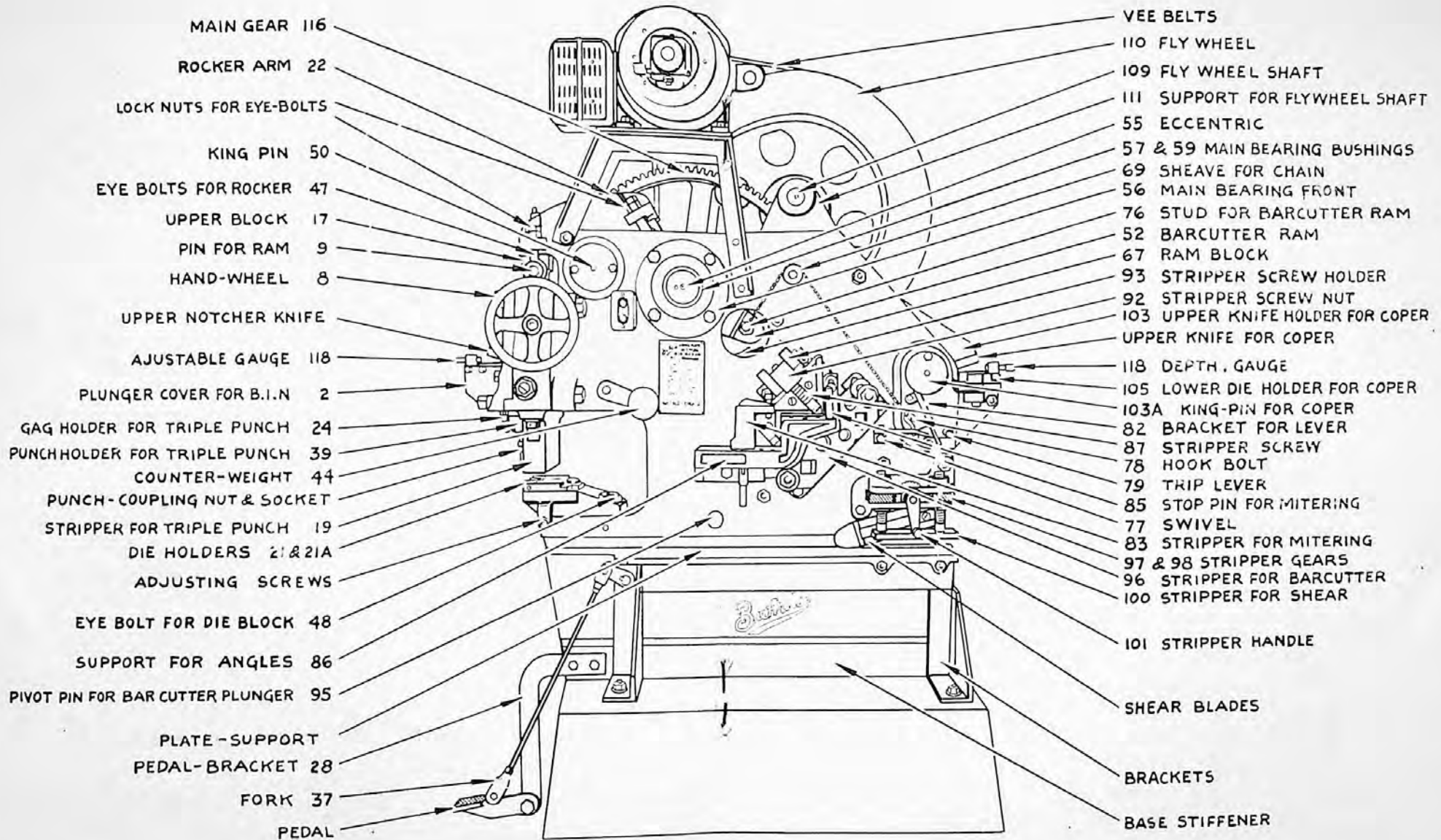


NO. 88 LOCKSCREW FOR MITERING STRIPPER, WITH HANDLE



NO. 89 LOCK PIN FOR STRIPPER SCREW HOLDER

EXTERNAL ASSEMBLY CHART



MAIN GEAR 116

ROCKER ARM 22

LOCK NUTS FOR EYE-BOLTS

KING PIN 50

EYE BOLTS FOR ROCKER 47

UPPER BLOCK 17

PIN FOR RAM 9

HAND-WHEEL 8

UPPER NOTCHER KNIFE

ADJUSTABLE GAUGE 118

PLUNGER COVER FOR B.I.N 2

GAG HOLDER FOR TRIPLE PUNCH 24

PUNCHHOLDER FOR TRIPLE PUNCH 39

COUNTER-WEIGHT 44

PUNCH-COUPLING NUT & SOCKET

STRIPPER FOR TRIPLE PUNCH 19

DIE HOLDERS 21 & 21A

ADJUSTING SCREWS

EYE BOLT FOR DIE BLOCK 48

SUPPORT FOR ANGLES 86

PIVOT PIN FOR BAR CUTTER PLUNGER 95

PLATE-SUPPORT

PEDAL-BRACKET 28

FORK 37

PEDAL

VEE BELTS

110 FLY WHEEL

109 FLY WHEEL SHAFT

111 SUPPORT FOR FLYWHEEL SHAFT

55 ECCENTRIC

57 & 59 MAIN BEARING BUSHINGS

69 SHEAVE FOR CHAIN

56 MAIN BEARING FRONT

76 STUD FOR BARCUTTER RAM

52 BARCUTTER RAM

67 RAM BLOCK

93 STRIPPER SCREW HOLDER

92 STRIPPER SCREW NUT

103 UPPER KNIFE HOLDER FOR COPER

UPPER KNIFE FOR COPER

118 DEPTH GAUGE

105 LOWER DIE HOLDER FOR COPER

103A KING-PIN FOR COPER

82 BRACKET FOR LEVER

87 STRIPPER SCREW

78 HOOK BOLT

79 TRIP LEVER

85 STOP PIN FOR MITERING

77 SWIVEL

83 STRIPPER FOR MITERING

97 & 98 STRIPPER GEARS

96 STRIPPER FOR BARCUTTER

100 STRIPPER FOR SHEAR

101 STRIPPER HANDLE

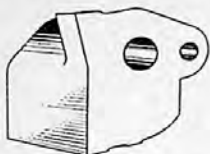
SHEAR BLADES

BRACKETS

BASE STIFFENER



NO. 90 WASHER FOR LOCK SCREW



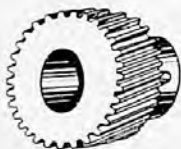
NO. 92 STRIPPER SCREW NUT FOR LS



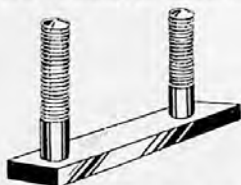
NO. 94 PIN & CAM FOR PLUNGER STOP - B. C.



NO. 95 PIVOT PIN FOR B. C. PLUNGER



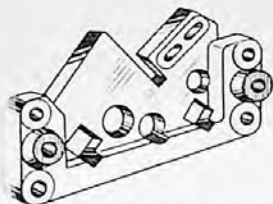
NO. 97 DRIVING STRIPPER GEAR FOR SHEAR
NO. 98 DRIVEN STRIPPER GEARS FOR SHEAR



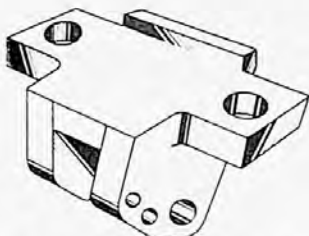
NO. 100 STRIPPER FOR SHEAR



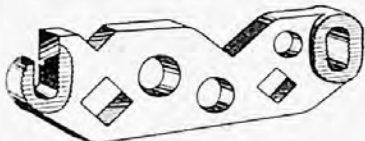
NO. 101 HANDLE FOR SHEAR STRIPPER



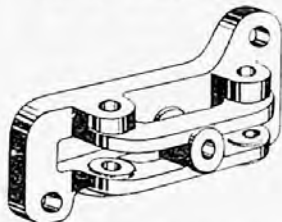
NO. 91 LOWER KNIFE HOLDER FOR B. C.



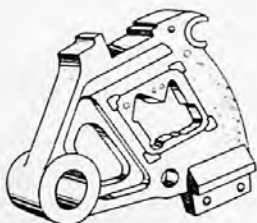
NO. 93 STRIPPER SCREW HOLDER FOR LS



NO. 96 STRIPPER FOR B. C.



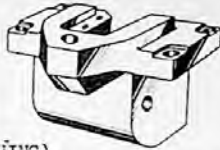
NO. 99 STRIPPER HOUSING FOR SHEAR



NO. 102 PLUNGER B. C. & SHEAR



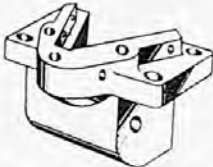
NO. 103 UPPER KNIFE HOLDER
FOR COPER - SHEAR END
(SPECIFY WITH OR WITHOUT BUSHING)



NO. 105 LOWER DIE HOLDER FOR B. I. COPER
SHEAR END



NO. 104 UPPER KNIFEHOLDER
FOR BUILT-IN NOTCHER-SHEAR END
(SPECIFY WITH OR WITHOUT BUSHING)



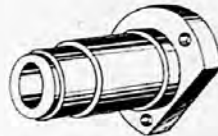
NO. 106 LOWER KNIFE HOLDER FOR B. I.
NOTCHER ON SHEAR END



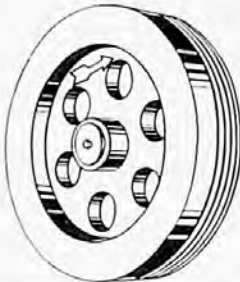
NO. 107 INTERMEDIATE SHAFT (LARGE MACHINES)



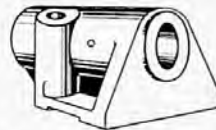
NO. 109 FLYWHEEL SHAFT



NO. 108 INTERMEDIATE BEARING (LARGE SIZE MACHINE)



NO. 110 FLYWHEEL ("V" BELT DRIVE)



NO. 111 TRUNNION SUPPORT FOR FLYWHEEL SHAFT
(SMALL MACHINE)

NO. 112 FLYWHEEL BEARING (LARGE MACHINES)

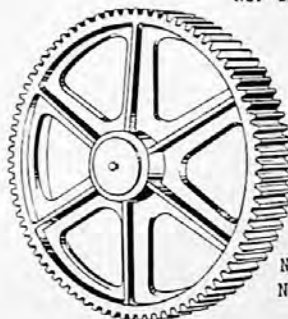


NO. 113 BUSHING FOR PINION



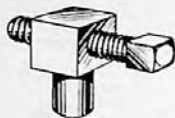
NO. 114 PINION (MAIN)

NO. 115 PINION (INTERMEDIATE)

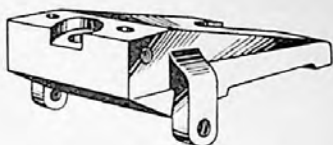


NO. 116 GEAR (MAIN)

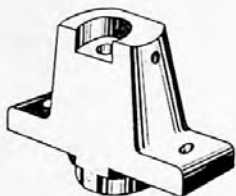
NO. 117 GEAR (INTERMEDIATE)



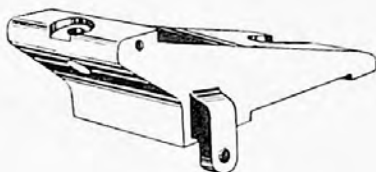
NO. 118 DEPTH GAUGE FOR BUILT-IN-COOPER
AND BUILT-IN-NOTCHER



NO. 119 LOW DIE BLOCK FOR #0-#1-#2
AND #2 1/2 V.I.W.s



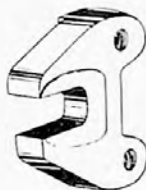
NO. 120 HIGH DIE BLOCK FOR #0-#1-
#2 & #2 1/2 U.I.W.s



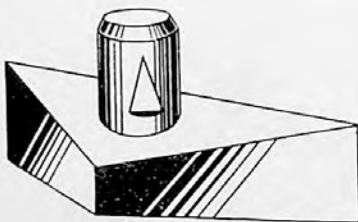
NO. 121 SPECIAL DIE BLOCK FOR WEBS FOR
3", 4" AND 5" IBS AND Cs



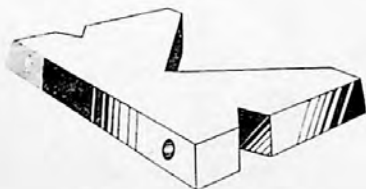
NO. 122 LEFT HAND KNIFE CLAMP
FOR #0-V.I.W. ONLY



NO. 123 RIGHT-HAND KNIFE-CLAMP FOR #0-V.I.W. ONLY



NO. 124 OLD STYLE NOTCHER PUNCH



NO. 125 OLD STYLE NOTCHER DIE



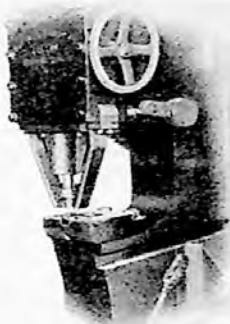
NO. 1 AND NO. 2 U.I.W. - HIGH DIE BLOCK



NO. 9 U.I.W. - MOUNTED ON STATIONARY STEEL BASE - WITH CENTRALIZED OIL SYSTEM AND BUILT-IN-NOTCHER ON SHEAR END



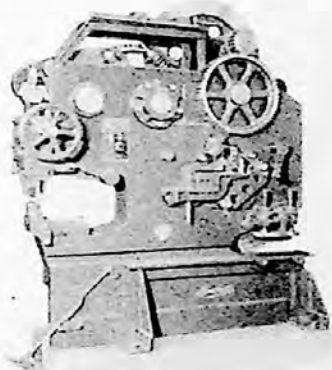
NO. 1/2 U.I.W. - MOUNTED ON PORTABLE STEEL BASE WITH CASTERS. WITH BUILT-IN NOTCHER ON SHEAR END



NO. 1 AND NO. 2 U.I.W. - LOW DIE BLOCK

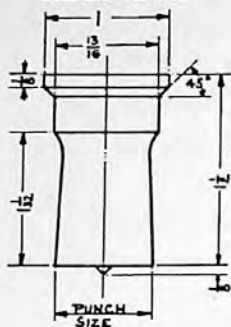


NO. 1 AND NO. 2 U.I.W. - WITH CAST IRON BASE AND HIGH PUNCH THROAT



NO. 2-1/2 U.I.W. - (WITHOUT CUPER OR NOTCHER)

ORDER BLANK



Shop Order

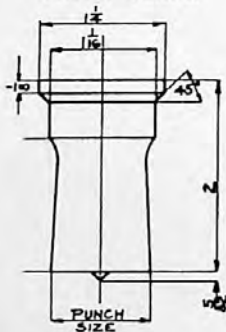
Date:

Drg. No. **362***Buffalo*BUFFALO FORGE COMPANY
Buffalo, N. Y.Punches For No. 0-U.I.W. & No. 45
Maximum Diameter 1 5/16"

No.	Size	No.	Size	No.	Size
	1/8		7/16		
	5/32		15/32		
	3/16		1/2		
	7/32		17/32		
	1/4		9/16		
	9/32		5/8		
	5/16		11/16		
	11/32		3/4		
	3/8		13/16		
	13/32				

Unless otherwise specified, punches will be furnished as ordered.

ORDER BLANK



Shop Order

Date:

Drg. No. **664***Buffalo*BUFFALO FORGE COMPANY
Buffalo, N. Y.Punches For No. 1/2, No. 1, No. 1 1/2, No. 2 U.I.W.
No. 25U.—No. 46

Maximum Diameter 1-1/16"

No.	Size	No.	Size	No.	Size
	7/32		9/16		
	1/4		5/8		
	9/32		11/16		
	5/16		3/4		
	11/32		13/16		
	3/8		7/8		
	13/32		15/16		
	7/16		1		
	15/32		1-1/16		
	1/2				

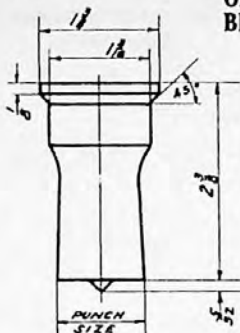
Unless otherwise specified, punches will be furnished as ordered.

**ORDER
BLANK**



BUFFALO FORGE COMPANY
Buffalo, N. Y.

Punches for No. 25 U.D.—2½ U.D.—2½ U.I.W.—47-P.
Maximum Diameter 1-3/16"



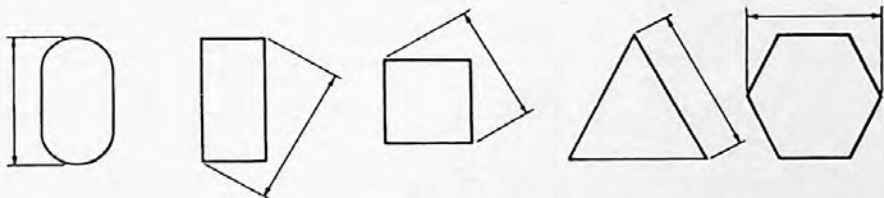
No.	Size	No.	Size	No.	Size
	7/32		9/16		1-3/16
	1/4		5/8		
	9/32		11/16		
	5/16		3/4		
	11/32		13/16		
	3/8		7/8		
	13/32		15/16		
	7/16		1		
	15/32		1-1/16		
	1/2		1-1/8		

Shop Order

Date:

Drg. No. **903**

Unless otherwise specified, punches will be furnished as ordered.

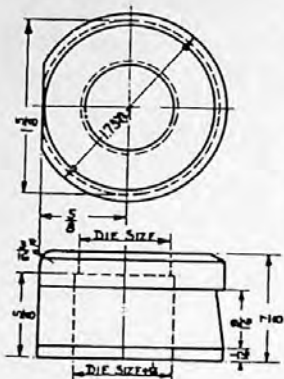


NOTE: WHEN SPECIAL PUNCH SHAPES ARE ORDERED, BE SURE THAT THE LONGEST DIMENSION DOES NOT EXCEED THE MAXIMUM ROUND DIAMETER SPECIFIED FOR EACH SIZE MACHINE, UNLESS A SPECIAL DIE BLOCK IS USED HAVING A SLUG CLEARANCE OF AMPLE SIZE

ORDER
BLANK*Buffalo*BUFFALO FORGE COMPANY
Buffalo, N. Y.

Dies for No. 0 U.I.W.

Maximum Diameter 13/16"



Shop Order

Date:

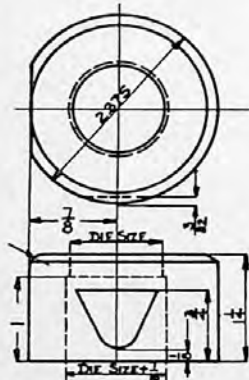
Drg. No. 85350

No.	Size	No.	Size	No.	Size
	5/32		15/32		
	3/16		1/2		
	7/32		17/32		
	1/4		9/16		
	9/32		19/32		
	5/16		21/32		
	11/32		23/32		
	3/8		25/32		
	13/32		27/32		
	7/16				

Unless otherwise specified, dies will be made 1/32
larger than punches.ORDER
BLANK*Buffalo*BUFFALO FORGE COMPANY
Buffalo, N. Y.

Dies For No. 1 1/2, No. 2-U.I.W., No. 46, No. 25-U.

Maximum Diameter 1-1/16"



Shop Order

Date:

Drg. No. 665

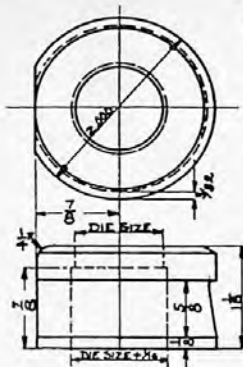
No.	Size	No.	Size	No.	Size
	1/4		19/32		
	9/32		21/32		
	5/16		23/32		
	11/32		25/32		
	3/8		27/32		
	13/32		29/32		
	7/16		31/32		
	15/32		1-1/32		
	1/2		1-3/32		
	17/32				

Unless otherwise specified, dies will be made 1/32
larger than punches.

ORDER
BLANK*Buffalo*BUFFALO FORGE COMPANY
Buffalo, N. Y.

Dies for No. 1/2 & No. 1 U.I.W. & 45 P.

Maximum Diameter 1-1/16"



Shop Order

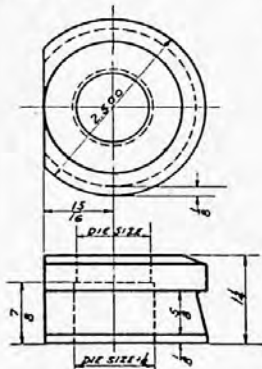
Date:

Drg. No. 14020

No.	Size	No.	Size	No.	Size
	1/4		19/32		
	9/32		21/32		
	5/16		23/32		
	11/32		25/32		
	3/8		27/32		
	13/32		29/32		
	7/16		31/32		
	15/32		1-1/32		
	1/2		1-3/32		
	17/32				

Unless otherwise specified, dies will be made 1/32
larger than punches.ORDER
BLANK*Buffalo*BUFFALO FORGE COMPANY
Buffalo, N. Y.Dies for No. 25 U.D.—2 1/2 U.D. & 2 1/2 U.I.W.
3 1/2 U.D.—26 U.D.—47-P.

Maximum Diameter 1-7/32"



Shop Order

Date:

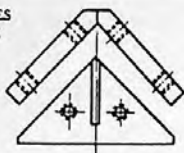
Drg. No. 904

No.	Size	No.	Size	No.	Size
	1/4		19/32		1-7/32
	9/32		21/32		
	5/16		23/32		
	11/32		25/32		
	3/8		27/32		
	13/32		29/32		
	7/16		31/32		
	15/32		1-1/32		
	1/2		1-3/32		
	17/32		1-5/32		

Unless otherwise specified, dies will be made 1/32
larger than punches.

Give Size, Type and Shop Order No. of Mach. When Ordering Repairs

TWO PIECES
MAKE ONE
DIE



BUILT-IN NOTCHER PUNCH & DIE

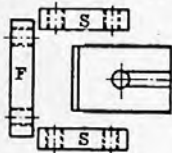


SOCKET
SINGLE PUNCH



SOCKET
TRIPLE PUNCH

THREE PIECES MAKE ONE DIE



BUILT-IN COPER PUNCH & DIE



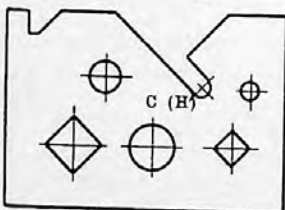
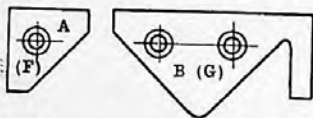
COUPLING NUT



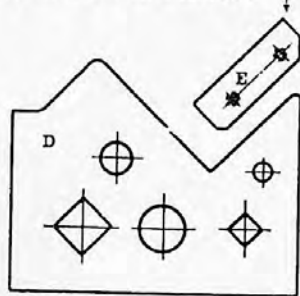
DIE HOLDER TRIPLE
PUNCH — SPECIFY
MIDDLE OR OUTER

Sketches of Knives Show General Outline Only,
Barcutter Holes Vary with Size of Machine

NO. 1/2 U. I. W. AND
UP, NO. 0 U. I. W.
HAS L SHAPED
INSERT



BARCUTTER KNIVES—PLUNGER
F, G, & H, ON 2 1/2 U. I. W. ONLY



BARCUTTER KNIVES—FRAME



SHEAR
BLADES

Use Letters when ordering Bar Cutter Knives

BUFFALO FORGE COMPANY, Buffalo, N. Y.

FORM 512 A

FOR COMPLETE LINE OF BUFFALO IRON-
WORKERS, ILLUSTRATIONS AND DESCRIPT-
IONS TOGETHER WITH CAPACITY TABLES,
SEE BULLETIN NO. 360.