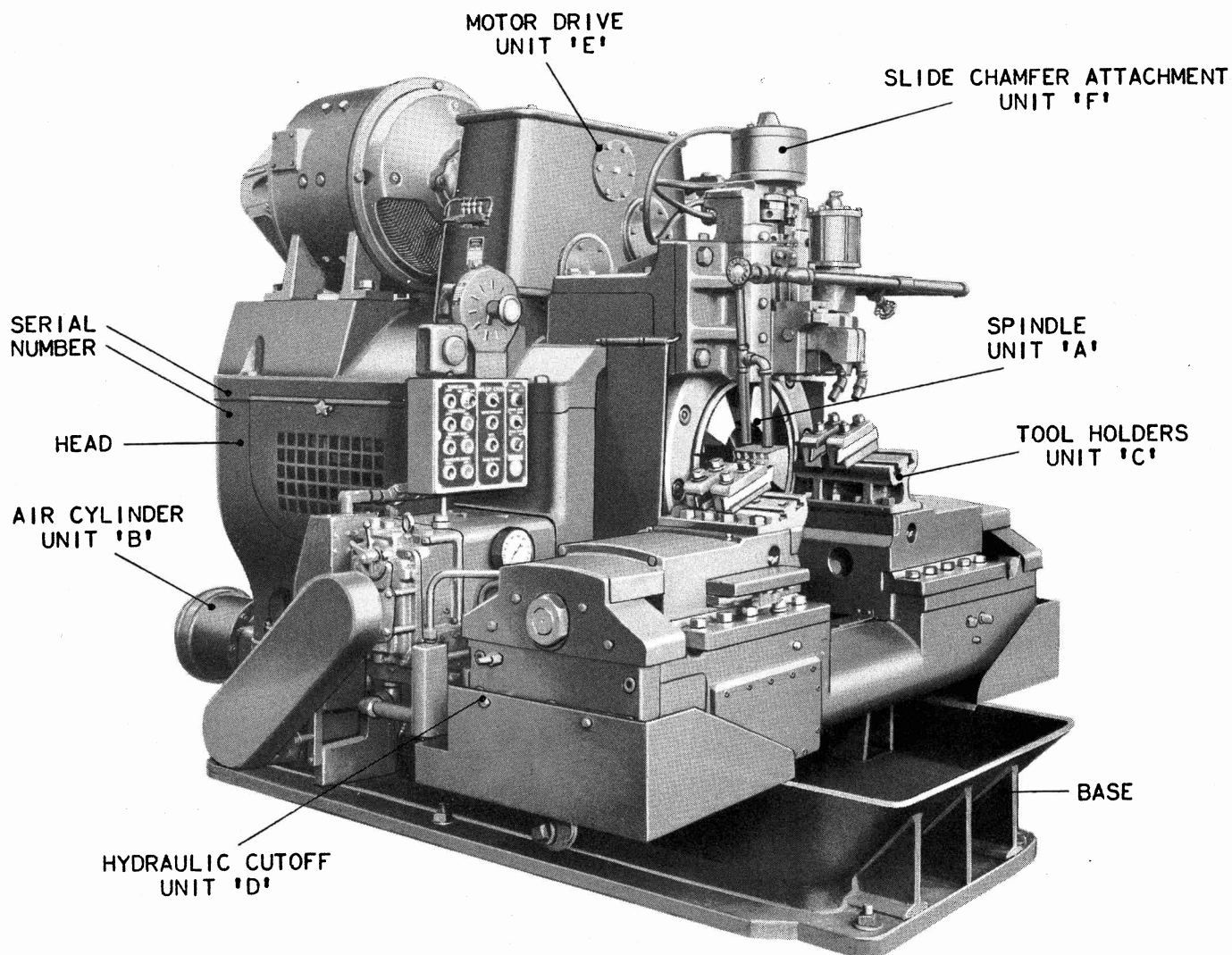


NO. 316 CUTTING-OFF LATHE



THESE SHEETS HAVE BEEN PREPARED TO SIMPLIFY THE ORDERING OF REPAIR PARTS.

WHEN ORDERING:

1. SPECIFY NUMBER OF PIECES WANTED.
2. GIVE SIZE AND SERIAL NUMBER OF MACHINE.*
3. GIVE NUMBER AND NAME OF PART EXACTLY AS SHOWN IN CATALOG.
4. GIVE PURCHASE ORDER NUMBER COVERING ORIGINAL MACHINE.

EXAMPLE:

REQUIRED: YOKE SHOES FOR THE YOKE.

ORDER:

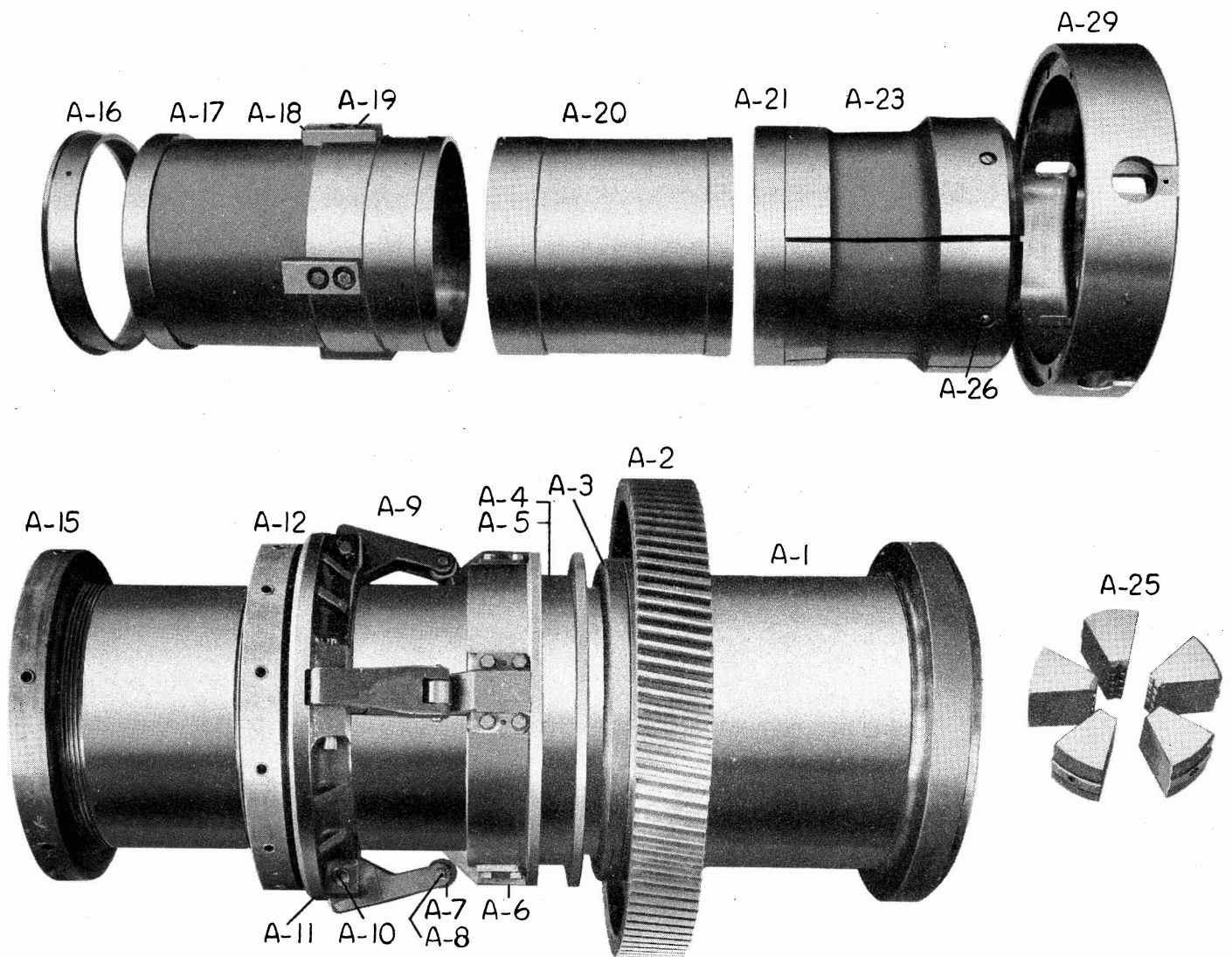
2 - B-2 YOKE SHOES, DRAWING NUMBER B-27668, FOR #316 CUTTING-OFF LATHE,
SER. 17769

* THE SERIAL NUMBER OF THE MACHINE IS STAMPED ON THE HOUSING FLANGE AND HEAD
AS SHOWN ABOVE.

BARDONS & OLIVER INC.

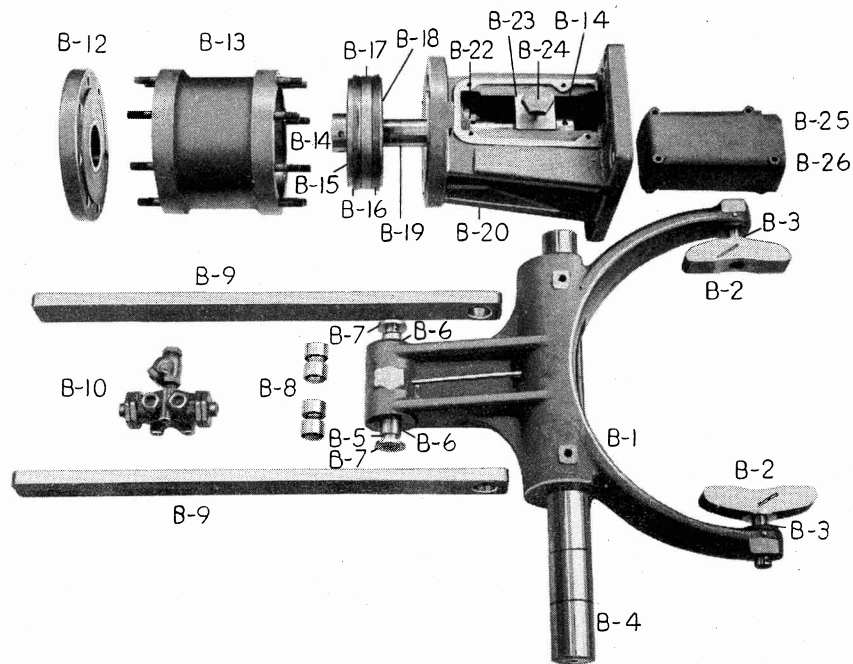
CLEVELAND 13, OHIO - U.S.A.

SPINDLE - UNIT 'A'



A-1	SPINDLE	A-35551	A-17	FOLLOWER & EXTENSION	A-35569
A-2	SPINDLE GEAR	A-35562	A-18	FOLLOWER SHOE	(4) A-35564
A-3	SPINDLE GEAR NUT	A-35557	A-19	SHOE SCREW	(8) C-1902
A-4	WEDGE	A-35563	A-20	PLUNGER	A-35567
A-5	WEDGE BUSHING	(2) B-35566	A-21	HINGE RING	A-35554
A-6	WEDGE ROLLER SHOE	(4) A-35559	A-22	HINGE PIN	(NOT SHOWN) (5) B-54326
A-7	FINGER ROLLER	(4) B-52692	A-23	COLLET	A-35552
A-8	ROLLER PIN	(4) C-1904	A-24	COLLET SPRING	(NOT SHOWN) (10) B-60167
A-9	FINGER	(4) A-56626	A-25	COLLET PADS	A-60833
A-10	FINGER PIVOT PIN	(4) C-1906	A-26	PAD SCREW	(5) B-54673
A-11	FINGER HOLDER	A-60846	A-27	PAD LOCK	(NOT SHOWN) (5) B-54671
A-12	ADJUSTING NUT	A-35556	A-28	LOCK SCREW	(NOT SHOWN) (5) B-54675
A-13	BINDER SHOE	(NOT SHOWN) A-54334	A-29	COLLET RING	A-54664
A-14	SHOE SCREW - 2	(NOT SHOWN) C-1935	A-30	RING STUD	(NOT SHOWN) (10) C-2091
A-15	SPINDLE ADJ. NUT	A-54189	A-31	STUD NUT	(NOT SHOWN) (10) B-54198
A-16	SPINDLE END BUSHING	A-35561			

AIR CYLINDER - UNIT 'B'



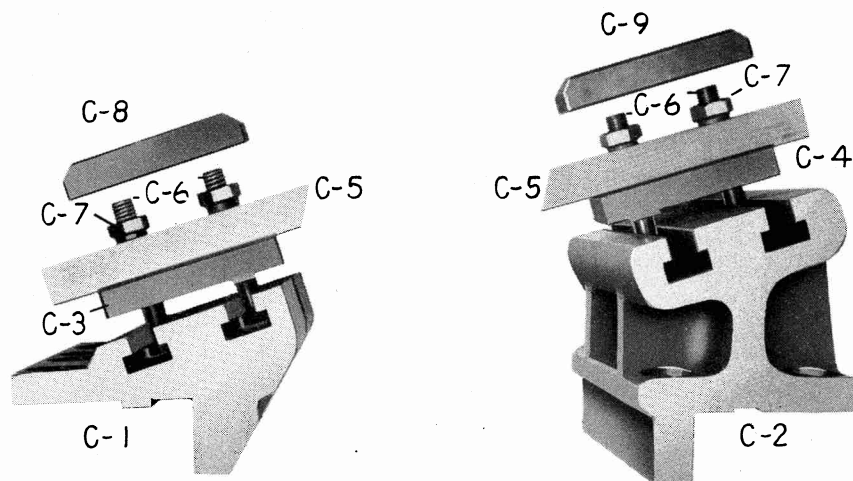
B-1 YOKE
 B-2 YOKE SHOE
 B-3 YOKE SHOE STUD
 B-4 YOKE SHAFT
 B-5 LINK STUD
 B-6 LINK STUD BUSH.
 B-7 STUD COLLAR
 B-8 LINK BUSHING
 B-9 LINK
 B-10 OPERATING VALVE
 B-11 PILOT VALVE
 B-12 CYLINDER HEAD
 B-13 CYLINDER

A-31318
 (2) B-27668
 (2) B-27669
 A-31266
 B-52516
 (2) B-32310
 (2) B-52517
 (4) B-52518
 (2) A-54332
 (2) (NOT SHOWN)
 B-31283
 B-35613

B-14 PISTON ROD NUT
 B-15 PISTON PLATE
 B-16 PACKING CUP
 B-17 PACKING PLATE
 B-18 PISTON
 B-19 PISTON ROD
 B-20 BRACKET
 B-21 PACKING
 B-22 PACKING GLAND
 B-23 SLIDE BLOCK
 B-24 LINK LOCK SCREW
 B-25 LINK COVER FRONT
 B-26 LINK COVER REAR

(2) B-31142
 B-31245
 (2)
 B-31241
 A-52941
 A-31331
 A-31290
 (NOT SHOWN) B-31597
 B-31245
 A-31266
 (2) B-52518
 A-31318
 A-31339

TOOL HOLDERS - UNIT 'C'



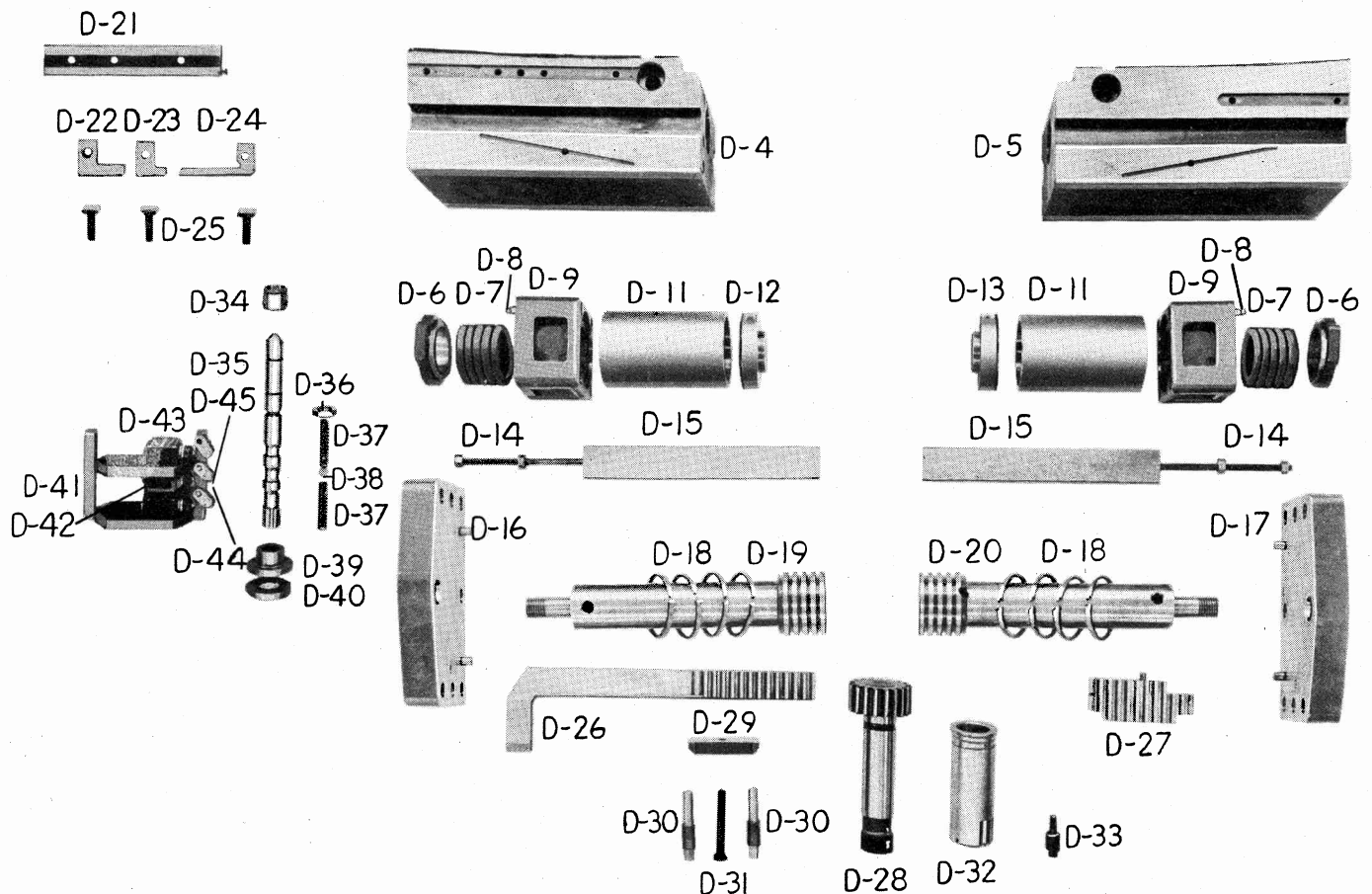
C-1 TOOL HOLDER BASE
 C-2 TOOL HOLDER BASE
 C-3 TOOL HOLDER
 C-4 TOOL HOLDER
 C-5 BLADE

A-61227
 A-61226
 6" OR 7" L
 6" OR 7" L
 B-27793

C-6 TEE BOLT
 C-7 CLAMP NUT
 C-8 TOOL HOLDER CAP
 C-9 TOOL HOLDER CAP

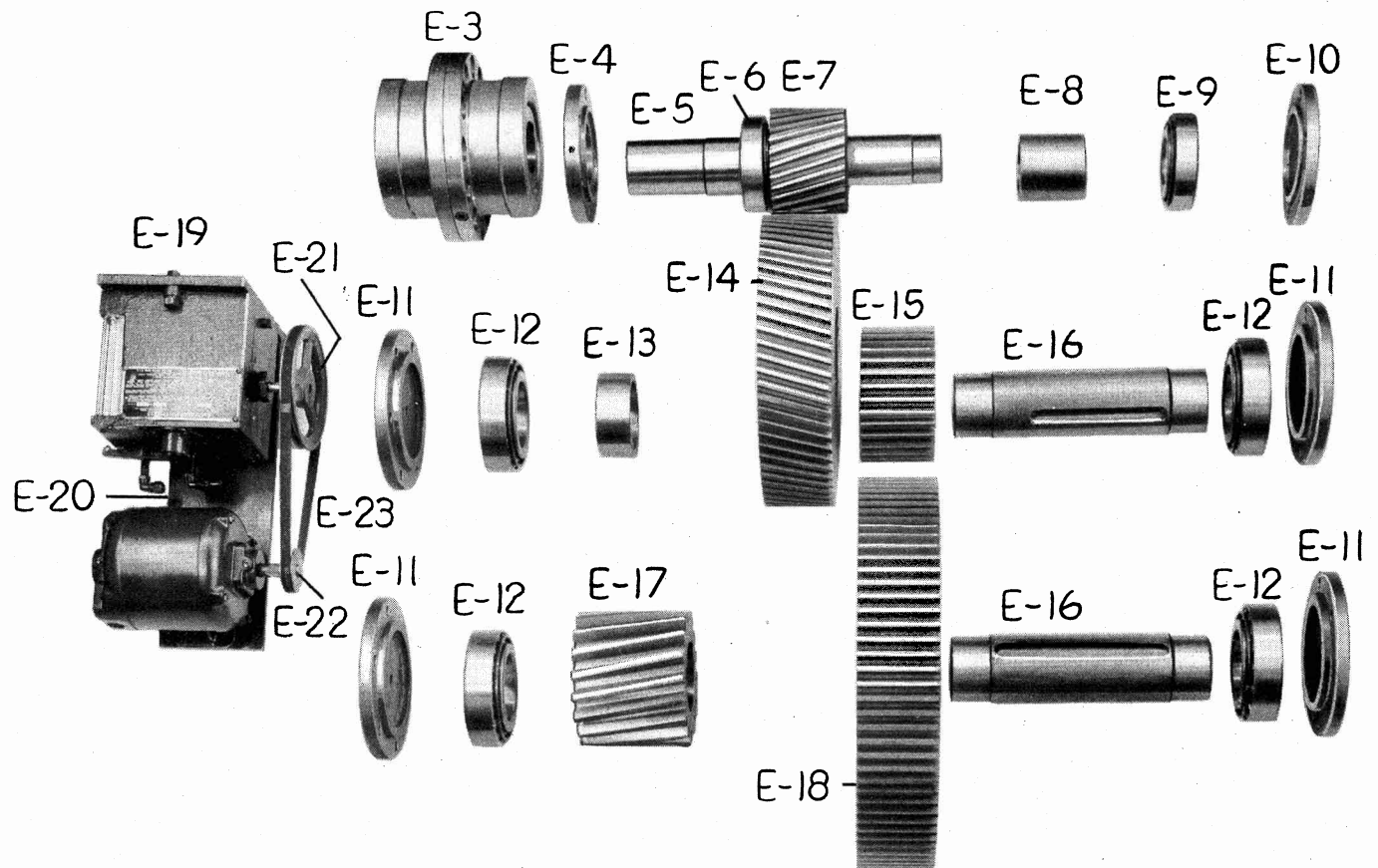
(4) B-60462
 (4) B-31072
 6" OR 7" L
 6" OR 7" L

HYDRAULIC CUTTING-OFF UNIT 'D'



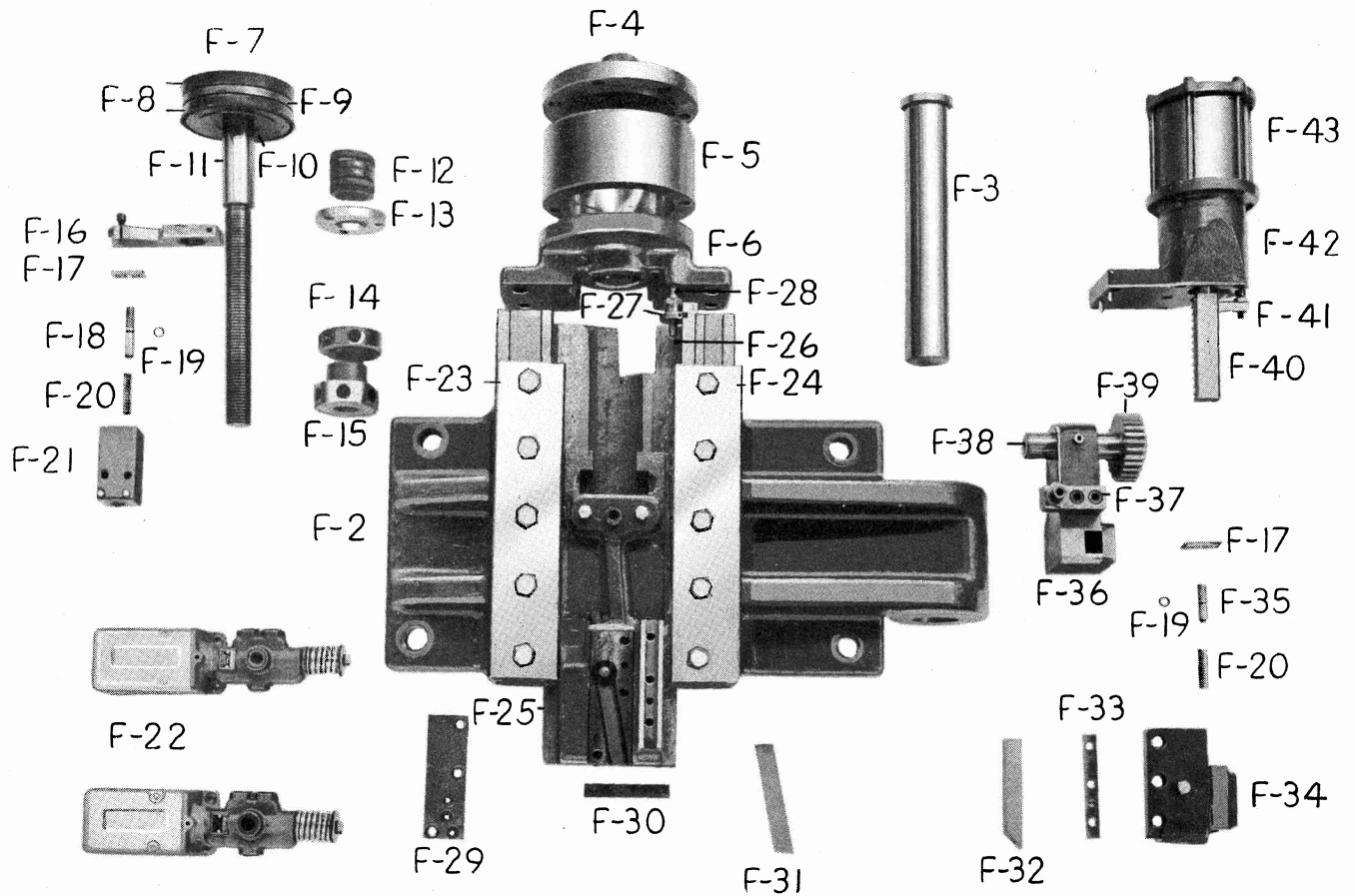
D-1	SADDLE	(NOT SHOWN)	L-60924	D-25	TEE BOLT	(3)	B-52522
D-2	SADDLE CAPS	(NOT SHOWN)		D-26	EQUALIZING RACK LONG		A-31305
D-3	V-BELTS - 4	(NOT SHOWN)		D-27	EQUALIZING RACK SHORT		A-31275
D-4	FRONT SLIDE		L-61073	D-28	EQUALIZING PINION		A-61084
D-5	REAR SLIDE		L-61074	D-29	RACK SHOE		B-31287
D-6	PACKING GLAND	(2)	B-32790	D-30	RACK SHOE STUD	(2)	B-60982
D-7	PACKING	(2)	B-32866	D-31	HEX HEAD CAP SCREW		B-31307
D-8	AIR COCK	(4)		D-32	PINION BUSHING		B-31308
D-9	CYLINDER HEAD	(2)	A-54756	D-33	BUSHING LOCK SCREW		B-60085
D-10	HEAD BUSHING (NOT SHOWN)	(2)	B-32791	D-34	CONTROL ROD BUSHING		A-61088
D-11	OIL CYLINDER	(2)	A-31237	D-35	CONTROL ROD		B-60078
D-12	CYLINDER HEAD INNER		A-31665	D-36	WASHER	(2)	B-60090
D-13	CYLINDER HEAD INNER		A-31665	D-37	SPRING		B-56285
D-14	GIB ADJUSTING STUD	(2)	B-61083	D-38	SPACER		B-60084
D-15	TAPER GIB	(2)	A-61079	D-39	ROD LOCATER		B-60086
D-16	PISTON THRUST PLATE		A-60938	D-40	SPRING CAP		A-60061
D-17	PISTON THRUST PLATE		A-60937	D-41	SWITCH BRACKET	(2)	
D-18	PISTON RING	(8)	B-31605	D-42	MICRO SWITCH L-H	(3)	B-60072
D-19	FRONT PISTON ROD		A-61086	D-43	MICRO SWITCH R-H	(3)	B-60070
D-20	REAR PISTON ROD		A-61087	D-44	ROLLER ASSEMBLY	(NOT SHOWN)	A-56288
D-21	TEE SLOT BRACKET		A-61089	D-45	ROLLER SPRING	(NOT SHOWN)	A-60077
D-22	RAPID RETURN DOG		B-60066	D-46	OIL POT	(NOT SHOWN)	A-61080
D-23	FEED DOG		B-60065	D-47	FRONT COVER		
D-24	RAPID FORWARD DOG		B-60067	D-48	SWITCH MOUNT		

MOTOR DRIVE - UNIT 'E'



E-1	HOUSING	(NOT SHOWN)	A-60880	E-14	GEAR 69T	A-54736
E-2	COVER	(NOT SHOWN)	A-31599	E-15	GEAR 32T	A-54737
E-3	COUPLING		TO SUIT	E-16	INTERMEDIATE SHAFT	(2) A-31222
E-4	BEARING RETAINER		A-54640	E-17	GEAR 18T	A-54739
E-5	DRIVE SHAFT		A-37864	E-18	GEAR 90T	A-54738
E-6	ROLLER BEARING		552-A/560	E-19	LUBRICATION PUMP	A-54663
E-7	GEAR 25T		B-54735	E-20	PUMP BRACKET	
E-8	SPACER		B-54652	E-21	PUMP PULLEY	
E-9	ROLLER BEARING		552-A/559	E-22	MOTOR PULLEY	
E-10	BEARING RETAINER		A-54740	E-23	VEE BELT	
E-11	BEARING RETAINER	(4)	A-54741	E-24	PULSO HEADER COMPL. (NOT SHOWN)	
E-12	ROLLER BEARING	(4)	742/749	E-25	PULSO STRAIGHT CONN. (NOT SHOWN)	
E-13	SPACER		B-54651	E-26	PULSO ELBOW CONN. (NOT SHOWN)	

SLIDE CHAMFER ATTACHMENT - UNIT 'F'



F-1	ANGLE PLATE	(NOT SHOWN)	A-35640	F-23	SLIDE CAP	A-61296
F-2	BRACKET		A-61294	F-24	SLIDE CAP	A-61300
F-3	HINGE PIN		B-31248	F-25	SLIDE	A-61295
F-4	CYLINDER HEAD - UPPER		A-60468	F-26	TAPER GIB	A-61301
F-5	CYLINDER		A-60470	F-27	GIB ADJ. NUT	B-61367
F-6	CYLINDER HEAD - LOWER		A-60467	F-28	GIB ADJ. STUD	B-61368
F-7	PISTON PLATE		B-60480	F-29	CUTTER CAP	B-61314
F-8	PISTON PACKING CUP	(2)	B-60471	F-30	STOP PLATE	B-31121
F-9	PACKING PLATE		A-60479	F-31	O.D. CUTTER	B-53363
F-10	PISTON		A-61302	F-32	I.D. CUTTER	B-53364
F-11	PISTON ROD		B-60351	F-33	RACK BRACKET KEY	B-61308
F-12	PACKING		B-60484	F-34	RACK BRACKET	A-61297
F-13	PACKING GLAND		B-31249	F-35	VALVE PLUNGER	B-61311
F-14	SLIDE LOCK NUT		B-31118	F-36	TOOL HOLDER	A-61298
F-15	SLIDE ADJ. NUT		B-61306	F-37	STOP BLOCK	B-61307
F-16	VALVE LEVER	(2)	B-60475	F-38	PINION SHAFT	B-61305
F-17	PLUNGER STOP		B-60481	F-39	PINION	B-61304
F-18	PLUNGER		B-48439	F-40	RACK	B-61303
F-19	O-RING	(2)	B-61312	F-41	PLUNGER LEVER	B-61310
F-20	PLUNGER SPRING			F-42	CYLINDER BRACKET	A-61296
F-21	VALVE BLOCK	(2)		F-43	CYLINDER	A-60470
F-22	SOLENOID VALVE					