

PARTS CATALOG

FOR

BARDONS & OLIVER

No. 1

GEARED ELECTRIC TURRET LATHE

BARDONS & OLIVER, Inc.

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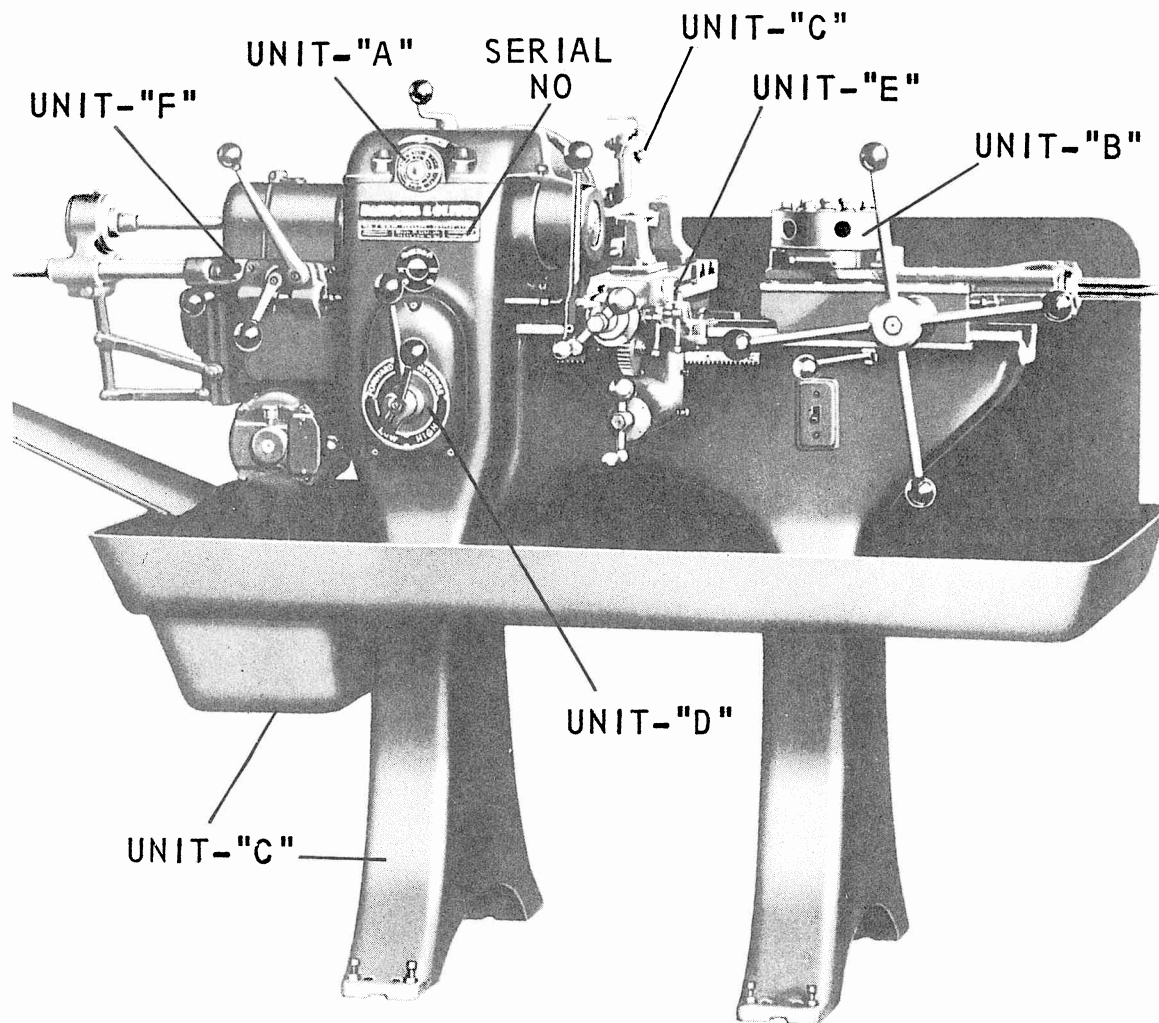
OHIO

5800 HARPER ROAD

SOLON, OHIO 44139

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NO. 1 GEARED ELECTRIC TURRET LATHE PARTS CATALOG



In order to maintain accuracy and finish requirements of today, it is necessary and economical to replace worn parts. This catalog has been prepared to simplify the ordering of repair parts.

WHEN ORDERING: -

1. SPECIFY AMOUNT WANTED
2. GIVE SERIAL NUMBER OF MACHINE *
3. GIVE NUMBER AND NAME OF PART EXACTLY AS SHOWN IN CATALOG

EXAMPLE: -

Required: - Three Step Gear for The Head.

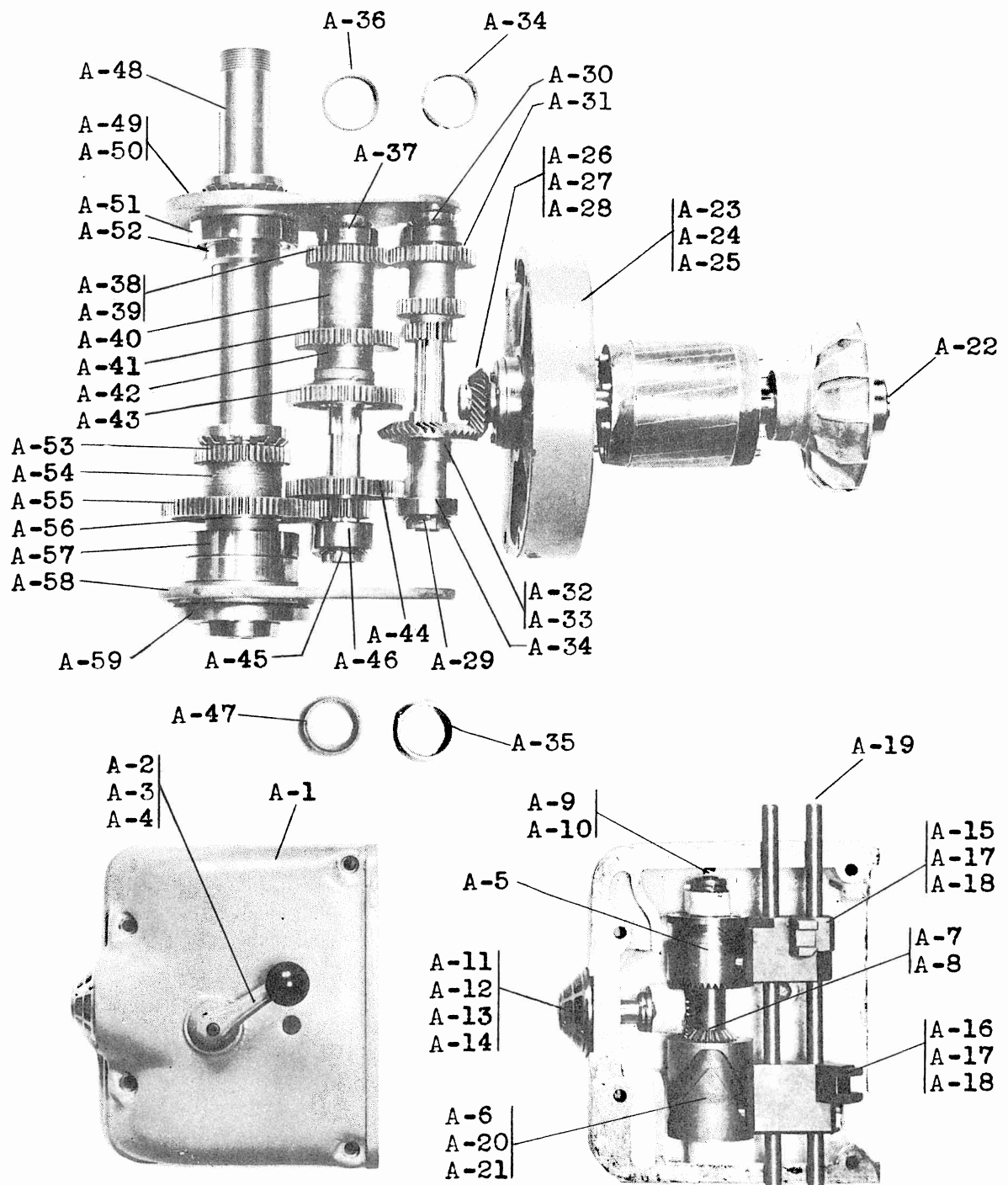
ORDER: -

1. Repair part for #1 G.E.T.L.
Serial #18890
A-31 Three Step Gear

As some parts are fitted in assembly, these parts will be sent finished as far as possible with allowance for fitting where required.

* THE SERIAL NUMBER OF EACH MACHINE IS STAMPED ON THE NAME PLATE AND ON THE END OF THE REAR BEDWAY.

HEAD - UNIT-"A"



HEAD - UNIT-"A"

HOUSING ASSEMBLY

A-1 Housing
A-2 Lever
A-3 Bakelite Ball
A-4 Bevel Gear 14T. (Lever)
A-5 Cam 42T.
A-6 Cam
A-7 Bevel Gear
A-8 Spacer
A-9 Cam Shaft
A-10 Collar
A-11 Dial Bevel Gear
A-12 Collar
A-13 Dial
A-14 Dial Speed Plate & Arrow
A-15 Gear Shifter
A-16 Gear Shifter
A-17 Gear Shifter Roller
A-18 Gear Shifter Pin
A-19 Gear Shifter Rod
A-20 Steel Ball & Spring
A-21 Threaded Pin

MOTOR BRACKET ASSEMBLY

A-22 Motor Shaft
A-23 Motor Bracket
A-24 Oil Retainer
A-25 Ball Bearing 5204R
A-26 Motor Shaft Bevel Pinion
A-27 Bearing Closer
A-28 Motor Shaft Nut

INTERMEDIATE SHAFT ASSEMBLY

A-29 Intermediate Shaft
A-30 Roller Bearing 7204
A-31 3 Step Gear
A-32 Bevel Gear
A-33 Spacer
A-34 Bearing Spacer
A-35 Bearing Spacer

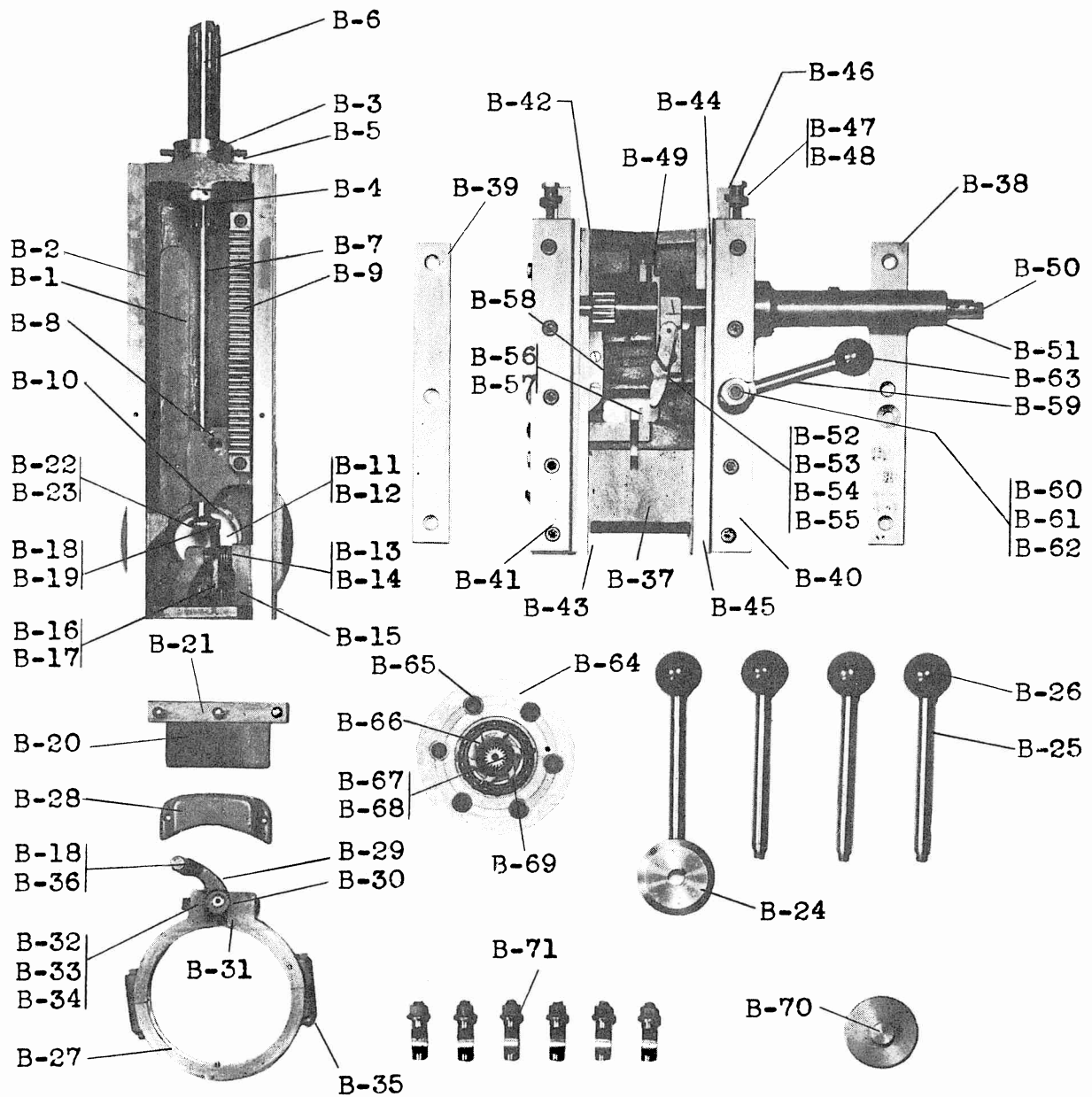
HIGH & LOW SHAFT ASSEMBLY

A-36 Bearing Spacer
A-37 Ball Bearing 6204
A-38 Spacer
A-39 Gear 39T.
A-40 Spacer
A-41 Gear 49T.
A-42 Spacer
A-43 Gear 57T.
A-44 Sliding Gear
A-45 High Low Shaft
A-46 Ball Bearing 5204R
A-47 Spacer

SPINDLE ASSEMBLY

A-48 Spindle
A-49 Oil Retainer
A-50 Bearing Closer
A-51 Ball Bearing 209-R
A-52 Oil Retainer
A-53 Gear 46T.
A-54 Spacer
A-55 Gear 78T.
A-56 Spacer
A-57 Ball Bearing #210 R.D.B.
A-58 Bearing Closer
A-59 Driving Screw

TURRET, SLIDE & SADDLE - UNIT "B"



TURRET, SLIDE & SADDLE - UNIT "B"

TURRET SLIDE ASSEMBLY

B-1 Turret Slide
B-2 Slide Way
B-3 Stop Screw Carrier
B-4 Carrier Nut
B-5 Binder Screw
B-6 Stop Screw
B-7 Bevel Gear Shaft
B-8 Collar
B-9 Rack
B-10 Bevel Gear 18T.
B-11 Lock Bolt Lever
B-12 Lever Pin
B-13 Lever Collar
B-14 Lock Bolt Spring
B-15 Spring Pin
B-16 Lock Bolt
B-17 Lock Bolt Sleeve
B-18 Lock Bolt Lever Roller
B-19 Roller Washer
B-20 Neoprene Apron Guard
B-21 Guard Support
B-22 Locating Ring
B-23 Ring Pin And Spring
B-24 Turnstile Hub
B-25 Turnstile Handle
B-26 Bakelite Ball

CLAMP RING ASSEMBLY

B-27 Clamp Ring
B-28 Guard
B-29 Clamp Lever
B-30 Clamp Spreader
B-31 Spreader Plates
B-32 Clamp Spring Nut
B-33 Clamp Spring
B-34 Clamp Spring Bolt
B-35 Clamp Screw
B-36 Turret Clamp Lever Collar

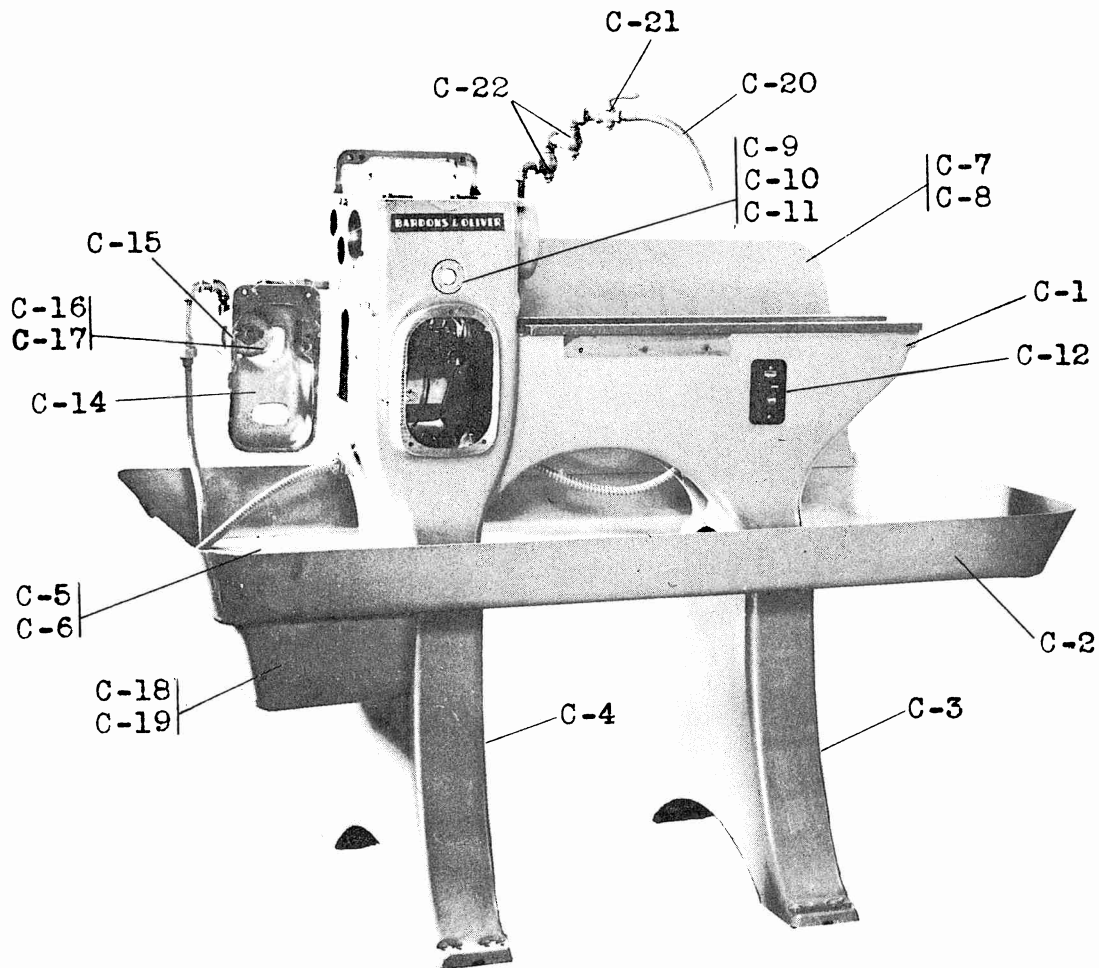
SADDLE ASSEMBLY

B-37 Saddle
B-38 Front Lower Saddle Cap
B-39 Rear Lower Saddle Cap
B-40 Front Upper Saddle Cap
B-41 Rear Upper Saddle Cap
B-42 Short Rear Way
B-43 Long Rear Way
B-44 Short Front Way
B-45 Long Front Way
B-46 Gib
B-47 Gib Stud
B-48 Gib Nut
B-49 Indexing Screw Stop
B-50 Pinion Shaft
B-51 Turnstile Sleeve
B-52 Pawl
B-53 Pawl Pivot
B-54 Pawl Stop Pin
B-55 Spring
B-56 Tumbler
B-57 Tumbler Screw
B-58 Turret Clamp Cam
B-59 Binder Lever
B-60 Binder Lever Friction
B-61 Binder Stud
B-62 Binder Stud Washer
B-63 Bakelite Ball

TURRET ASSEMBLY

B-64 Turret
B-65 Lock Bolt Bushing
B-66 Timken Roller Bearing #12175
B-67 Bevel Gear
B-68 Bevel Gear Nut
B-69 Ratchet
B-70 Turret Cover
B-71 Binder Bolts

BED, PAN & LEGS - COOLANT PUMP & PIPING - UNIT "C"



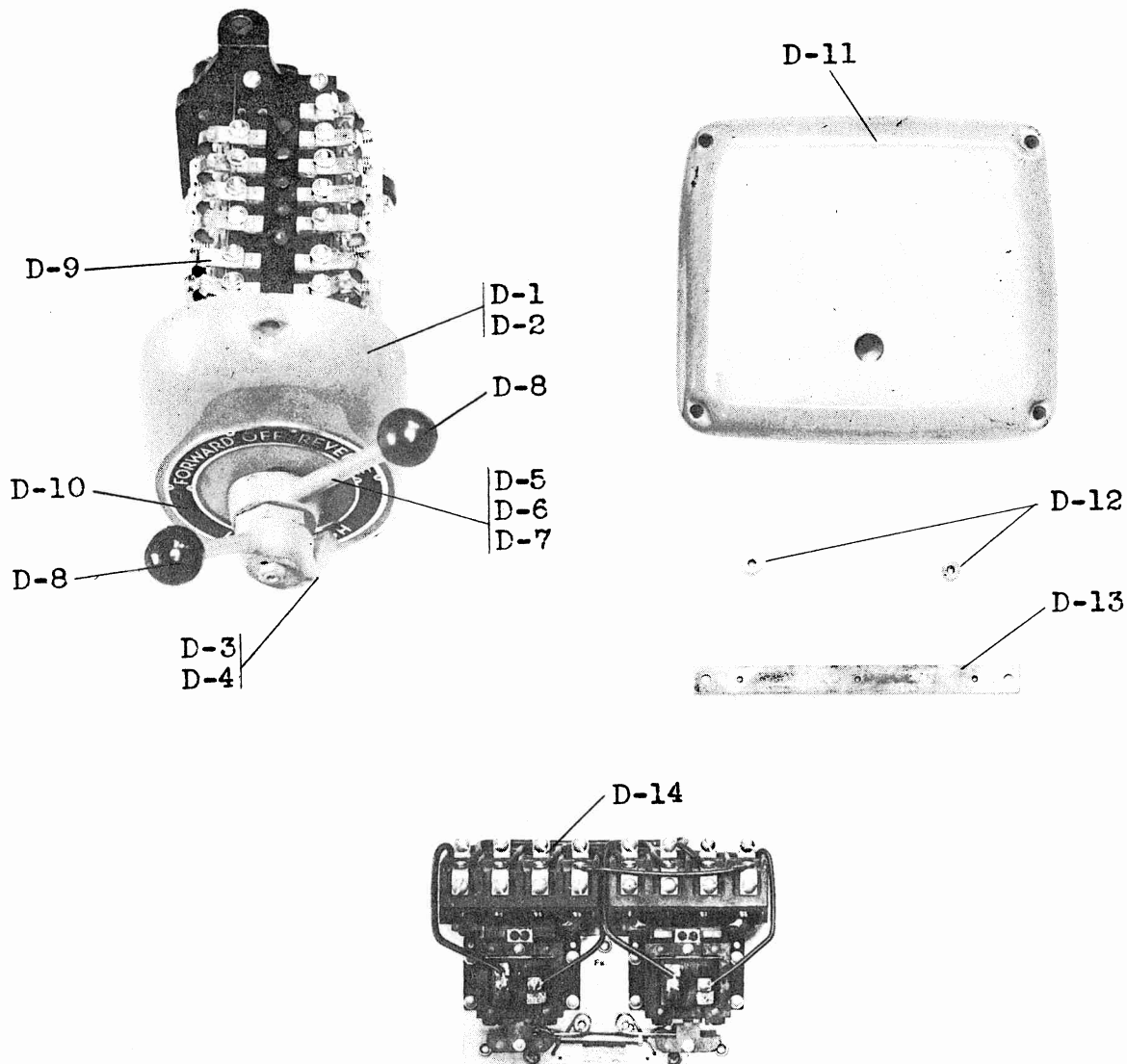
BED, PAN & LEGS

COOLANT PUMP & PIPING

C-1 Bed
C-2 Pan
C-3 Front Leg
C-4 Rear Leg
C-5 Pan Plate
C-6 Pan Strainer
C-7 Rear Splash Guard
C-8 Side Splash Guard
C-9 Oil Gage Cover
C-10 Oil Gage Glass
C-11 Oil Gage Gasket
C-12 Push Button Switch
C-13 Name Plate

C-14 Pump Bracket
C-15 Tuthill Pump #1-MS
C-16 Pump Rotor
C-17 Pump Coupling
C-18 Strainer Body
C-19 Strainer Screen
C-20 Flexible Coolant Line (AMER.)
C-21 Stop Cock
C-22 Swing Joint

TWO SPEED MOTOR CONTROL - UNIT "D"



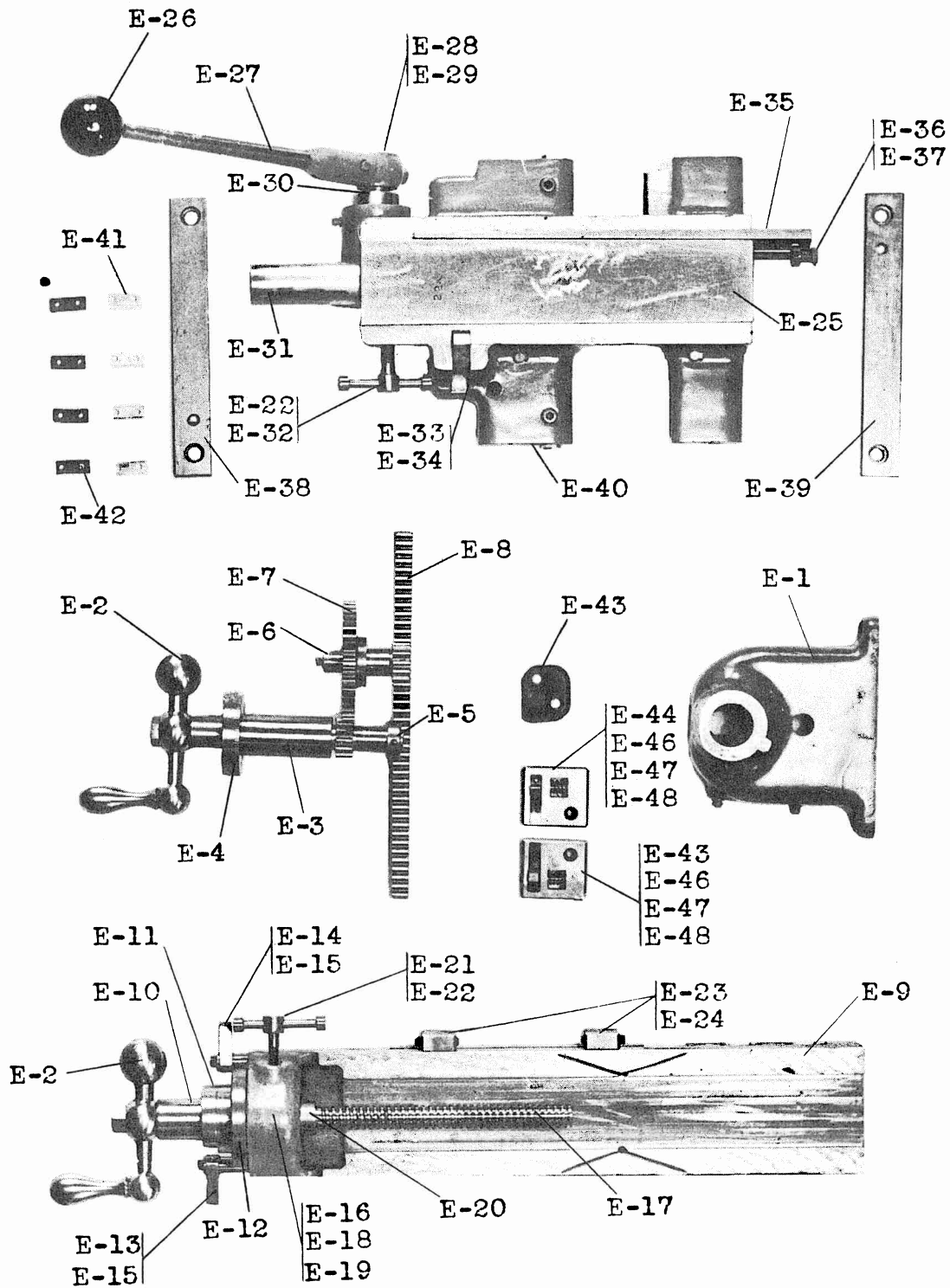
FRONT COVER ASSEMBLY

- D-1 Cover
- D-2 Bushing
- D-3 High & Low Lever
- D-4 High & Low Shaft
- D-5 For. & Rev. Lever
- D-6 For. & Rev. Shaft
- D-7 Nut
- D-8 Bakelite Ball
- D-9 Euclid Control Switch
- D-10 Control Plate

REAR COVER ASSEMBLY

- D-11 Cover
- D-12 Spacer
- D-13 Support Strip
- D-14 A.B. Starter Switch

COMBINATION CROSS SLIDE & CARRIAGE - UNIT "E"



COMBINATION CROSS SLIDE & CARRIAGE - UNIT "E"

CARRIAGE APRON ASSEMBLY

E-1 Apron Gear Box
E-2 Balcrank Handle
E-3 Pinion Shaft
E-4 Micrometer Dial
E-5 Collar
E-6 Rack Pinion
E-7 Gear
E-8 Rack

CROSS SLIDE ASSEMBLY

E-9 Cross Slide
E-10 Spacer
E-11 Stop Disc
E-12 Micrometer Dial
E-13 Long Latch Stud
E-14 Short Latch Stud
E-15 Latch
E-16 Feed Screw Spacer
E-17 Feed Screw
E-18 Ball Bearing MRC 6202
E-19 Bearing Spacer
E-20 Spacer
E-21 Binder Screw
E-22 Binder Screw Lever
E-23 Trip Dog
E-24 Tee Nut

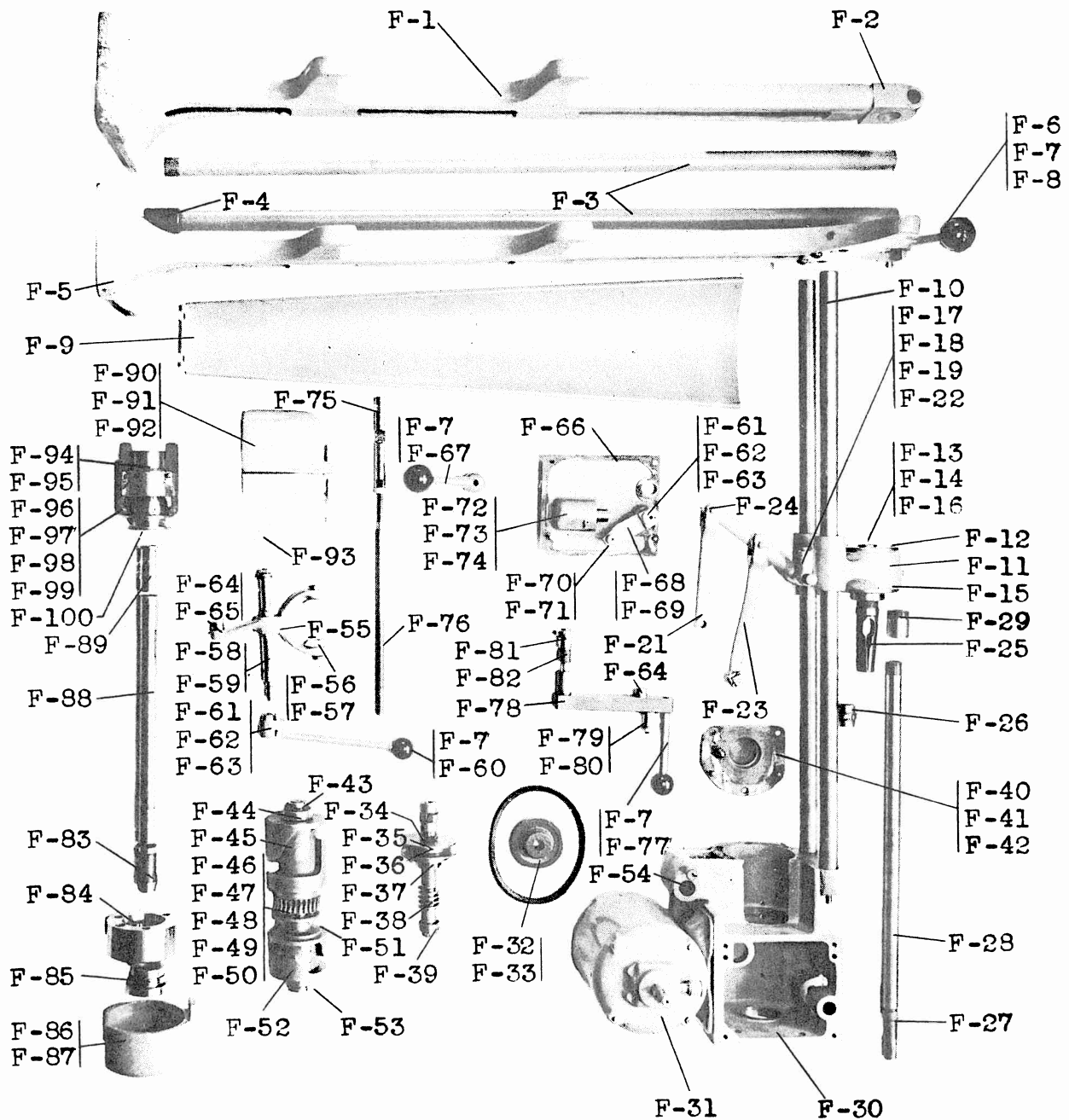
CARRIAGE ASSEMBLY

E-25 Carriage
E-26 Bakelite Ball
E-27 Lever
E-28 Lever Shaft
E-29 Gear
E-30 Eccentric Bushing
E-31 Feed Screw Nut
E-32 Lock Screw
E-33 Trip Dog Stop
E-34 Pivot Pin
E-35 Cross Slide Gib
E-36 Gib Nut
E-37 Gib Stud
E-38 Front Cap
E-39 Rear Cap
E-40 Carriage Gib
E-41 Wiper Caps
E-42 Felt Wipers

COLLET CHUCK TRIP

E-43 Trip Rod Support
E-44 Front Tripping Block
E-45 Rear Tripping Block
E-46 Spring
E-47 Pin
E-48 Tumbler

COLLET CHUCK & BAR FEED - UNIT "F"



COLLET CHUCK & BAR FEED - UNIT "F"

BAR STAND ASSEMBLY

F-1 Rear Bar Stand
F-2 Stand Head
F-3 Support Tube
F-4 Support Tube Coupling
F-5 Front Bar Stand
F-6 Lever
F-7 Bakelite Ball
F-8 Lever Pivot Pin
F-9 Drip Trough
F-10 Feed Bar

SLIDING HEAD ASSEMBLY

F-11 Sliding Head
F-12 Rear Brg. Closer
F-13 Ball Bearing 206M.F.
F-14 Bearing Spacer
F-15 Front Brg. Closer
F-16 Feed Finger Adapter
F-17 Sliding-Head-Pin
F-18 Detent
F-19 Spring
F-21 Link
F-22 Lever
F-23 Link
F-24 Link Pin

FEED FINGER PARTS

F-25 Outside Feed Finger
F-26 Feed Finger False Jaws
F-27 Inside Feed Finger
F-28 Feed Finger Plunger
F-29 Inside Feed Finger Adapter

HOUSING ASSEMBLY

F-30 Housing
F-31 Electric Motor
F-32 V Belt 2200
F-33 Sheave AK30
F-34 Sheave
F-35 Spacer
F-36 End Closer
F-37 Ball Bearing 203 S
F-38 Worm
F-39 Ball Bearing 202 S
F-40 Cam Shaft Cover
F-41 Detent
F-42 Detent Spring
F-43 Cam Shaft
F-44 Ball Bearing 204 SF
F-45 Cam
F-46 Worm Gear
F-47 Clutch
F-48 Spacer
F-49 Needle Bearings B-1607-Q
F-50 Spacer
F-51 Clutch Cam
F-52 Cam
F-53 Ball Bearing 204 SFF
F-54 Link Stud

YOKE ASSEMBLY

F-55 Yoke
F-56 Yoke Shoe
F-57 Yoke Shoe Stud
F-58 Yoke Lever Shaft
F-59 Yoke Lever Shaft Washer
F-60 Yoke Lever
F-61 Steel Ball
F-62 Spring
F-63 Detent Screw
F-64 Yoke Roller
F-65 Roller Stud

TRIP COVER ASSEMBLY

F-66 Trip Cover
F-67 Lever
F-68 Lever Shaft
F-69 Trip
F-70 Roller
F-71 Roller Stud
F-72 Trip Plunger
F-73 Spring
F-74 Trip Spring Screw
F-75 Trip Rod Nut
F-76 Trip Rod

CAM LEVER ASSEMBLY

F-77 Cam Lever Handle
F-78 Cam Lever
F-79 Bushing
F-80 Tee Bolt
F-81 Cam Lever Bushing
F-82 Spring

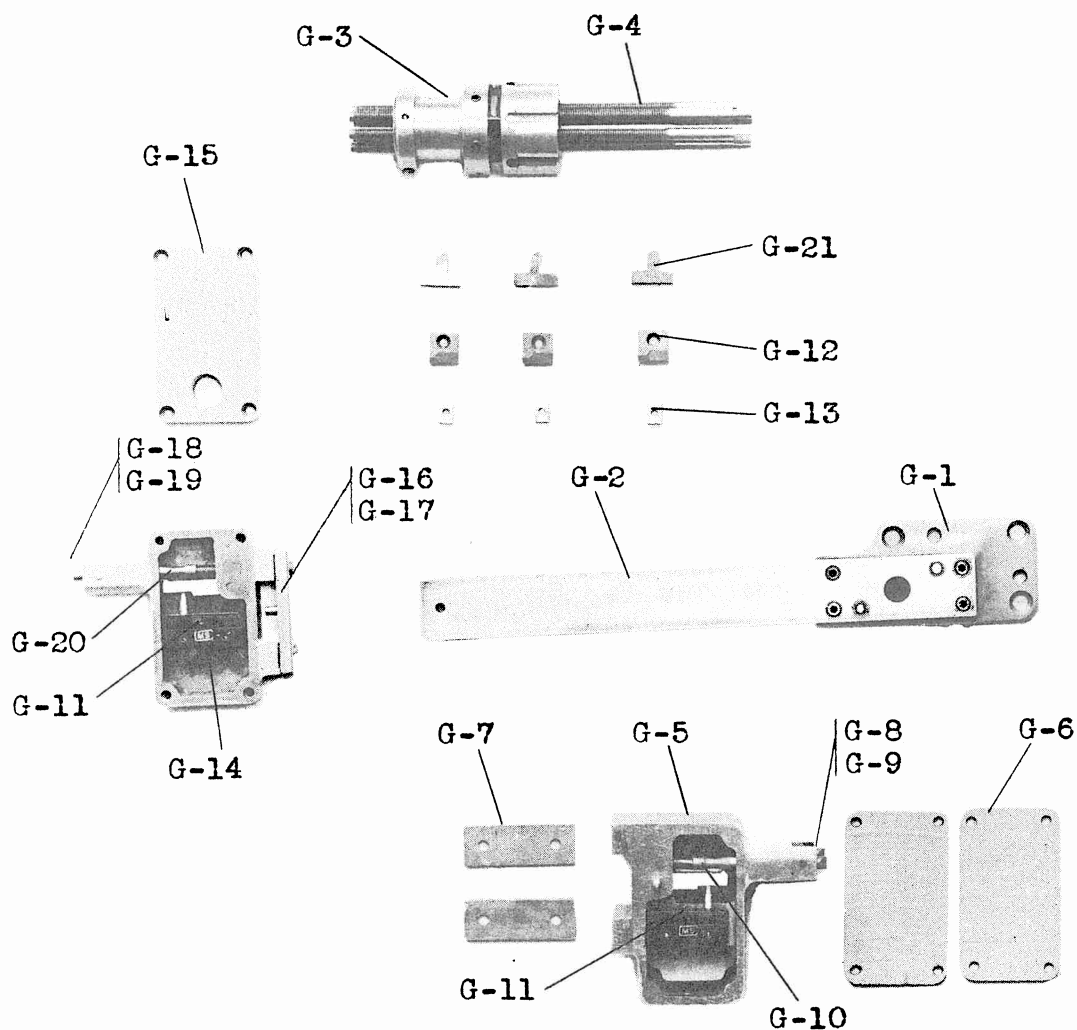
COLLET ASSEMBLY

F-83 Collet
F-84 Collet Hood
F-85 Collet Ring
F-86 Hood Guard
F-87 Guard Pin
F-88 Plunger
F-89 Abutment Sleeve

WEDGE ASSEMBLY

F-90 Guard Cap
F-91 Hinge
F-92 Hinge Pin
F-93 Guard
F-94 Finger Holder
F-95 Finger Holder Friction
F-96 Finger
F-97 Finger Pivot Pin
F-98 Finger Roller
F-99 Roller Pin
F-100 Wedge

SPINDLE MOTOR REMOTE CONTROL - UNIT "G"



G-1 Bracket
 G-2 Bar
 G-3 Stop Roll
 G-4 Stop Screws

<u>FOR. & REV.</u>		<u>HI & LO</u>	
G-5	Double Box	G-14	Single Box
G-6	Cover	G-15	Cover
G-7	Caps	G-16	Cap
G-8	Plunger	G-17	Pin
G-9	Spring	G-18	Plunger
G-10	Lever	G-19	Spring
G-11	Micro Switch	G-20	Lever
G-12	Dog	G-21	Dog
G-13	Nut		

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