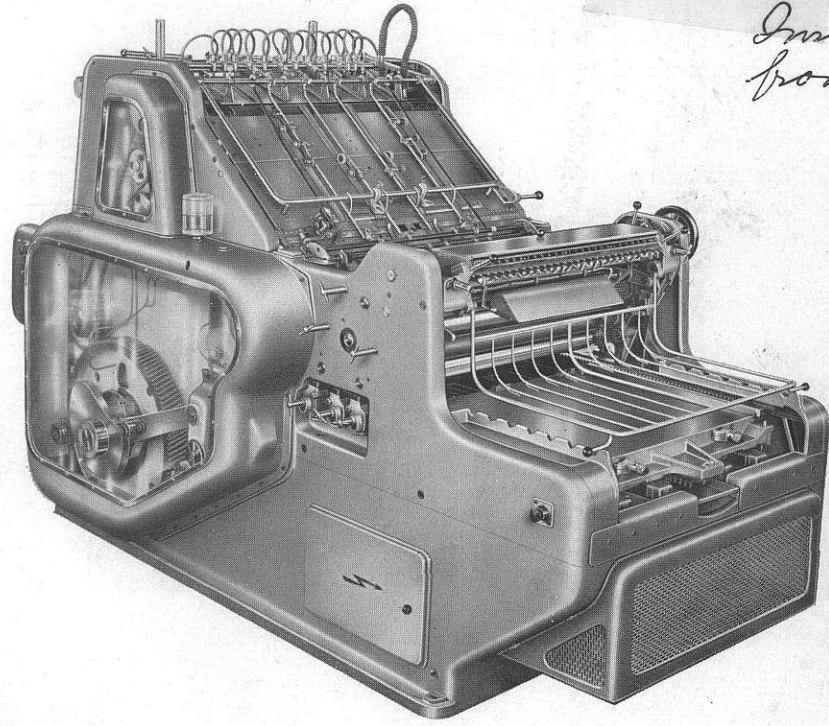


SPARE PARTS

MERGENTHALER 31

Letterpress is letter perfect



Inside front cover

MERGENTHALER LINOTYPE CO.

*Shunt as
Baltin*

M31 - Serial No 56968

PLATE N.

CUSTOMER

CONTRACT N.

DATE *5/18/62 installed*

DATE OF SHIPMENT

When you need a spare part,

you may apply to the nearest Mergenthaler
Linotype Co. service branch

by post



by telephone



by telegram



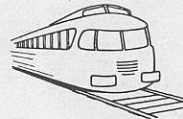
or, in case you have some friends
in a Broadcasting Company, by wireless message



Of course you may also come in person and fetch it away
by motor car



by train



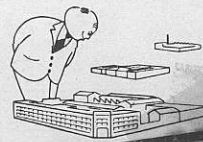
by bicycle



or by jet plane



and seize the opportunity
of visiting our
demonstration room



In all cases we kindly request you to
clearly state your requirements

ALWAYS MENTION
the exact catalogue serial number
of the parts you need
the exact serial number
of your press

Vague or incomplete requests cause delays or, worse, delivery of parts you do not need!

Give us your cooperation and we will see that the correct spare parts will reach you without delay!

MERGENTHALER LINOTYPE COMPANY

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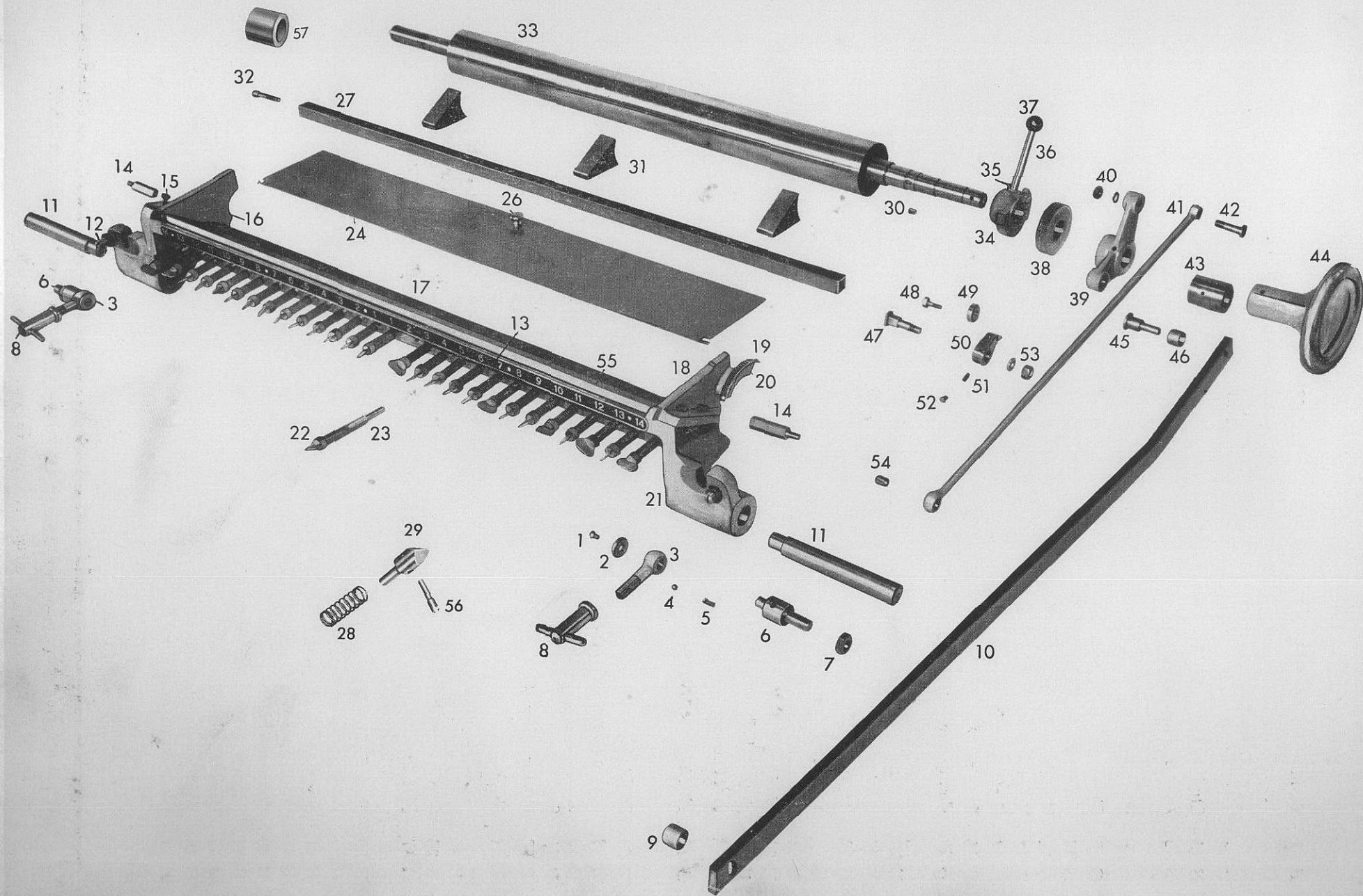
When ordering spare parts please always quote serial number of your press

INK FOUNTAIN

A

- | | |
|---|------------------------------------|
| A 1 - Screw | A 30 - Key |
| A 2 - Washer | A 31 - Fountain dividers |
| A 3 - Eye bolt | A 32 - Screw |
| A 4 - Ball | A 33 - Fountain roller |
| A 5 - Spring | A 34 - Fountain set wheel |
| A 6 - Stud | A 35 - Indicator |
| A 7 - Nut | A 36 - Handle for A 34 |
| A 8 - Wing nut | A 37 - Knob |
| A 9 - Bushing | A 38 - Ratchet wheel |
| A 10 - Fountain rod | A 39 - Fountain ratchet lever |
| A 11 - Pin for fountain coffin | A 40 - Nut and washer |
| A 12 - Screwing nut for fountain pin | A 41 - Fountain rod |
| A 13 - Fountain scale | A 42 - Pivot stud |
| A 14 - Stud | A 43 - Bushing |
| A 15 - Screw | A 44 - Fountain handwheel |
| A 16 - Fountain wall, gear side | A 45 - Shouldered stud |
| A 17 - Fountain blade | A 46 - Bushing |
| A 18 - Fountain wall, operating side | A 47 - Stud for fountain pawl |
| A 19 - Fountain adjustment scale | A 48 - Stud for roller A 49 |
| A 20 - Fountain adjustment scale support
bracket | A 49 - Cam roller |
| A 21 - Fountain coffin | A 50 - Fountain pawl |
| A 22 - Thumbscrew of fountain key | A 51 - Spring |
| A 23 - Fountain blade adjustment key | A 52 - Check pin for pawl |
| A 24 - Fountain cover | A 53 - Nut and washer |
| A 26 - Knob | A 54 - Bushing |
| A 27 - Connecting rod | A 55 - Fountain blade back plate |
| A 28 - Pressure spring | A 56 - Check pin for plunger A 29 |
| A 29 - Plunger | A 57 - Bushing for fountain roller |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: A 26 - Knob



INK FOUNTAIN

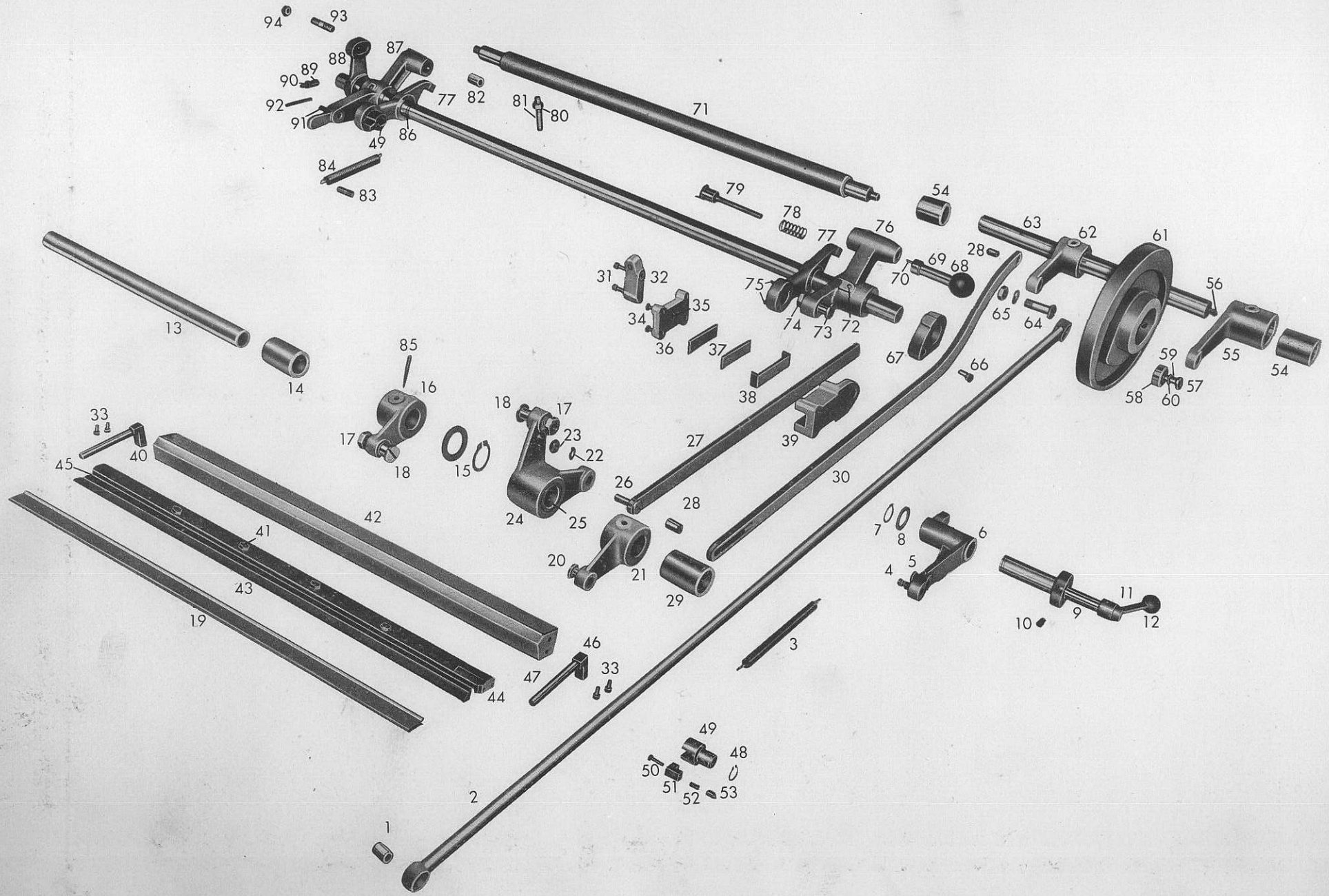
A

DUCTOR ROLLER AND WASH UP

B

- | | |
|--|--|
| B 1 - Bushing for tie rod | B 48 - Circlip |
| B 2 - Tie rod for ductor roller drive | B 49 - Roller journal box |
| B 3 - Tension spring | B 50 - Screw |
| B 4 - Spring stud | B 51 - Wash up ratchet casting |
| B 5 - Stud | B 52 - Spring |
| B 6 - Ductor roller trip lever | B 53 - Stop pawl |
| B 7 - Circlip | B 54 - Bushing |
| B 8 - Washer | B 55 - Cam lever |
| B 9 - Pivot pin for fountain trip lever | B 56 - Oil cap |
| B 10 - Taper pin and collar | B 57 - Nut |
| B 11 - Handle | B 58 - Cam roller |
| B 12 - Knob | B 59 - Cam roller stud |
| B 13 - Shaft | B 60 - Washer |
| B 14 - Bushing | B 61 - Ductor roller drive cam |
| B 15 - Circlip and washer | B 62 - Lever |
| B 16 - Intermediate lever | B 63 - Shaft |
| B 17 - Nut and washer | B 64 - Threaded stud |
| B 18 - Pivot stud | B 65 - Nut and washer |
| B 19 - Holder for wash up blade | B 66 - Screw |
| B 20 - Pivot stud | B 67 - Lever |
| B 21 - Lever, intermediate | B 68 - Knob |
| B 22 - Washer | B 69 - Handle |
| B 23 - Nut | B 70 - Pin |
| B 24 - Front lever | B 71 - Ductor roller core |
| B 25 - Bushing for B 24 | B 72 - Pin |
| B 26 - Stud | B 73 - Stud |
| B 27 - Flat rod | B 74 - Nut and washer |
| B 28 - Bushing | B 75 - Screws |
| B 29 - Bushing for B 13 | B 76 - Ductor roller bracket, operating side |
| B 30 - Slotted rod | B 77 - Roller supporting lever |
| B 31 - Screws | B 78 - Spring |
| B 32 - Ductor roller stop | B 79 - Lock for roller handle |
| B 33 - Screws | B 80 - Nut |
| B 34 - Screws | B 81 - Stud |
| B 35 - Screw and nut | B 82 - Bushing |
| B 36 - Cap for B 39 | B 83 - Spring pin |
| B 37 - Flat springs for B 38 | B 84 - Tension spring |
| B 38 - Guide sliding block | B 85 - Pin |
| B 39 - Slotted casting | B 86 - Circlip |
| B 40 - Wash up handle block, gear side | B 87 - Ductor roller bracket, gear side |
| B 41 - Screw, nut and washer | B 88 - Lever |
| B 42 - Wash up basin | B 89 - Screw |
| B 43 - Wash up blade  | B 90 - Nut |
| B 44 - Support bracket for B 45 | B 91 - Screw |
| B 45 - Backing plate for B 42 | B 92 - Pin |
| B 46 - Wash up handle block, operating side | B 93 - Threaded stud |
| B 47 - Wash up basin handles | B 94 - Nut |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: B 42 - Wash up basin



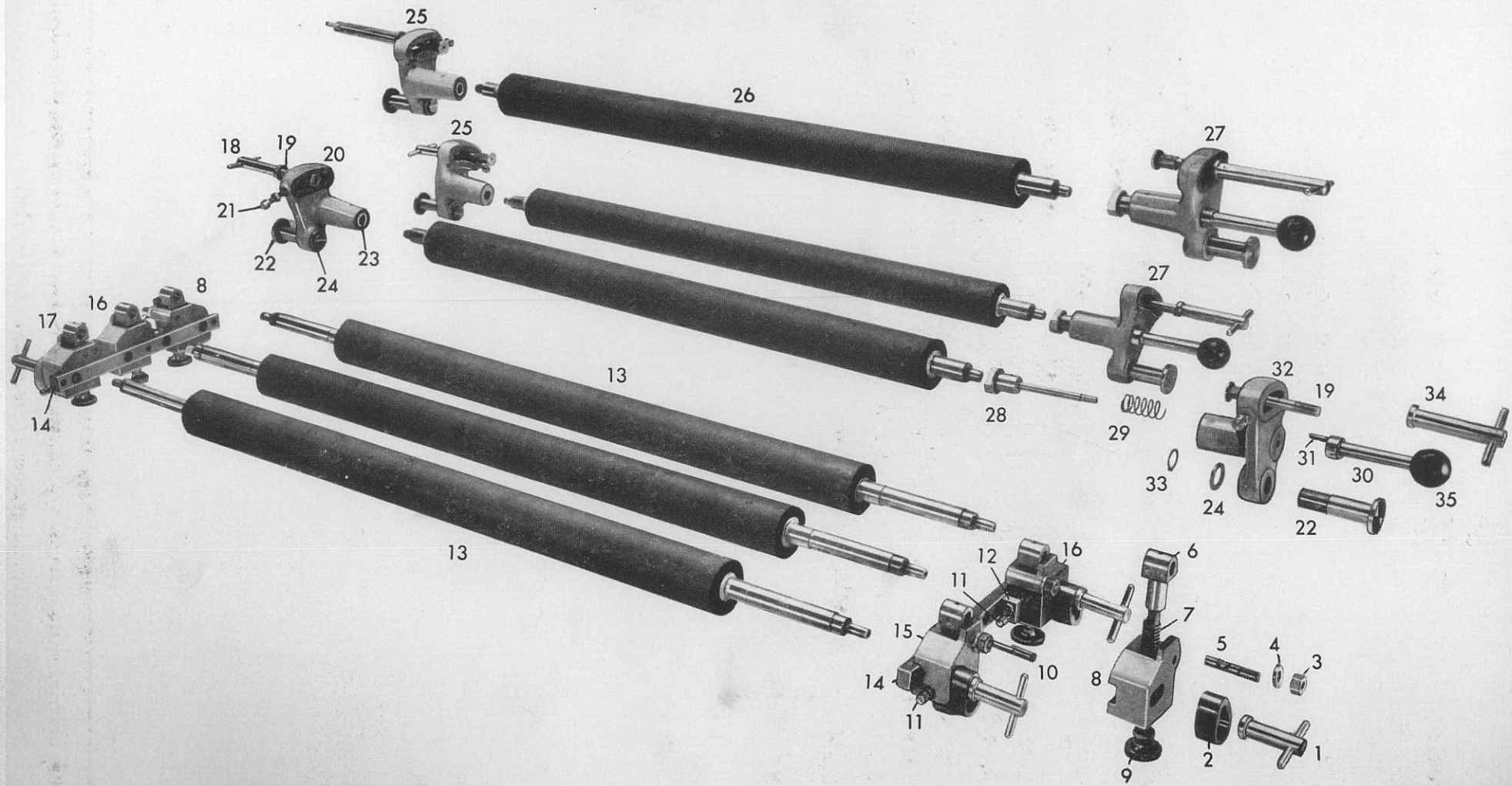
DUCTOR ROLLER AND WASH UP

INK DISTRIBUTION

C

- | | |
|--|---|
| C 1 - Winged nut | C 18 - Winged nut |
| C 2 - Collar for roller box | C 19 - Stud |
| C 3 - Nut | C 20 - Roller adjusting bracket, gear side (front) |
| C 4 - Washer | C 21 - Stop screw and lock nut |
| C 5 - Pin | C 22 - Stud |
| C 6 - Journal box | C 23 - Bushing |
| C 7 - Spring for journal box | C 24 - Washer |
| C 8 - Centre roller box (operating side) or rear roller box (gear side) | C 25 - Roller adjusting bracket, gear side (rear) |
| C 9 - Adjusting screw | C 26 - Distributing rollers |
| C 10 - Stop pin | C 27 - Roller adjusting bracket, operating side, (rear) |
| C 11 - Adjusting screw and lock nut | C 28 - Lock for roller handle |
| C 12 - Stop screw plate | C 29 - Spring for lock C 28 |
| C 13 - Form inking rollers | C 30 - Roller handle |
| C 14 - Support bar for roller box | C 31 - Guide plate for roller handle |
| C 15 - Front roller box (operating side) | C 32 - Roller adjusting bracket, operating side (front) |
| C 16 - Rear roller box (operating side) or centre roller box (gear side) | C 33 - Circlip |
| C 17 - Front roller box (gear side) | C 34 - Winged nut |
| | C 35 - Knob |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: C 5 - Pin



INK DISTRIBUTION

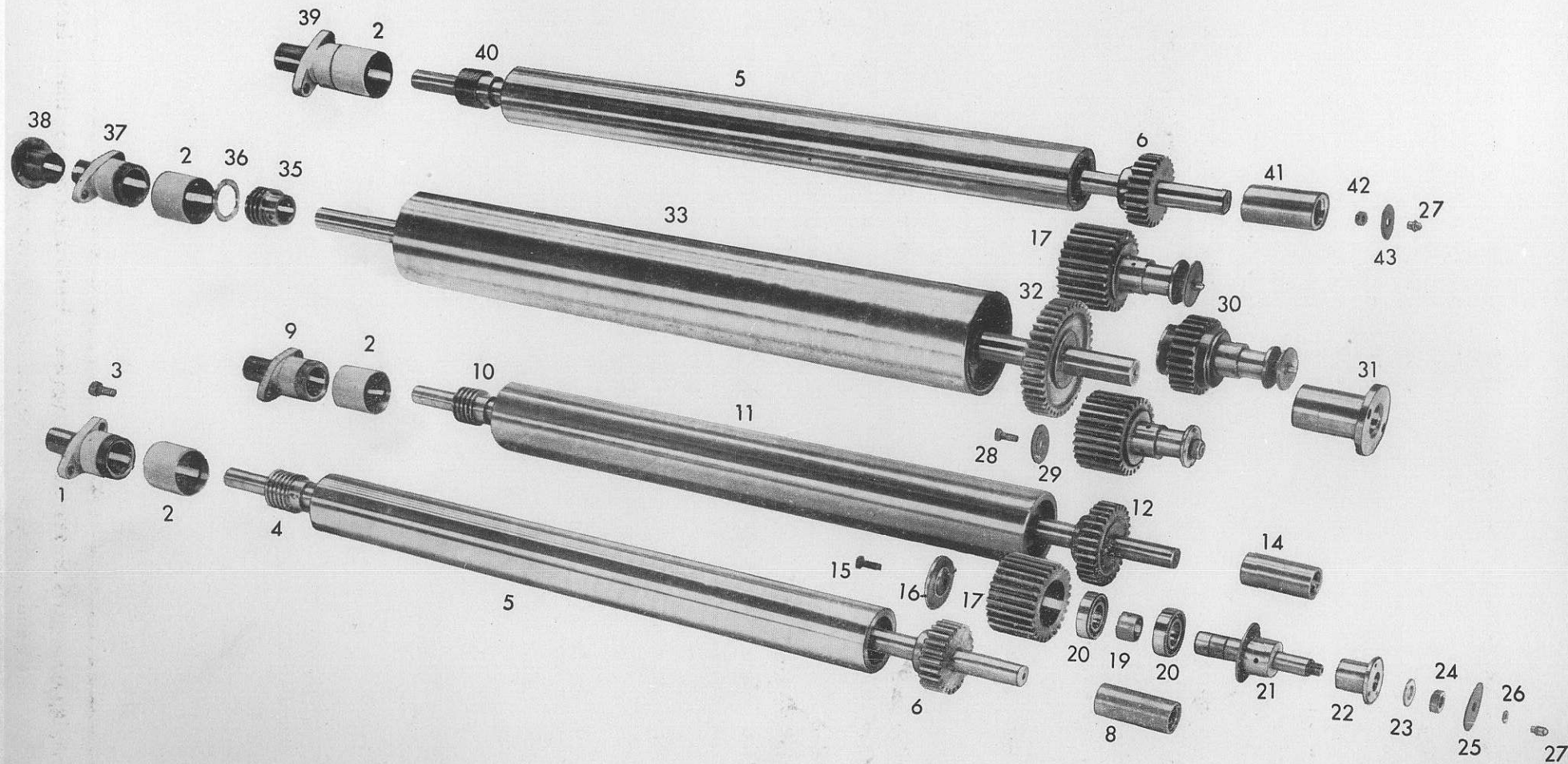


INK DISTRIBUTION

D

- | | |
|--|---|
| <p>D 1 - Lower support bracket for vibrator roller, gear side</p> <p>D 2 - Oil retainer</p> <p>D 3 - Allen screw</p> <p>D 4 - Worm gear</p> <p>D 5 - Small vibrator roller</p> <p>D 6 - Gear for D 5</p> <p>D 8 - Bushing for lower vibrator roller</p> <p>D 9 - Support bracket for centre vibrator roller, gear side</p> <p>D 10 - Worm gear for D 11</p> <p>D 11 - Centre vibrator roller</p> <p>D 12 - Gear for D 11</p> <p>D 14 - Bushing for D 11, operating side</p> <p>D 15 - Screw</p> <p>D 16 - Washer</p> <p>D 17 - Intermediate gear</p> <p>D 19 - Distance collar</p> <p>D 20 - Ball bearing</p> <p>D 21 - Stud for intermediate gear</p> <p>D 22 - Bushing for D 21</p> <p>D 23 - Washer</p> | <p>D 24 - Nut</p> <p>D 25 - Washer for D 22</p> <p>D 26 - Washer</p> <p>D 27 - Oil cap</p> <p>D 28 - Screw</p> <p>D 29 - Washer</p> <p>D 30 - Upper intermediate gear</p> <p>D 31 - Bushing for D 33, operating side</p> <p>D 32 - Gear for large vibrator roller</p> <p>D 33 - Large vibrator roller</p> <p>D 35 - Worm gear for D 33</p> <p>D 36 - Washer for D 2</p> <p>D 37 - Support bracket for large vibrator roller</p> <p>D 38 - Bushing for D 37</p> <p>D 39 - Support bracket for small upper vibrator roller, gear side</p> <p>D 40 - Worm gear for small upper vibrator roller</p> <p>D 41 - Bushing for small upper vibrator roller, operating side</p> <p>D 42 - Nut</p> <p>D 43 - Plate for oil cap</p> |
|--|---|

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance : D 15 - Screw



INK DISTRIBUTION



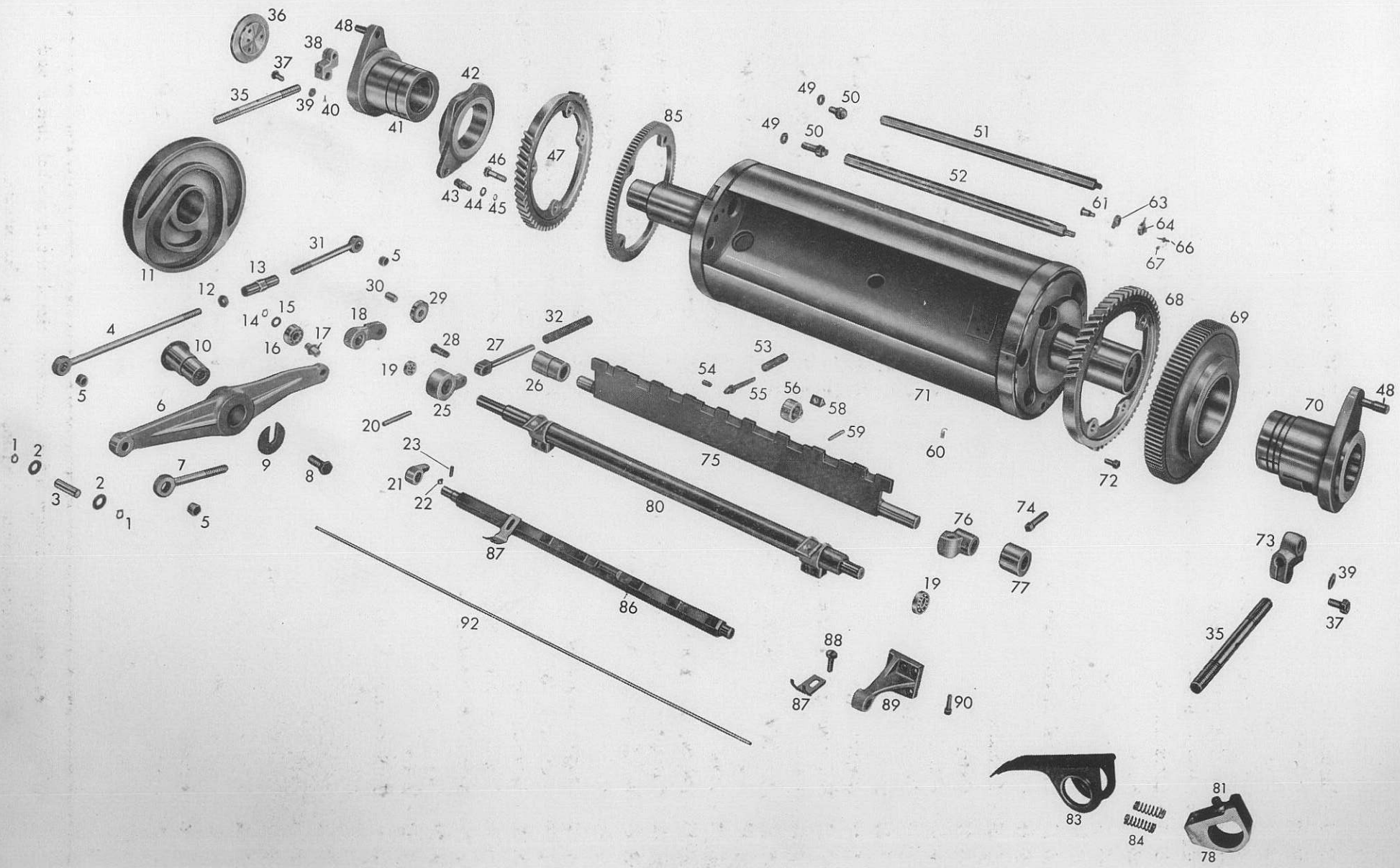
PRINTING CYLINDER

E

- E 1 - Circlip
- E 2 - Washer
- E 3 - Pivot pin
- E 4 - Cylinder gripper adjusting rod
- E 5 - Bushings for adjusting rod
- E 6 - Casting for gripper operating cam
- E 7 - Adjusting rod
- E 8 - Screw
- E 9 - Slotted washer
- E 10 - Stud for casting E 6
- E 11 - Cam for gripper opening
- E 12 - Nut
- E 13 - Turnbuckle
- E 14 - Circlip
- E 15 - Washer
- E 16 - Ball bearing
- E 17 - Stud
- E 18 - Gripper lever
- E 19 - Ball bearing for gripper shaft
- E 20 - Pin
- E 21 - Stop lever for register guide bar
- E 22 - Nut
- E 23 - Screw
- E 25 - Gripper tension lever
- E 26 - Bushing for packing tension bar, gear side
- E 27 - Rod for gripper tension lever
- E 28 - Stud
- E 29 - Gripper cam roller
- E 30 - Stud for E 29
- E 31 - Adjusting rod
- E 32 - Gripper tension spring
- E 35 - Impression adjusting rods
- E 36 - Cap for cylinder
- E 37 - Screw
- E 38 - Block for cylinder impression adjustment rod, gear side
- E 39 - Washer
- E 40 - Screw
- E 41 - Cylinder bearing, gear side
- E 42 - Gripper operating cam
- E 43 - Stud for E 42
- E 44 - Washer
- E 45 - Circlip
- E 46 - Screw for cylinder segment
- E 47 - Cylinder segment, gear side
- E 48 - Studs for cylinder bearings
- E 49 - Nut
- E 50 - Stud
- E 51 - Reel bar
- E 52 - Slotted reel bar
- E 53 - Spring
- E 54 - Slotted screw
- E 55 - Guide pin for spring
- E 56 - Guide casting
- E 58 - Guide block for spring and pin
- E 59 - Pin
- E 60 - Spring hook
- E 61 - Stud for E 63
- E 63 - Reel bar pawl
- E 64 - Slotted reel bar pawl
- E 66 - Threaded pin for reel bar pawl
- E 67 - Spring
- E 68 - Cylinder segment, operating side
- E 69 - Cylinder gear ink driving mechanism
- E 70 - Cylinder bearing, operating side
- E 71 - Impression cylinder
- E 72 - Screw for cylinder segment
- E 73 - Block for cylinder impression adjustment rod, operating side
- E 74 - Adjusting screw for packing clamp
- E 75 - Packing clamp
- E 76 - Bracket for packing clamp
- E 77 - Bushing for packing clamp, operating side
- E 78 - Gripper support block
- E 80 - Gripper shaft
- E 81 - Screw
- E 82 - Bushing for E 69
- E 83 - Cylinder gripper
- E 84 - Springs
- E 85 - Sheet turning drum segment gear
- E 86 - Register guide bar
- E 87 - Register guide
- E 88 - Guide clamping screw
- E 89 - Register guide bar bracket
- E 90 - Screw
- E 92 - Rod for pre-makeready blanket

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: E 36 - Cap for cylinder

PRINTING CYLINDER

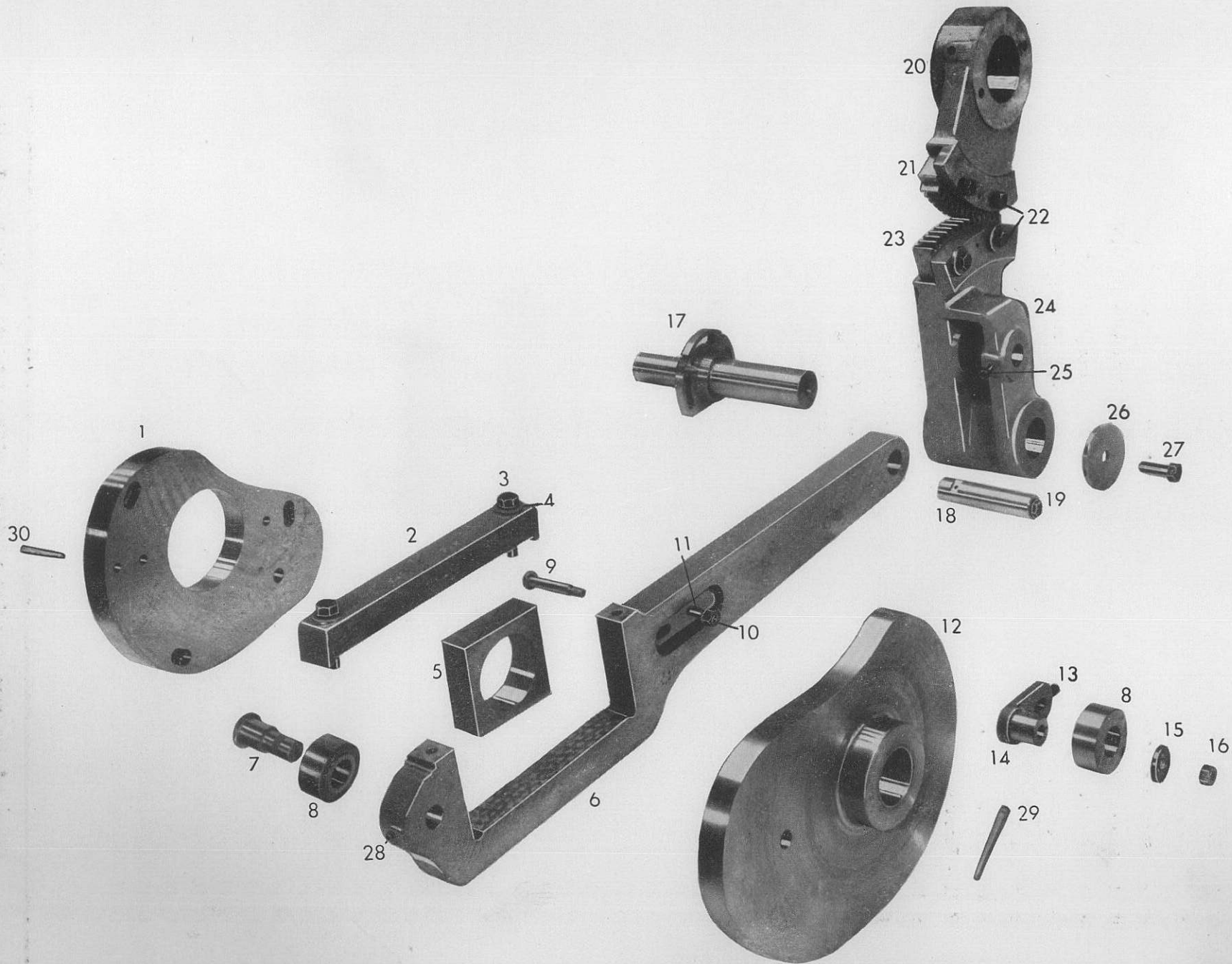


PRINTING CYLINDER DRIVE

F

- | | |
|---------------------------|--------------------------------|
| F 1 - Inner drive cam | F 16 - Nut |
| F 2 - Cap | F 17 - Eccentric stud |
| F 3 - Bolt | F 18 - Stud for cross head bar |
| F 4 - Washer | F 19 - Screw |
| F 5 - Cross head slide | F 20 - Outer segment |
| F 6 - Cross head bar | F 21 - Rack for outer segment |
| F 7 - Stud for cam roller | F 22 - Screw with washer |
| F 8 - Cam roller | F 23 - Rack for lower segment |
| F 9 - Stud | F 24 - Lower segment |
| F 10 - Nut and washer | F 25 - Lock screw |
| F 11 - Threaded stud | F 26 - Washer |
| F 12 - Outer cam | F 27 - Screw |
| F 13 - Screw | F 28 - Lock screw |
| F 14 - Adjustable bracket | F 29 - Taper pin |
| F 15 - Washer | F 30 - Taper pin |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: F 25 - Lock screw



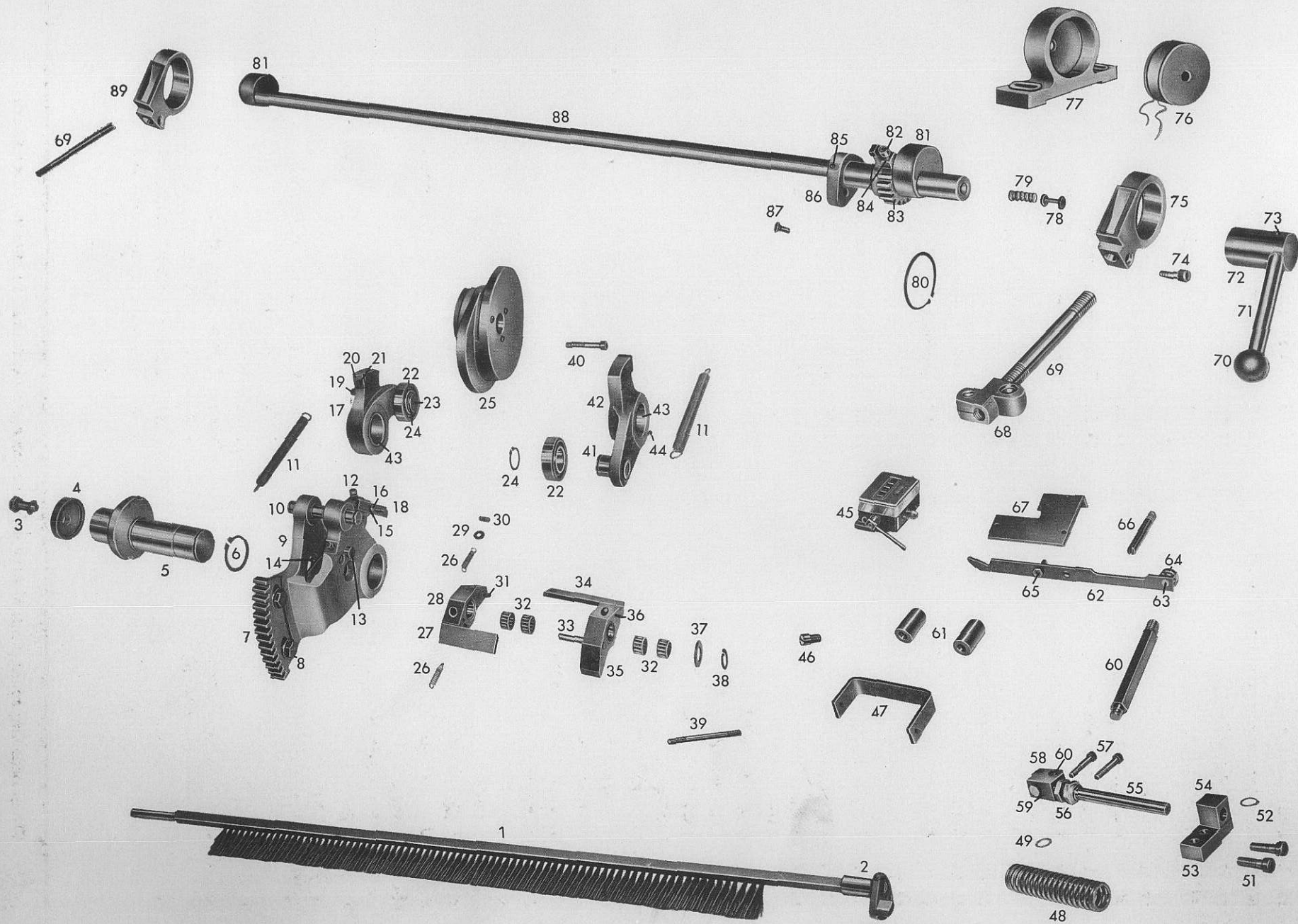
PRINTING CYLINDER DRIVE

PRINTING CYLINDER LIFT

G

- G 1 - Cylinder brush
- G 2 - Cylinder brush adjustment bracket
- G 3 - Screw and washer
- G 4 - Cap
- G 5 - Stud
- G 6 - Circlip
- G 7 - Segment for cylinder lift
- G 8 - Screw and washer
- G 9 - Segment support lever
- G 10 - Stud for ratchet
- G 11 - Tension spring for G 44
- G 12 - Screw and nut
- G 13 - Screw
- G 14 - Stud
- G 15 - Circlip
- G 16 - Stud
- G 17 - Cylinder lowering lever
- G 18 - Ratchet plate
- G 19 - Hook
- G 20 - Plate
- G 21 - Screw for G 20
- G 22 - Ball bearing
- G 23 - Stud for G 22
- G 24 - Circlip
- G 25 - Cam operating automatic lift
- G 26 - Tension spring for G 28 and G 35
- G 27 - Ratchet plate
- G 28 - Ratchet pawl operating cylinder lowering
- G 29 - Washer
- G 30 - Stud
- G 31 - Spring hook
- G 32 - Roller cage
- G 33 - Ratchet pawls connecting stud
- G 34 - Ratchet plate
- G 35 - Ratchet pawl operating cylinder lift
- G 36 - Pin
- G 37 - Washer
- G 38 - Circlip
- G 39 - Stud
- G 40 - Screw
- G 41 - Stud for ball bearing
- G 42 - Lever for cylinder lift
- G 43 - Lever bushing
- G 44 - Spring hook for G 11
- G 45 - Sheet counter
- G 46 - Stop screw
- G 47 - Bracket
- G 48 - Spring for cylinder lift
- G 49 - Washer
- G 51 - Screw
- G 52 - Circlip
- G 53 - Block for G 55
- G 54 - Support guide for G 55
- G 55 - Guide pin for spring G 48
- G 56 - Spring adjustment nut
- G 57 - Screw
- G 58 - Small block for G 55
- G 59 - Circlip
- G 60 - Spring hook
- G 61 - Distance collars for G 77
- G 62 - Flat rod for sheet counter drive
- G 63 - Stud
- G 64 - Ball bearing and circlip
- G 65 - Hook
- G 66 - Stud
- G 67 - Sheet counter support bracket
- G 68 - Joint
- G 69 - Cylinder lift adjustment rod
- G 70 - Knob
- G 71 - Handle for cylinder lift manual control
- G 72 - Hub for G 71
- G 73 - Pin
- G 74 - Screw
- G 75 - Joint for eccentric, operating side
- G 76 - Coil for relay
- G 77 - Housing for relay coil
- G 78 - Plunger for disconnecting G 71
- G 79 - Spring for G 78
- G 80 - Circlip for G 81
- G 81 - Eccentric bushing for cylinder lift
- G 82 - Screw and washer
- G 83 - Gear for automatic cylinder lift
- G 84 - Stop block
- G 85 - Pin
- G 86 - Ductor roller control lever
- G 87 - Screw for G 86
- G 88 - Cylinder lift drive shaft
- G 89 - Joint for eccentric, gear side

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: G 42 - Circlip



PRINTING CYLINDER LIFT

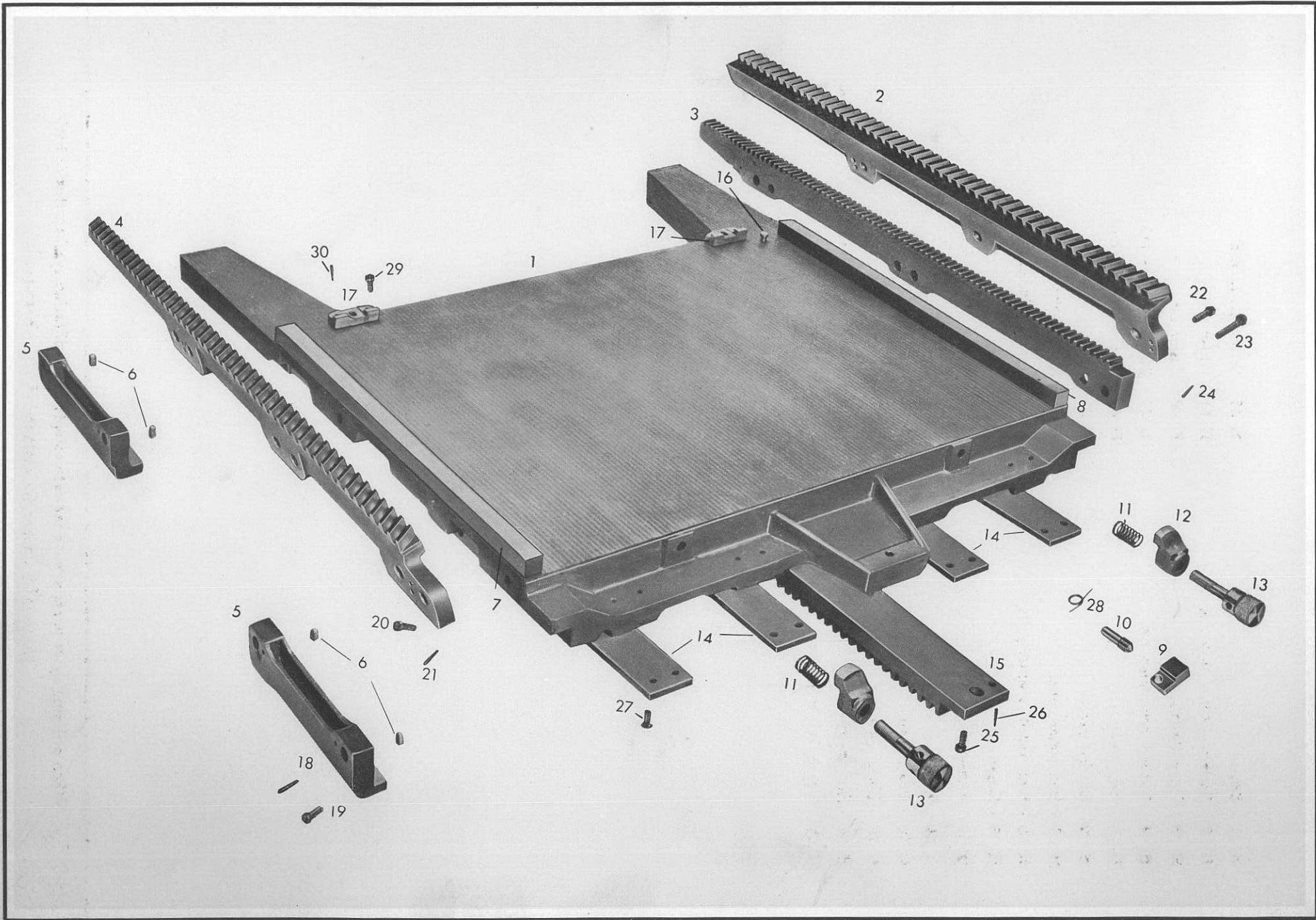


B E D

H

- | | |
|--|--------------------------|
| H 1 - Bed | H 16 - Chase guide stud |
| H 2 - Register rack, operating side | H 17 - Chase stops |
| H 3 - Inker driving rack | H 18 - Taper pin |
| H 4 - Register rack, gear side | H 19 - Screw with washer |
| H 5 - Bed gibs | H 20 - Screw with washer |
| H 6 - Oil felt pads | H 21 - Taper pin |
| H 7 - Bed bearer, gear side | H 22 - Screw with washer |
| H 8 - Bed bearer, operating side | H 23 - Screw with washer |
| H 9 - Chase safety catch | H 24 - Taper pin |
| H 10 - Threaded stud | H 25 - Screw with washer |
| H 11 - Spring | H 26 - Taper pin |
| H 12 - Chase clamp | H 27 - Screw |
| + H 13 - Chase clamp screw <i>ordered 3 - 7/9/63</i> | H 28 - Coil spring |
| H 14 - Bed steels | H 29 - Screw and washer |
| H 15 - Upper bed rack | H 30 - Taper pin |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: H 26 - Taper pin



B E D

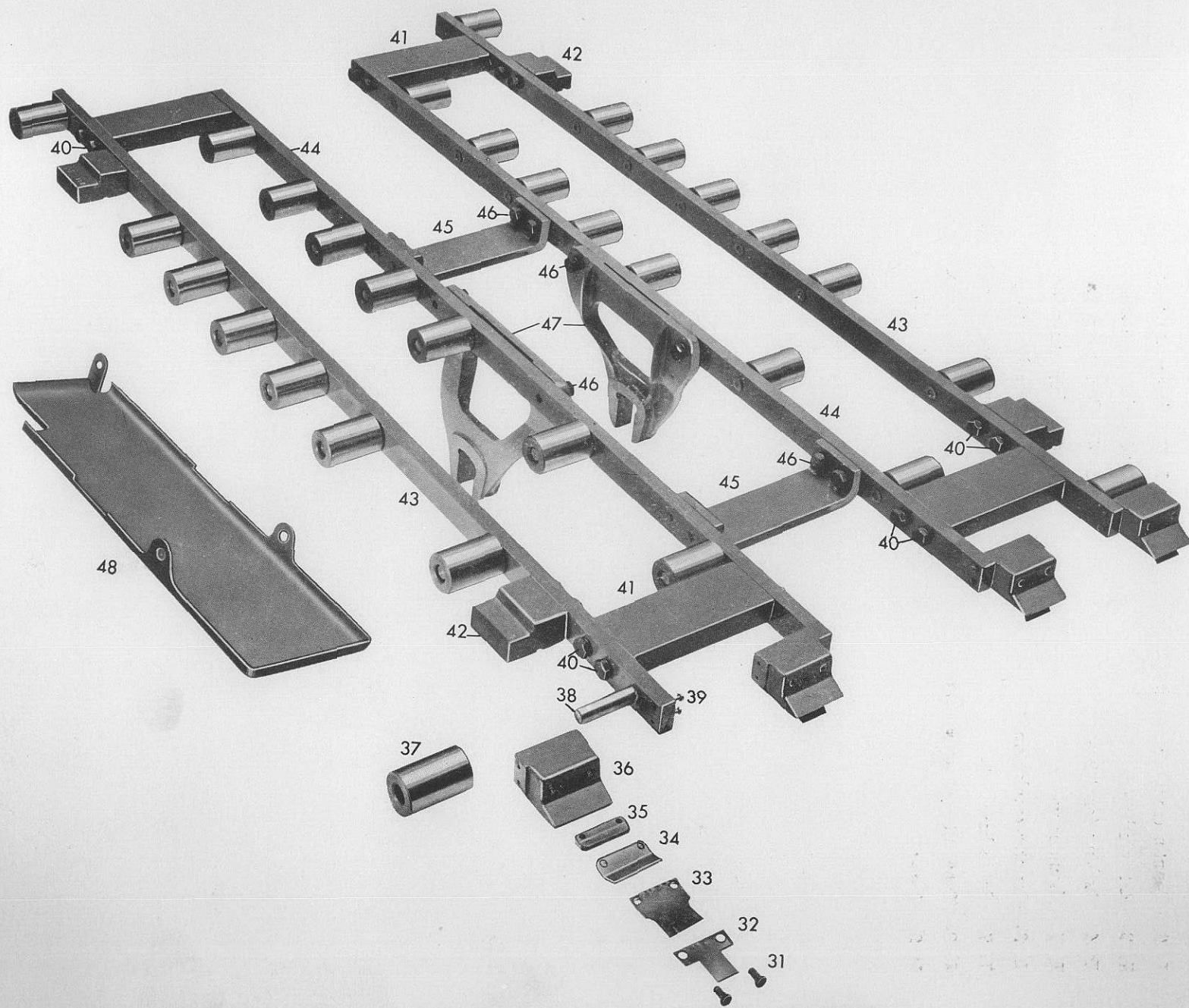
H

STEEL BED ROLLERS

H

- | | |
|-----------------------------------|---|
| H 31 - Screws | H 40 - Screws and washers |
| H 32 - Spring plate | H 41 - Slider space casting |
| H 33 - Oil pad | H 42 - Guide blocks for bed rollers frame |
| H 34 - Curved lock plate | H 43 - Bed roller rod, outer |
| H 35 - Lock plate | H 44 - Bed roller rod, inner |
| H 36 - Block for oiler pads | H 45 - Tie bracket |
| H 37 - Bed slider roller | H 46 - Screw |
| H 38 - Stud for bed slider roller | H 47 - Slider guide brackets |
| H 39 - Screws | H 48 - Guard |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: H 39 - Screws



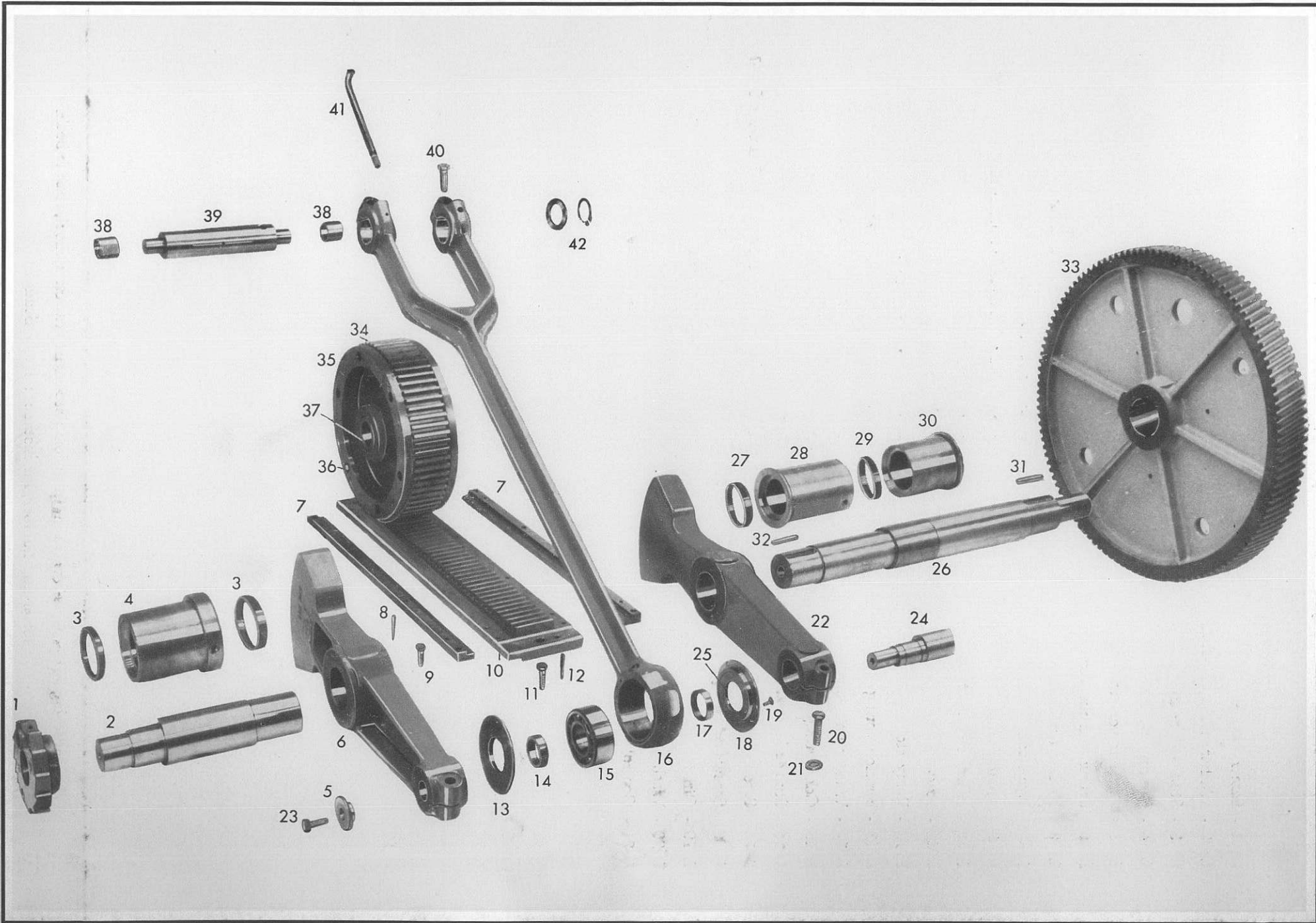
STEEL BED ROLLERS

H

BED DRIVE

- I 1 - Ratchet wheel
- I 2 - Counter crank arm shaft
- I 3 - Retaining rings
- I 4 - Bushing for I 2
- I 5 - Shoulder washer
- I 6 - Counter crank arm
- I 7 - Guide bars
- I 8 - Taper pin
- I 9 - Screw
- I 10 - Lower bed motion rack
- I 11 - Screw
- I 12 - Taper pin
- I 13 - Retaining flange
- I 14 - Space collar
- I 15 - Ball bearing
- I 16 - Connecting rod
- I 17 - Ring
- I 18 - Shouldered flange
- I 19 - Screw
- I 20 - Screw
- I 21 - Washer
- I 22 - Crank arm
- I 23 - Screw
- I 24 - Eccentric stud
- I 25 - Gasket
- I 26 - Main shaft
- I 27 - Retaining ring
- I 28 - Bushing for main shaft
- I 29 - Retaining ring
- I 30 - Outer bushing for main shaft
- I 31 - Key
- I 32 - Key
- I 33 - Main drive gear
- I 34 - Main drive pinion gear
- I 35 - Pinion gear guide disc
- I 36 - Pinion guide studs
- I 37 - Bushing for I 34
- I 38 - Bushing for slider guide brackets H 47
- I 39 - Stud for connecting rod
- I 40 - Screw and washer
- I 41 - Oil pipe
- I 42 - Circlip and washer

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: I 11 - Screw



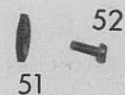
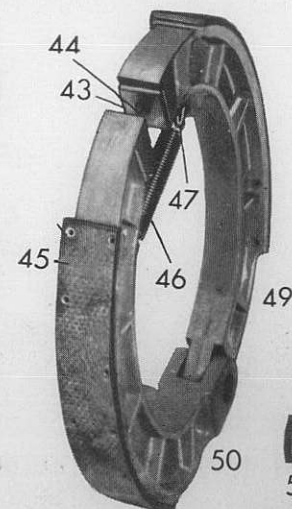
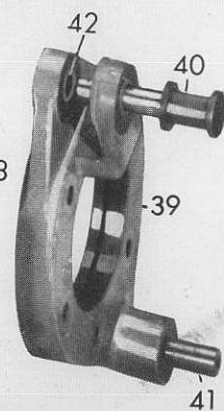
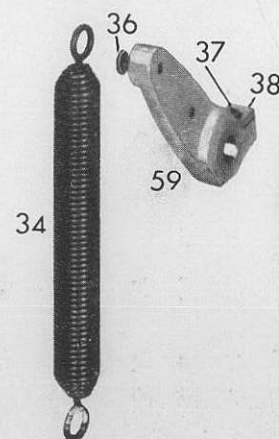
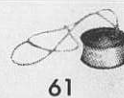
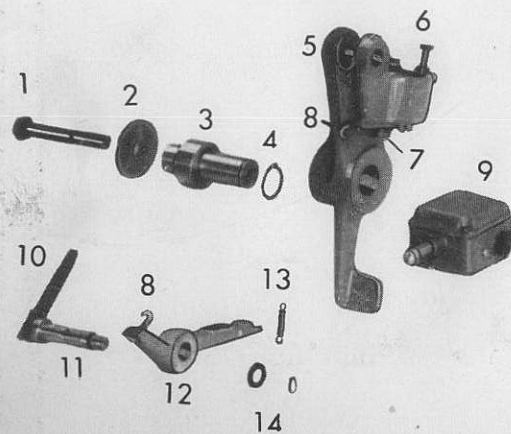
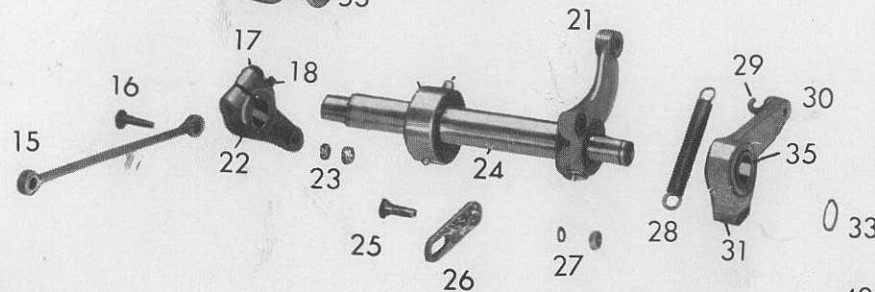
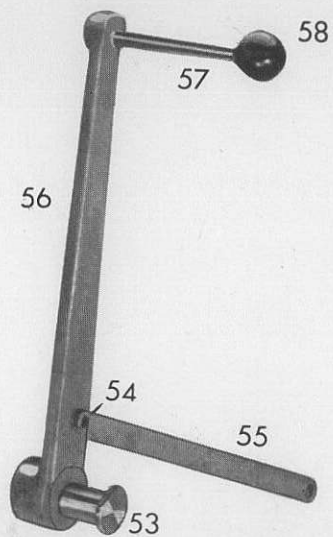
BED DRIVE

BRAKE ASSEMBLY

- L 1 - Screw
- L 2 - Washer
- L 3 - Stud
- L 4 - Circlip
- L 5 - Lever for electric trip
- L 6 - Screw and nut
- L 7 - Nut and washer
- L 8 - Eye hook
- L 9 - Micro-switch
- L 10 - Electric contact
- L 11 - Stud for relay contact
- L 12 - Relay stop lever
- L 13 - Tension spring
- L 14 - Washer and circlip
- L 15 - Connecting rod
- L 16 - Stud
- L 17 - Screw
- L 18 - Screw
- L 19 - Circlip
- L 20 - Washer
- L 21 - Control lever
- L 22 - Stop lever
- L 23 - Nut and washer
- L 24 - Shaft
- L 25 - Stud
- L 26 - Slotted link
- L 27 - Nut and washer
- L 28 - Tension spring
- L 29 - Eye hook
- L 30 - Lock lever
- L 31 - Lock lever plate
- L 33 - Circlip
- L 34 - Tension spring
- L 35 - Bushing for lock lever
- L 36 - Spring pin
- L 37 - Screw
- L 38 - Plate
- L 39 - Brake supporting flange
- L 40 - Stud operating brake shoes
- L 41 - Pivot stud
- L 42 - Bushing for L 40
- L 43 - Brake shoe plate
- L 44 - Screw
- L 45 - Brake lining
- L 46 - Brake tension spring
- L 47 - Eye hook
- L 49 - Brake shoe, right
- L 50 - Brake shoe, left
- L 51 - Washer
- L 52 - Screw
- L 53 - Brake handle stud
- L 54 - Stud and nut
- L 55 - Connecting link
- L 56 - Brake lever
- L 57 - Brake handle
- L 58 - Knob
- L 59 - Brake tension lever
- L 60 - Guard
- L 61 - Coil for relay

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: L 3 - Stud

19 20



DRIVE ASSEMBLY

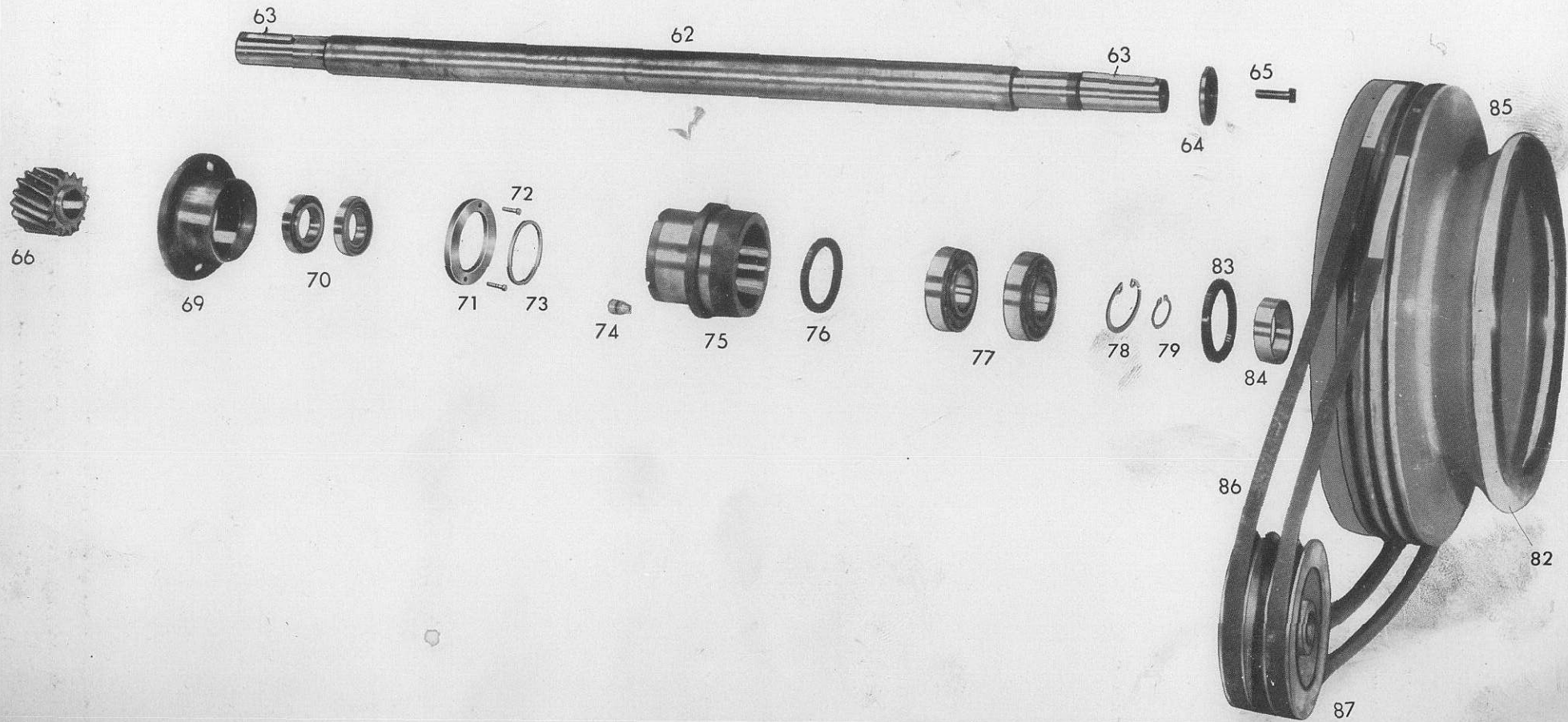


DRIVE ASSEMBLY

L

- | | |
|----------------------------------|---|
| L 62 - Flywheel shaft | L 75 - Eccentric bushing for flywheel shaft |
| L 63 - Key | L 76 - Rubber washer |
| L 64 - Washer for flywheel shaft | L 77 - Ball bearings |
| L 65 - Screw | L 78 - Circlip |
| L 66 - Press drive pinion gear | L 79 - Circlip |
| L 69 - Bearing flange gear side | L 82 - Handrail for flywheel |
| L 70 - Ball bearings | L 83 - Oil seal ring |
| L 71 - Ball bearings shim ring | L 84 - Bushing |
| L 72 - Screws | L 85 - Flywheel |
| L 73 - Gasket | L 86 - V belts |
| L 74 - Pipe fitting | L 87 - Motor pulley |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: L 63 - Key



BRAKE ASSEMBLY

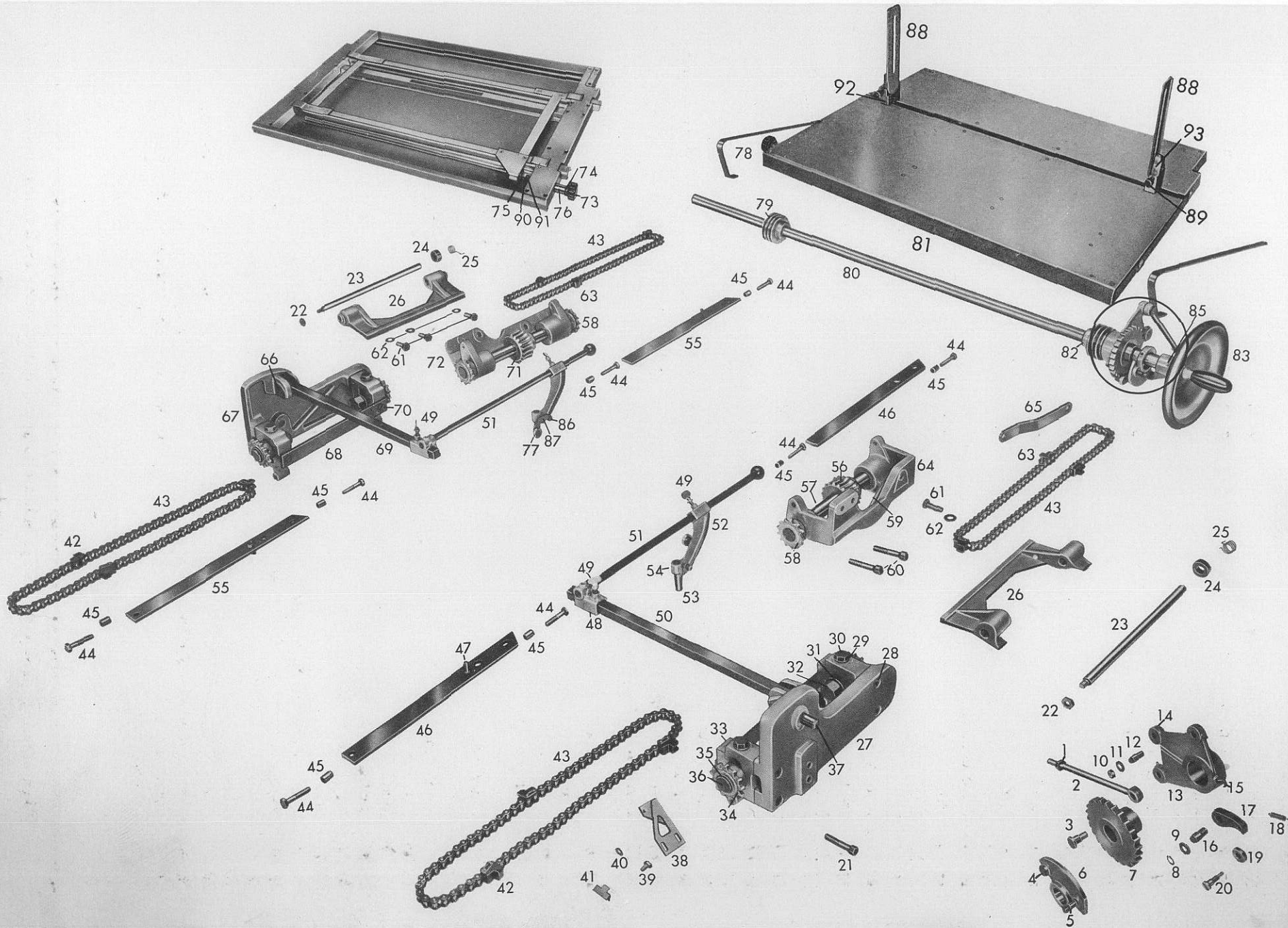


FEEDER ASSEMBLY

M

- | | |
|--|---|
| <p>M 1 - Nut
 M 2 - Connecting rod
 M 3 - Stud
 M 4 - Stud
 M 5 - Spring pin
 M 6 - Cam for ratchet wheel
 M 7 - Ratchet wheel
 M 8 - Circlip
 M 9 - Washer
 M 10 - Nut
 M 11 - Washer
 M 12 - Stud
 M 13 - Ratchet lever
 M 14 - Pin
 M 15 - Eye hook
 M 16 - Stud
 M 17 - Pawl for ratchet
 M 18 - Tension spring
 M 19 - Cam roller
 M 20 - Stud for M 19
 M 21 - Lock screw for M 27
 M 22 - Nut
 M 23 - Shafts
 M 24 - Tension spring adjustment collar
 M 25 - Tension spring for M 24
 M 26 - Feed board lifting bracket
 M 27 - Rear standard support bracket, operating side
 M 28 - Allen screw
 M 29 - Washer
 M 30 - Screw
 M 31 - Washer
 M 32 - Nut
 M 33 - Chain adjusting support
 M 34 - Gear for chain
 M 35 - Spring clip
 M 36 - Stud for gear
 M 37 - Stud
 M 38 - Switch plate
 M 39 - Screw for M 38
 M 40 - Washer
 M 41 - Limit switch for feed board
 M 42 - Support bracket for feed board
 M 43 - Chain
 M 44 - Screw
 M 45 - Space collar
 M 46 - Chain guide bar, operating side
 M 47 - Screw and nut
 M 48 - Support bracket</p> | <p>M 49 - Thumbscrew
 M 50 - Extension bar, operating side
 M 51 - Rear sheet steadier support bar
 M 52 - Rear sheet steadier support bracket
 M 53 - Rear sheet steadier
 M 54 - Stop
 M 55 - Chain guide bar, operating side
 M 56 - Worm gear, operating side
 M 57 - Shaft
 M 58 - Sprocket gear
 M 59 - Taper pin
 M 60 - Screws for support block
 M 61 - Screw
 M 62 - Washer
 M 63 - Rear support bracket for feed board
 M 64 - Support bracket for worm gear and shaft, operating side
 M 65 - Connecting link
 M 66 - Pivot stud
 M 67 - Rear standard support bracket, gear side
 M 68 - Support bar
 M 69 - Extension bar, gear side
 M 70 - Screw
 M 71 - Worm gear, gear side
 M 72 - Support bracket for worm gear and shaft, gear side
 M 73 - Knob for feed board lateral adjustment
 M 74 - Pin
 M 75 - Stud
 M 76 - Distance collar
 M 77 - Paper guide roller
 M 78 - Feed board rest
 M 79 - Worm gear, gear side
 M 80 - Handwheel shaft
 M 81 - Feed board
 M 82 - Worm gear, operating side
 M 83 - Handwheel
 M 83 - Handwheel handle
 M 85 - Pin
 M 86 - Pivot stud
 M 87 - Bracket for M 77
 M 88 - Side standards
 M 89 - Side standard lock nut
 M 90 - Shim ring
 M 91 - Pin
 M 92 - Support bracket for side standard, operating side
 M 93 - Support bracket for side standard, gear side</p> |
|--|---|

When ordering spare parts always indicate complete identification symbol, that is both
 letter and number, for instance: M 44 - Screw



FEDDER ASSEMBLY

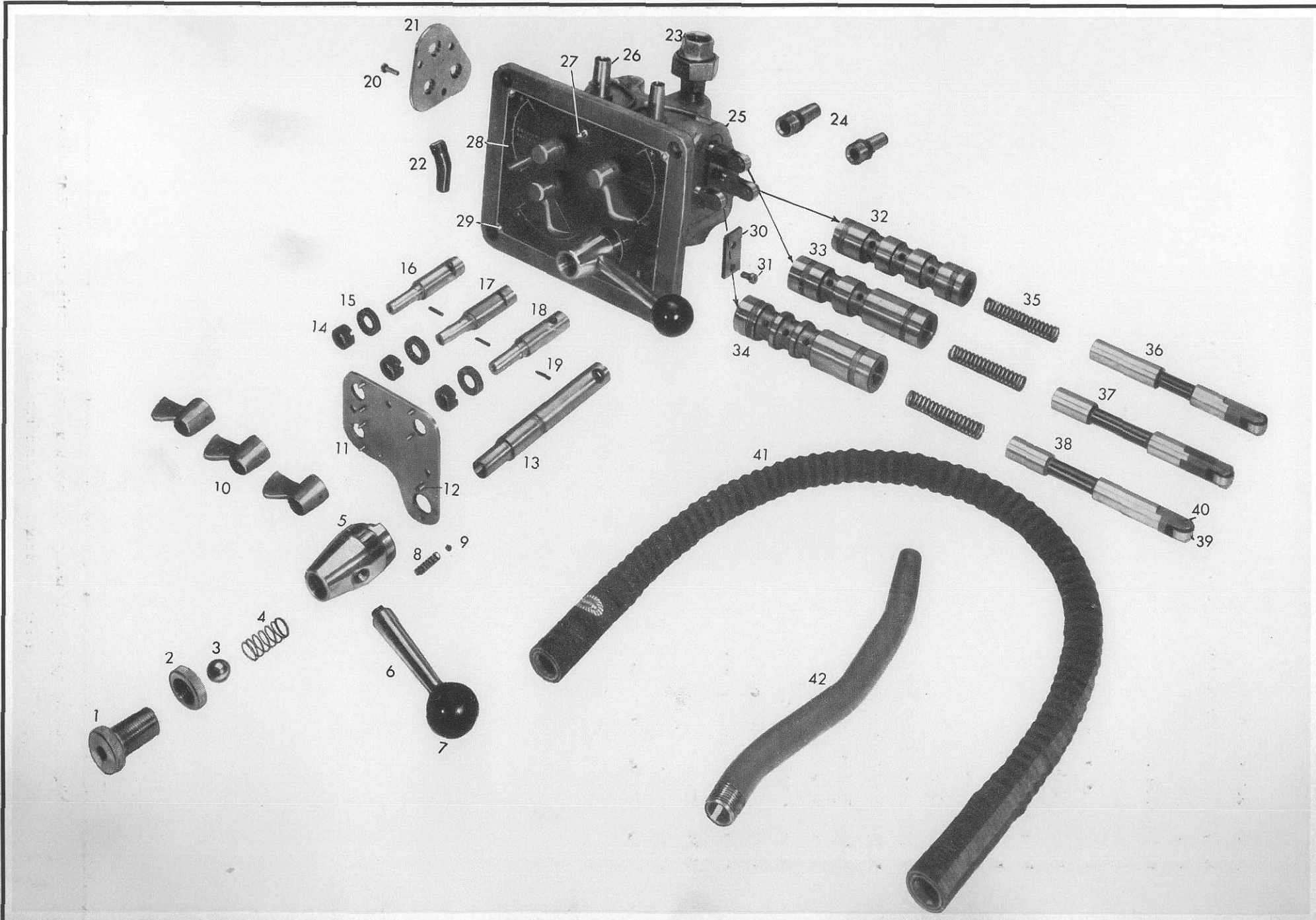
M

FEEDER VALVE BOX ASSEMBLY

N

- | | |
|--|---------------------------------------|
| N 1 - Suction adjusting screw | N 22 - Air pipe |
| N 2 - Lock nut for suction adjusting screw | N 23 - Union |
| N 3 - Ball | N 24 - Rubber hose connections, lower |
| N 4 - Spring | N 25 - Valve box body |
| N 5 - Housing | N 26 - Rubber hose connections, upper |
| N 6 - Suction handle | N 27 - Oil cap |
| N 7 - Knob | N 28 - Scale |
| N 8 - Spring | N 29 - Screw |
| N 9 - Ball | N 30 - Piston guide plate |
| N 10 - Valve control | N 31 - Screw |
| N 11 - Plate | N 32 - Valve for suction |
| N 12 - Guide pin | N 33 - Feeder air blast valve |
| N 13 - Suction control shaft | N 34 - Delivery air blast valve |
| N 14 - Washers | N 35 - Springs |
| N 15 - Sealing rings | N 36 - Suction piston |
| N 16 - Upper air control shaft | N 37 - Feeder air blast piston |
| N 17 - Delivery air control shaft | N 38 - Delivery air blast piston |
| N 18 - Lower air control shaft | N 39 - Rollers |
| N 19 - Stop pins | N 40 - Stud for roller |
| N 20 - Screw | N 41 - Rubber hose |
| N 21 - Guide plate for valves | N 42 - Air pipe |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: N 20 - Screw



FEEDER VALVE BOX ASSEMBLY

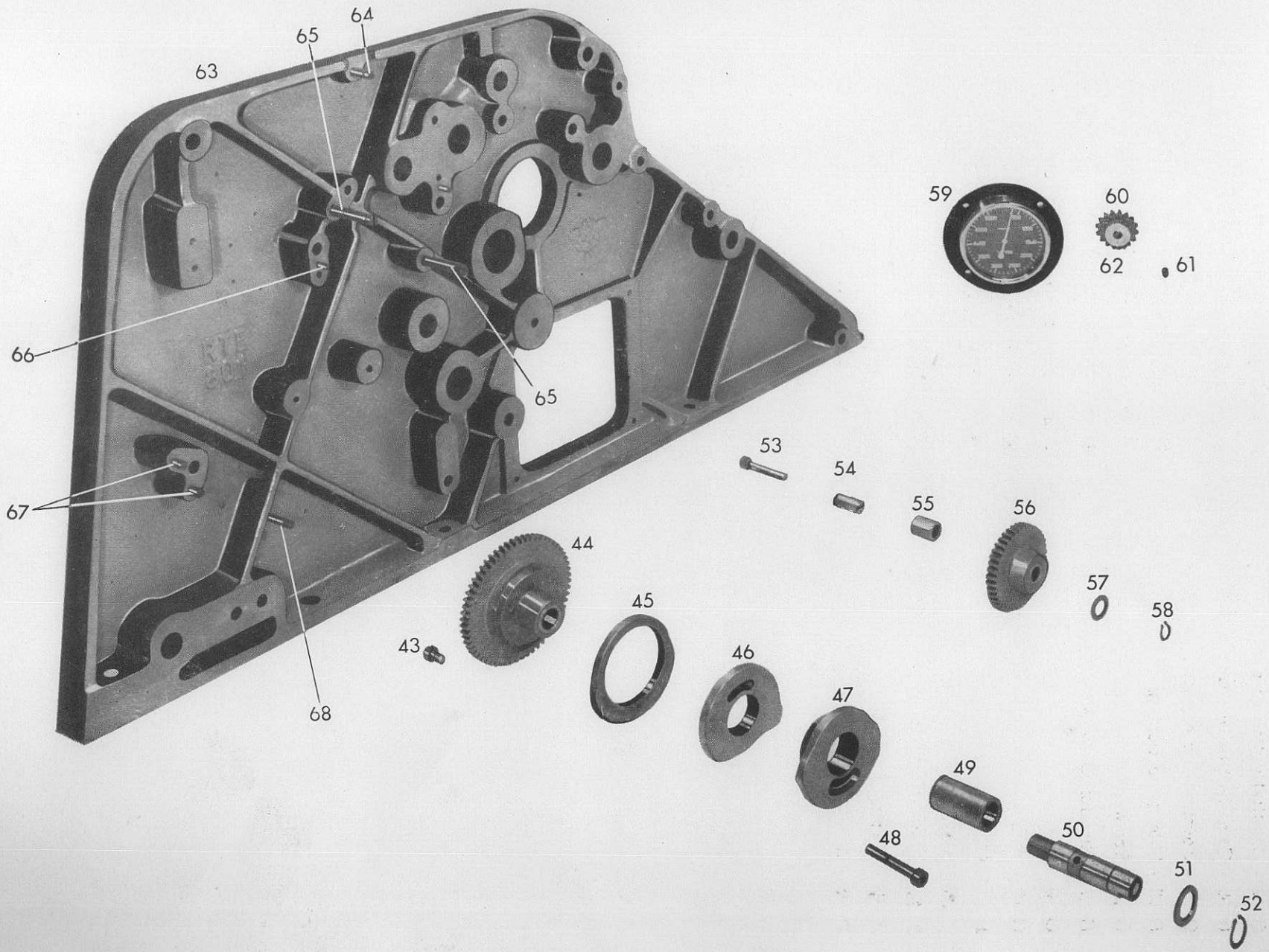
N

FEEDER ASSEMBLY

N

- | | |
|--|--|
| N 43 - Screw | N 57 - Washer |
| N 44 - Air control cam gear | N 58 - Circlip |
| N 45 - Delivery air blast control cam | N 59 - Tachometer |
| N 46 - Feeder air blast control cam | N 60 - Gear for tachometer |
| N 47 - Suction control cam | N 61 - Screw for N 60 |
| N 48 - Screw | N 62 - Bushing for N 60 |
| N 49 - Bushing for N 44 | N 63 - Feeder side frame, operating side |
| N 50 - Stud | N 64 - Spring stud |
| N 51 - Washer | N 65 - Spring stud |
| N 52 - Circlip | N 66 - Screw |
| N 53 - Screw | N 67 - Screw |
| N 54 - Pivot stud for air control | N 68 - Spring stud |
| N 55 - Bushing for N 56 | |
| N 56 - Intermediate gear for air control | |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: N 57 - Washer



FEEDER ASSEMBLY

Z

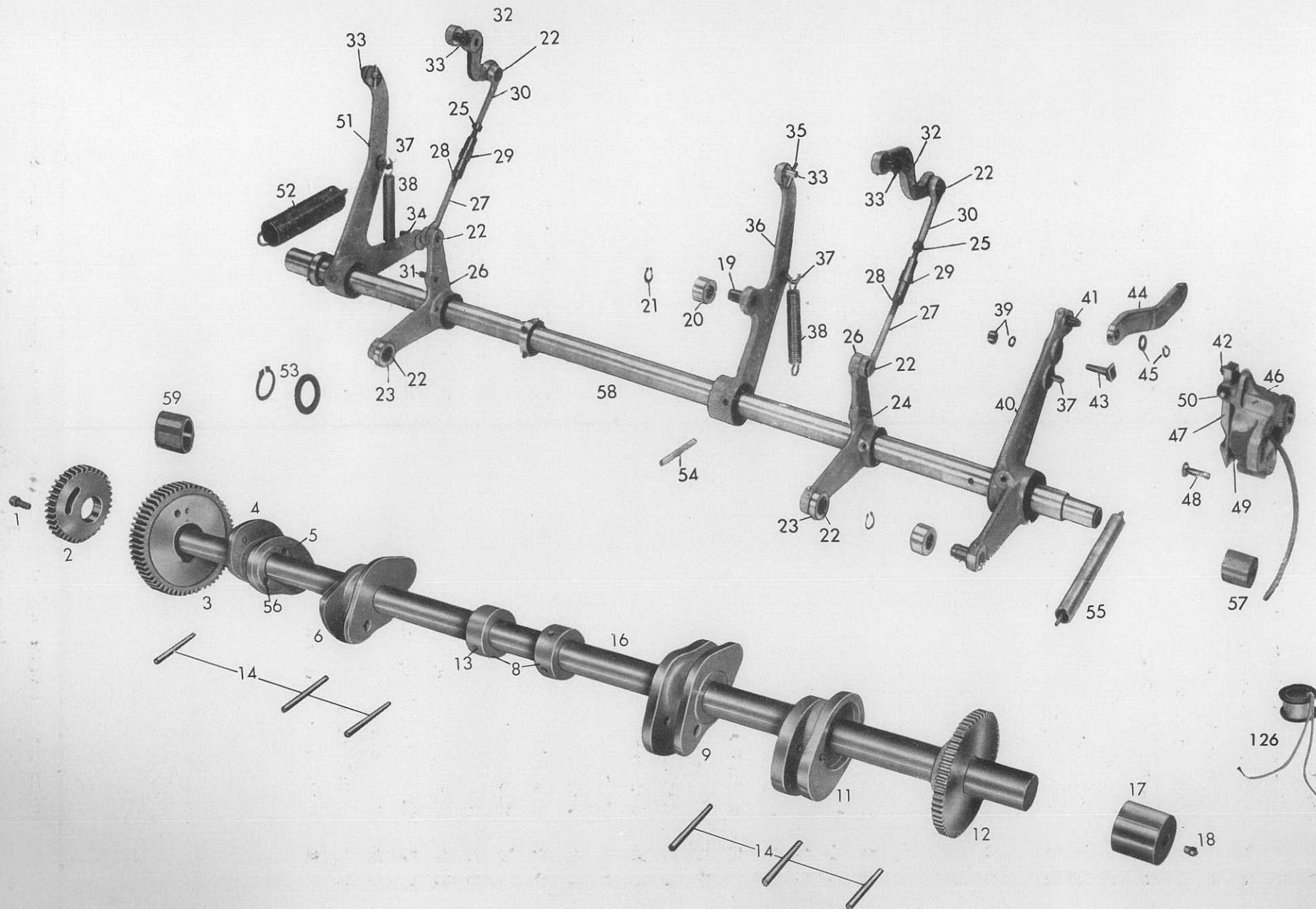
FEEDER CAM ASSEMBLY



- O 1 - Screw
- O 2 - Elliptical slotted gear for tape control
- O 3 - Cam shaft drive gear
- O 4 - Governor bar cam
- O 5 - Side guide cam
- O 6 - Tension roller cam
- O 7 - Stud for O 15
- O 8 - Electric control collars
- O 9 - Sucker bar control cam (lift and forward motion)
- O 10 - Circlip
- O 11 - Lower air blast and pile height control cam
- O 12 - Air control drive gear
- O 13 - Screw
- O 14 - Taper pins
- O 15 - Cam roller
- O 16 - Cam shaft
- O 17 - Bushing for cam shaft, operating side
- O 18 - Oil cap
- O 19 - Stud for O 20
- O 20 - Cam roller
- O 21 - Circlip
- O 22 - Stud
- O 23 - Cam roller
- O 24 - Spring stud
- O 25 - Nut
- O 26 - Casting for sucker control
- O 27 - Sucker control adjustment rod, lower
- O 28 - Check nut
- O 29 - Connecting link
- O 30 - Sucker control adjustment rod, upper
- O 31 - Spring stud
- O 32 - Upper casting for sucker control
- O 33 - Stud
- O 34 - Spring stud
- O 35 - Taper pin
- O 36 - Casting for sucker control bar
- O 37 - Spring eye hook
- O 38 - Tension spring for O 36
- O 39 - Nut and washer
- O 40 - Casting for pile height control
- O 41 - Stud
- O 42 - Screw and nut
- O 43 - Stop stud for feed board lift
- O 44 - Feeder board lift connecting link
- O 45 - Washer and circlip
- O 46 - Feeder board lift relay housing
- O 47 - Control bar for feed board lift
- O 48 - Screw
- O 49 - Spring
- O 50 - Pivot pin
- O 51 - Casting for sucker bar control (forward) gear side
- O 52 - Spring
- O 53 - Washer and circlip
- O 54 - Pin
- O 55 - Tension spring
- O 56 - Cam joining screw
- O 57 - Bushing for lever shaft, operating side
- O 58 - Lever shaft
- O 59 - Bushing for cam shaft, gear side
- O 126 - Feeder board lift relay coil

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: O 10 - Circlip

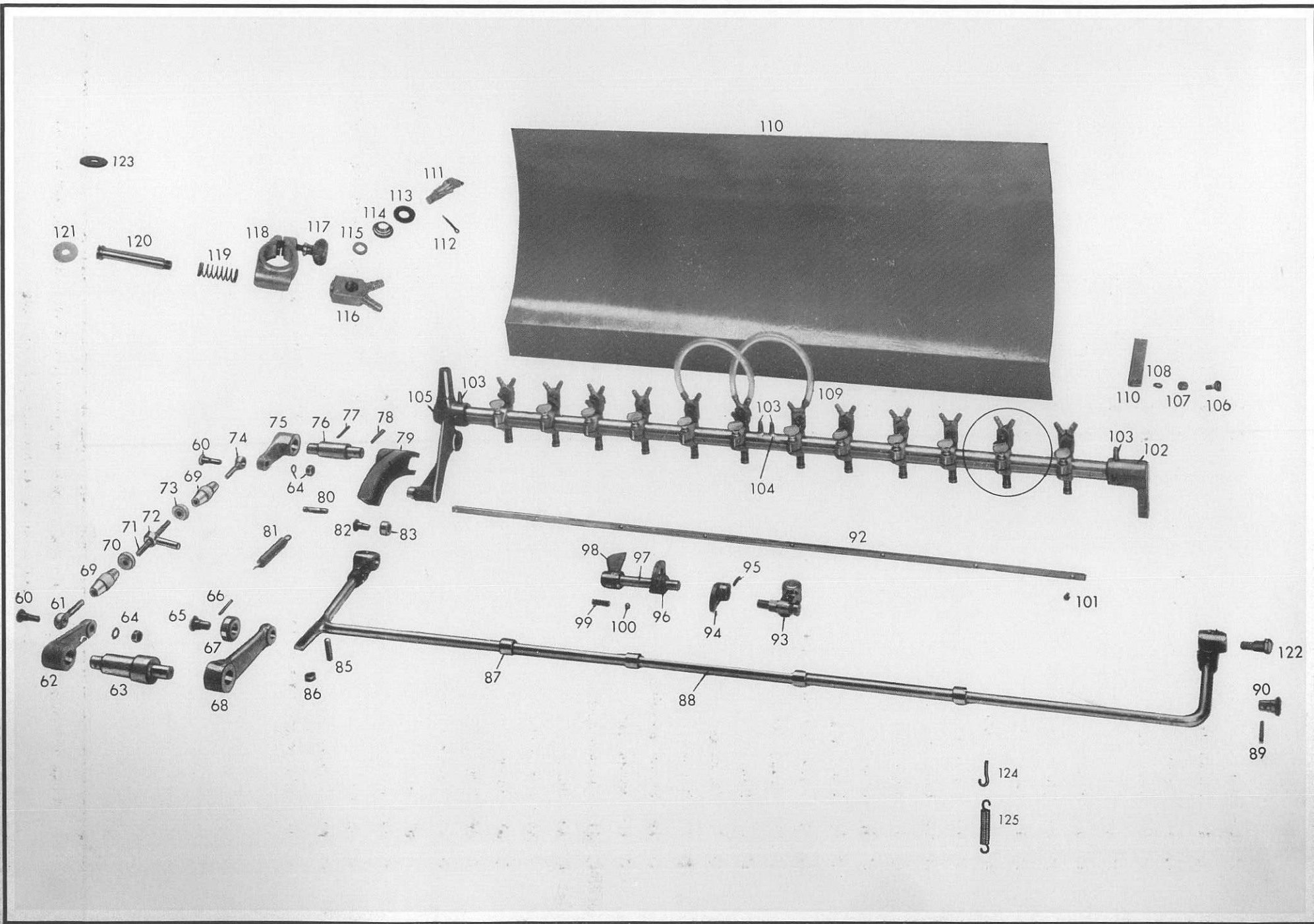
FEEDER CAM ASSEMBLY



FEEDER ASSEMBLY

- O 60 - Stud
- O 61 - Lower air blast control tie rod
- O 62 - Lower outer air blast control lever
- O 63 - Pivot stud
- O 64 - Nut and washer
- O 65 - Stud
- O 66 - Pin
- O 67 - Cam roller
- O 68 - Lower inner air blast control lever
- O 69 - Turnbuckle
- O 70 - Lock ring, lower
- O 71 - Threaded rod
- O 72 - Stop bar
- O 73 - Lock ring, upper
- O 74 - Lower air blast control tie rod
- O 75 - Upper outer air blast control lever
- O 76 - Stud
- O 77 - Taper pin
- O 78 - Taper pin
- O 79 - Slider operating lower air blast
- O 80 - Spring pin
- O 81 - Tension spring
- O 82 - Stud
- O 83 - Cam roller
- O 85 - Screw
- O 86 - Nut
- O 87 - Governor bar roller
- O 88 - Governor bar
- O 89 - Pin
- O 90 - Stud
- O 92 - Sucker key bar
- O 93 - Pile height limit switch
- O 94 - Cam
- O 95 - Pin
- O 96 - Regulator
- O 97 - Shaft
- O 98 - Control knob
- O 99 - Spring for O 96
- O 100 - Ball
- O 101 - Screw
- O 102 - Sucker bar bracket, gear side
- O 103 - Nipples
- O 104 - Sucker bar
- O 105 - Sucker bar bracket, operating side
- O 106 - Screw
- O 107 - Nut
- O 108 - Washer
- O 109 - Sucker connection tube
- O 110 - Feeder guard
- O 111 - Sucker pet cock
- O 112 - Cotter pin
- O 113 - Washer
- O 114 - Spring for O 111
- O 115 - Space washer
- O 116 - Sucker casting
- O 117 - Thumbscrew
- O 118 - Sucker slide casting
- O 119 - Spring
- O 120 - Sucker
- O 121 - Rubber sucker rim for heavy paper
- O 122 - Stud
- O 123 - Rubber sucker rim for light paper
- O 124 - Eye hook for O 88
- O 125 - Tension spring for O 124

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: O 86 - Nut



FEDDER ASSEMBLY

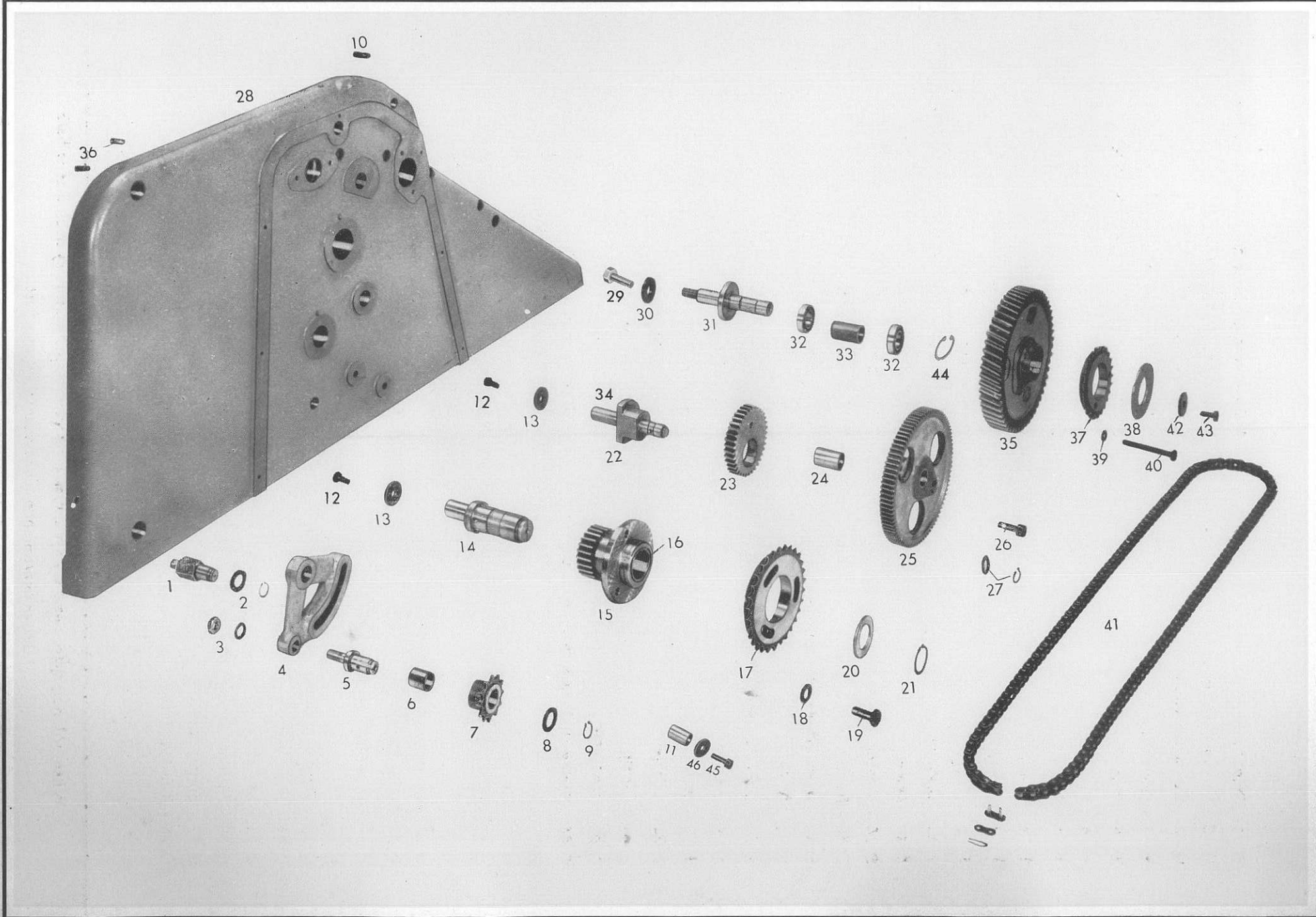


FEEDER ASSEMBLY

P

- | | |
|---|-------------------------------------|
| P 1 - Stud for P 4 | P 24 - Bushing for P 34 |
| P 2 - Washer and circlip | P 25 - Tape roller drive gear |
| P 3 - Nut and washer | P 26 - Screw |
| P 4 - Slotted casting | P 27 - Washer and circlip |
| P 5 - Stud | P 28 - Feeder side frame, gear side |
| P 6 - Bushing | P 29 - Screw |
| P 7 - Sprocket | P 30 - Washer |
| P 8 - Washer | P 31 - Stud with flange |
| P 9 - Circlip | P 32 - Ball bearing |
| P 10 - Screw | P 33 - Space washer |
| P 11 - Distance collar | P 34 - Pivot stud |
| P 12 - Screw | P 35 - Helical gear |
| P 13 - Washer | P 36 - Screw |
| P 14 - Stud | P 37 - Lower chain sprocket |
| P 15 - Intermediate drive pinion | P 38 - Space washer |
| P 16 - Bushing for P 15 | P 39 - Washer |
| P 17 - Sprocket for P 15 | P 40 - Screw |
| P 18 - Washer | P 41 - Chain |
| P 19 - Stud | P 42 - Washer |
| P 20 - Washer | P 43 - Screw |
| P 21 - Circlip | P 44 - Circlip |
| P 22 - Pivot stud | P 45 - Screw |
| P 23 - Intermediate tape drive gear, elliptical | P 46 - Washer |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: P 5 - Stud



FEEDEE ASSEMBLY

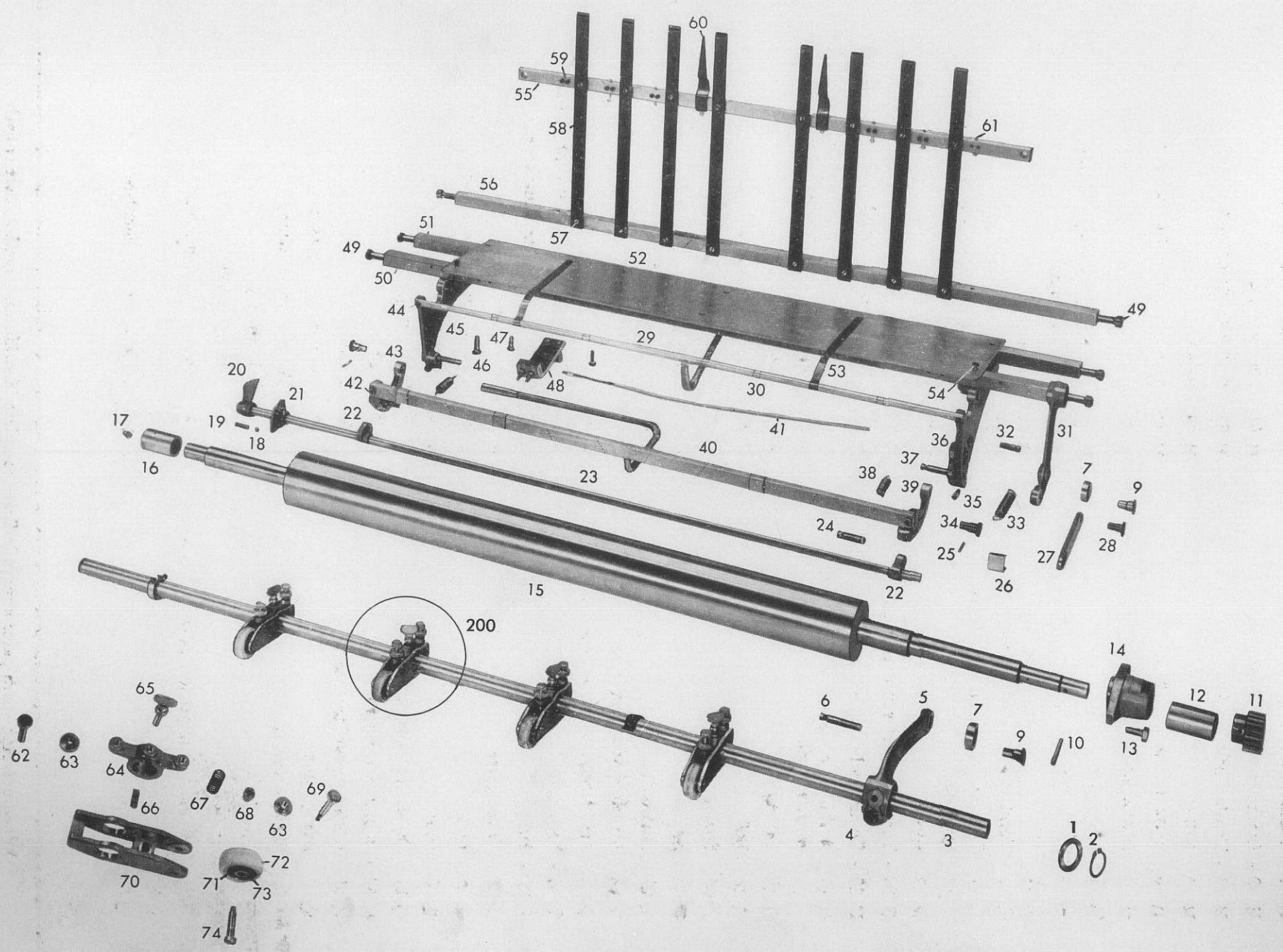
FEEDER ASSEMBLY

Q

- | | |
|--|--|
| <p>Q 1 - Space washer</p> <p>Q 2 - Circlip</p> <p>Q 3 - Tension wheel shaft</p> <p>Q 4 - Screw</p> <p>Q 5 - Tension wheel shaft lever</p> <p>Q 6 - Spring pin</p> <p>Q 7 - Cam roller</p> <p>Q 9 - Pivot Stud</p> <p>Q 10 - Pin</p> <p>Q 11 - Tension wheel roller gear</p> <p>Q 12 - Bushing for tension wheel roller, gear side</p> <p>Q 13 - Screw</p> <p>Q 14 - Tension wheel roller casting, gear side</p> <p>Q 15 - Tension wheel roller</p> <p>Q 16 - Bushing for tension wheel roller, operating side</p> <p>Q 17 - Oil cap</p> <p>Q 18 - Ball</p> <p>Q 19 - Spring</p> <p>Q 20 - Adjusting knob</p> <p>Q 21 - Regulator</p> <p>Q 22 - Air blast adjusting cam</p> <p>Q 23 - Air blast level adjustment rod</p> <p>Q 24 - Spring stud</p> <p>Q 25 - Pin</p> <p>Q 26 - Cover plate</p> <p>Q 27 - Link</p> <p>Q 28 - Stud</p> <p>Q 29 - Upper air blast tube</p> <p>Q 30 - Round cover plate</p> <p>Q 31 - Governor bar drive lever</p> <p>Q 32 - Spring stud</p> <p>Q 33 - Tension spring</p> <p>Q 34 - Pivot stud</p> <p>Q 35 - Screw</p> <p>Q 36 - Air blast supporting bracket, gear side</p> <p>Q 37 - Spring stud</p> <p>Q 38 - Tension spring</p> | <p>Q 39 - Low air blast adjusting lever, gear side</p> <p>Q 40 - Air blast pipe</p> <p>Q 41 - Electric contact wire</p> <p>Q 42 - Screw</p> <p>Q 43 - Low air blast adjusting lever, operating side</p> <p>Q 44 - Screw</p> <p>Q 45 - Air blast supporting bracket, operating side</p> <p>Q 46 - Screw</p> <p>Q 47 - Screw</p> <p>Q 48 - Support for electric contact brush</p> <p>Q 49 - Screw</p> <p>Q 50 - Rear supporting rod</p> <p>Q 51 - Front supporting rod</p> <p>Q 52 - Feeder table plate</p> <p>Q 53 - Steel band paper guide</p> <p>Q 54 - Screw</p> <p>Q 55 - Upper support bar</p> <p>Q 56 - Lower support bar</p> <p>Q 57 - Screws</p> <p>Q 58 - Backing plates</p> <p>Q 59 - Screws</p> <p>Q 60 - Tripping springs</p> <p>Q 61 - Tripping springs adjustment screws</p> <p>Q 62 - Tension wheel adjusting screws</p> <p>Q 63 - Lock nut</p> <p>Q 64 - Tension wheel inner casting</p> <p>Q 65 - Thumb screw</p> <p>Q 66 - Flat spring</p> <p>Q 67 - Spring</p> <p>Q 68 - Small bushing</p> <p>Q 69 - Tension wheel pressure adjustment screw</p> <p>Q 70 - Tension wheel casting</p> <p>Q 71 - Ball bearing</p> <p>Q 72 - Tension wheel</p> <p>Q 73 - Tension wheel bushing</p> <p>Q 74 - Screw</p> <p>Q 200 - Tension wheel, complete</p> |
|--|--|

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: Q 46 - Screw

FEDDER ASSEMBLY

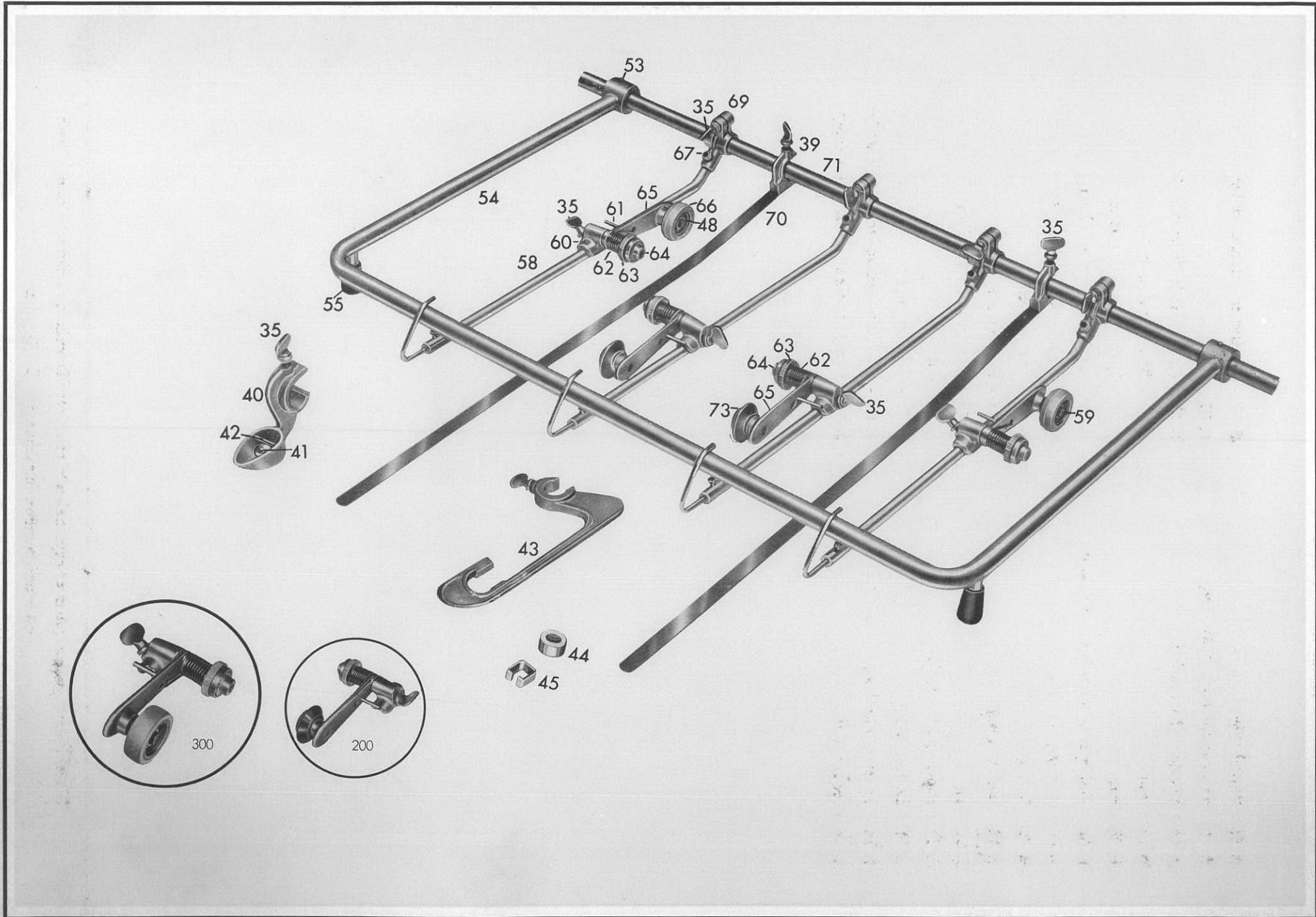


FEEDBOARD

R

- R 35 - Thumbscrew
- R 39 - Bracket for hold down strip
- R 40 - Tension ball bracket
- R 41 - Ball
- R 42 - Pin
- R 43 - Flat spring guide for cardboard
- R 44 - Bushing for R 43
- R 45 - Spring
- R 48 - Ball bearing
- R 53 - Pin
- R 54 - Paper guide bracket
- R 55 - Rubber stops
- R 58 - Tension wheel supporting bar
- R 59 - Roller stud
- R 60 - Bracket for tension roller
- R 61 - Pin
- R 62 - Spring for R 63 and R 64
- R 63 - Regulating knob
- R 64 - Spring regulating knob
- R 65 - Lever for tension wheel
- R 66 - Rubber wheel for R 48
- R 67 - Knurled screw
- R 69 - Support bracket
- R 70 - Hold down strip, long
- R 71 - Bar
- R 73 - Tension wheel
- R 200 - Complete tension wheel assembly
- R 300 - Complete tension wheel assembly

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: R 53 - Pin



FEEDBOARD

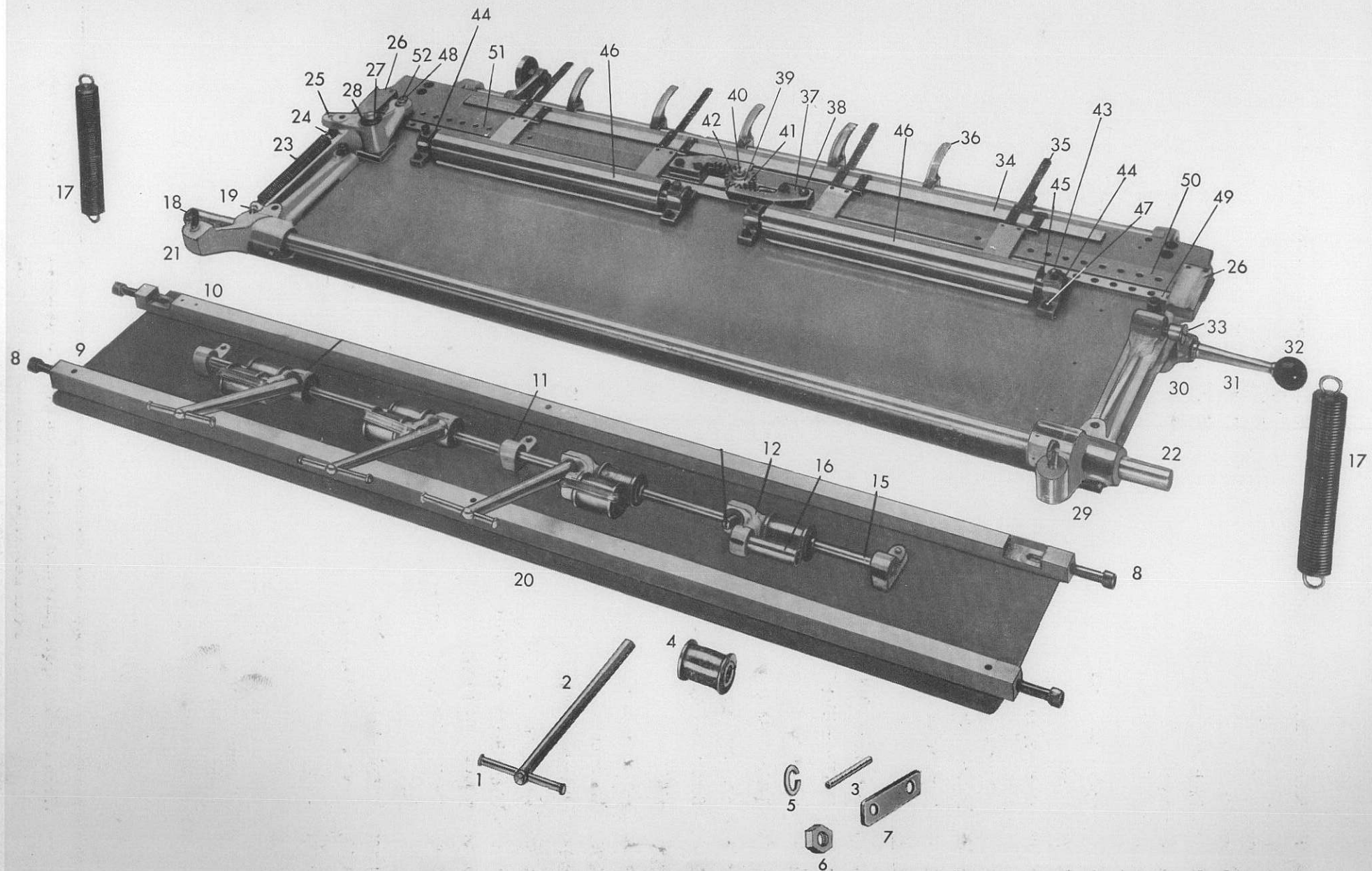
R

FEEDBOARD

S

- | | |
|--|--|
| <p>S 1 - Pin for handle</p> <p>S 2 - Tape tightener rod</p> <p>S 3 - Pin</p> <p>S 4 - Tape guide roller</p> <p>S 5 - Washer</p> <p>S 6 - Nut</p> <p>S 7 - Tape guide plate</p> <p>S 8 - Screw</p> <p>S 9 - Front support rod</p> <p>S 10 - Rear support rod</p> <p>S 11 - Support brackets for S 15</p> <p>S 12 - Tape tightener casting</p> <p>S 15 - Shaft</p> <p>S 16 - Tape roller stud</p> <p>S 17 - Tension springs</p> <p>S 18 - Eye hook</p> <p>S 19 - Spring hook and nut</p> <p>S 20 - Plate for support bars</p> <p>S 21 - Feed board casting, gear side</p> <p>S 22 - Shaft</p> <p>S 23 - Spring for S 25</p> <p>S 24 - Eye hook</p> <p>S 25 - Side guide lever</p> <p>S 26 - Sliding rack support</p> <p>S 27 - Stud for side guide lever</p> <p>S 28 - Washer and circlip</p> <p>S 29 - Feedboard support bracket, operating side</p> <p>S 30 - Handle support bracket</p> <p>S 31 - Feedboard lifting handle</p> <p>S 32 - Knob</p> | <p>S 33 - Feedboard latch stud</p> <p>S 34 - Flat rod</p> <p>S 35 - Guide bands</p> <p>S 36 - Sheet hold down guides</p> <p>S 37 - Side guide rack, operating side</p> <p>S 38 - Screw</p> <p>S 39 - Bushing for side guide pinion gear</p> <p>S 40 - Stud for pinion gear</p> <p>S 41 - Pinion gear</p> <p>S 42 - Circlip and washer</p> <p>S 43 - Lock screw</p> <p>S 44 - Bearing support for front tape roller</p> <p>S 45 - Stud for tape roller</p> <p>S 46 - Front tape rollers</p> <p>S 47 - Nut and washer</p> <p>S 48 - Bushing for side guide lever stud</p> <p>S 49 - Feedboard plate</p> <p>S 50 - Side guide plate, operating side</p> <p>S 51 - Side guide plate, gear side</p> <p>S 52 - Stud for S 51
(for illustrations of following spare parts see page 44)</p> <p>S 54 - Washer and circlip</p> <p>S 55 - Pivot stud for S 59</p> <p>S 56 - Nut and washer</p> <p>S 57 - Feedboard adjusting stop</p> <p>S 58 - Screw and nut</p> <p>S 59 - Tie rod, short, front</p> <p>S 60 - Nut</p> <p>S 61 - Turnbuckle</p> <p>S 62 - Check nut</p> <p>S 63 - Tie rod, short, rear</p> |
|--|--|

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: S 15 - Shaft



FEDDBOARD

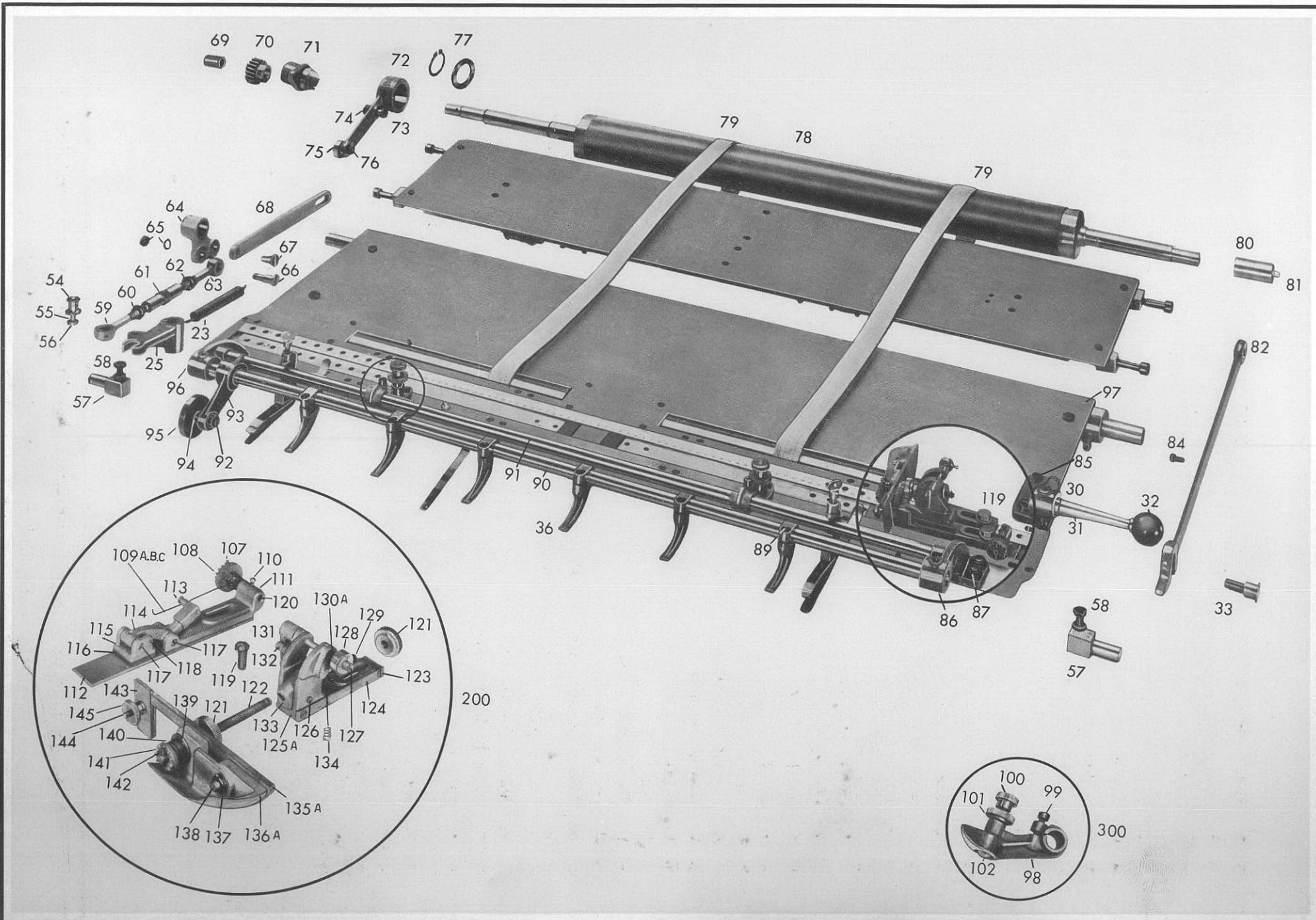
S

FEEDBOARD

S

- | | |
|--|---|
| <p>S 64 - Intermediate lever for guide plate drive</p> <p>S 65 - Nut and washer</p> <p>S 66 - Stud</p> <p>S 67 - Stud</p> <p>S 68 - Link</p> <p>S 69 - Bushing for tape roller, gear side</p> <p>S 70 - Pinion gear for tape roller</p> <p>S 71 - Support bracket for tape roller, gear side</p> <p>S 72 - Upper lever for guide plate drive</p> <p>S 73 - Pivot stud</p> <p>S 74 - Nut and washer</p> <p>S 75 - Cam roller</p> <p>S 76 - Stud for cam roller</p> <p>S 77 - Circlip and washer</p> <p>S 78 - Tape roller</p> <p>S 79 - Tapes</p> <p>S 80 - Bushing for tape roller, operating side</p> <p>S 81 - Oil cap</p> <p>S 82 - Feedboard latch</p> <p>S 84 - Screw</p> <p>S 85 - Screw</p> <p>S 86 - Support bracket, operating side</p> <p>S 87 - Screws and nuts</p> <p>S 89 - Screw</p> <p>S 90 - Shaft</p> <p>S 91 - Bar for electric trip contacts</p> <p>S 92 - Nut and washer</p> <p>S 93 - Lever operating sheet hold down guides</p> <p>S 94 - Stud for cam roller</p> <p>S 95 - Cam roller</p> <p>S 96 - Support bracket with bushing, gear side</p> <p>S 97 - Front feedboard plate</p> <p>S 98 - Casting for two sheet caliper</p> <p>S 99 - Lock screw</p> <p>S 100 - Adjusting screw</p> <p>S 101 - Check nut</p> <p>S 102 - Caliper ball</p> <p>S 107 - Pin</p> <p>S 108 - Side guide hammer pressure adjusting knob</p> <p>S 109 - Pressure spring, heavy papers, (right guide)</p> <p>S 109 A Pressure spring, light papers, (right guide)</p> <p>S 109 B Pressure spring, heavy papers, (left guide)</p> | <p>S 109 C Pressure spring, light papers, (left guide)</p> <p>S 110 - Screw</p> <p>S 111 - Slide casting</p> <p>S 112 - Guide lower plate</p> <p>S 113 - Screw for hammer tension spring</p> <p>S 114 - Hammer connecting casting</p> <p>S 115 - Hammer casting</p> <p>S 116 - Pad for hammer casting</p> <p>S 117 - Pivot stud</p> <p>S 118 - Small pivot pin</p> <p>S 119 - Side guide screw</p> <p>S 120 - Stud</p> <p>S 121 - Knurled knob</p> <p>S 122 - Threaded rod</p> <p>S 123 - Screw</p> <p>S 124 - Guide check plate</p> <p>S 125 - Support casting for cover plate, right guide</p> <p>S 125 A Support casting for cover plate, left guide</p> <p>S 126 - Pivot stud</p> <p>S 127 - Pivot</p> <p>S 128 - Adjusting ring</p> <p>S 129 - Screw</p> <p>S 130 - Right guide lever return spring</p> <p>S 130 A Left guide lever return spring</p> <p>S 131 - Hammer lift casting</p> <p>S 132 - Check pin</p> <p>S 133 - Guide casting for threaded rod</p> <p>S 134 - Spring</p> <p>S 135 - Right guide plate</p> <p>S 135 A Left guide plate</p> <p>S 136 - Right guide cover plate</p> <p>S 136 A Left guide cover plate</p> <p>S 137 - Ring</p> <p>S 138 - Pivot stud</p> <p>S 139 - Check washer</p> <p>S 140 - Pressure spring</p> <p>S 141 - Adjusting knob</p> <p>S 142 - Pin</p> <p>S 143 - Plate for S 135 and S 135 A</p> <p>S 144 - Screw</p> <p>S 145 - Lock nut</p> <p>S 200 - Side guide, complete</p> <p>S 300 - Two-sheet caliper, complete</p> |
|--|---|

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: S 142 - Pin



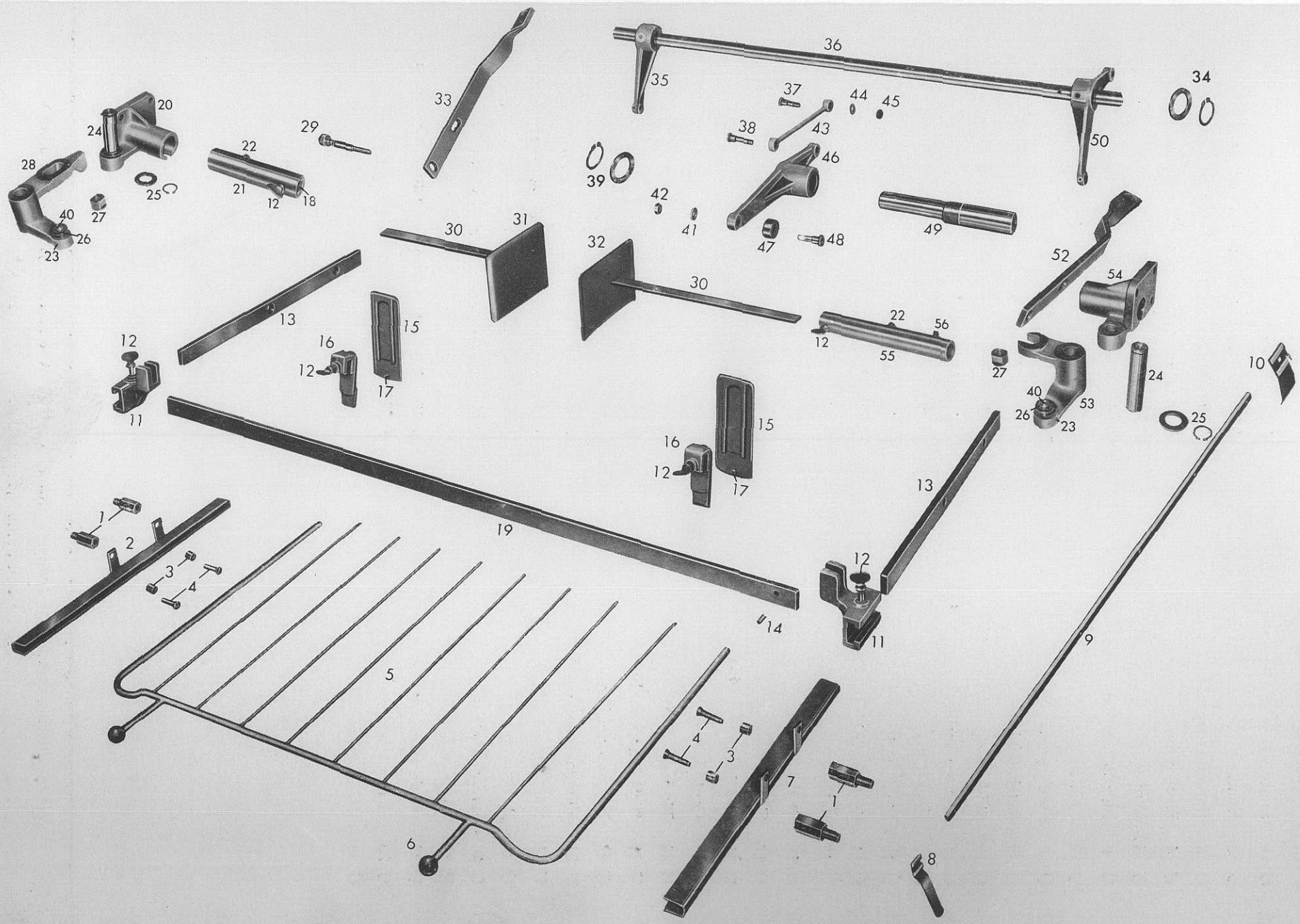
FEEDBOARD

DELIVERY

T

- T 1 - Studs
- T 2 - Housing for continuous delivery rack, gear side
- T 3 - Space collars
- T 4 - Screws
- T 5 - Continuous delivery rack
- T 6 - Knobs
- T 7 - Housing for continuous delivery rack, operating side
- T 8 - Paper guide, narrow
- T 9 - Support plate for paper guides on delivery guard
- T 10 - Paper guide, wide
- T 11 - Sliding support bracket
- T 12 - Thumbscrew
- T 13 - Side bars
- T 14 - Screw
- T 15 - Delivery back jogger plates
- T 16 - Back jogger plate castings
- T 17 - Screw and nut
- T 18 - Back jogger guide
- T 19 - Back jogger supporting rod
- T 20 - Side jogger supporting bracket, gear side
- T 21 - Slide plate for side jogger, gear side
- T 22 - Pivot pin
- T 23 - Jogger block
- T 24 - Studs
- T 25 - Washer and circlip
- T 26 - Washer and circlip
- T 27 - Bushing
- T 28 - Double lever casting, gear side
- T 29 - Jogger regulating screw
- T 30 - Flat rod for side jogger
- T 31 - Side jogger plate, gear side
- T 32 - Side jogger plate, operating side
- T 33 - Front jogger tie bar, gear side
- T 34 - Collar
- T 35 - Jogger drive lever, gear side
- T 36 - Shaft
- T 37 - Pivot stud
- T 38 - Stud
- T 39 - Washer and circlip
- T 40 - Stud
- T 41 - Washer
- T 42 - Nut
- T 43 - Tie rod
- T 44 - Washer
- T 45 - Nut
- T 46 - Jogger drive lever
- T 47 - Roller
- T 48 - Stud
- T 49 - Pivot stud for T 46
- T 50 - Jogger drive lever, gear side
- T 52 - Front jogger tie bar, operating side
- T 53 - Double lever casting, operating side
- T 54 - Side jogger support bracket, operating side
- T 55 - Slide plate for side jogger, operating side
- T 56 - Nut and screw

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: T 14 - Screw



DELIVERY

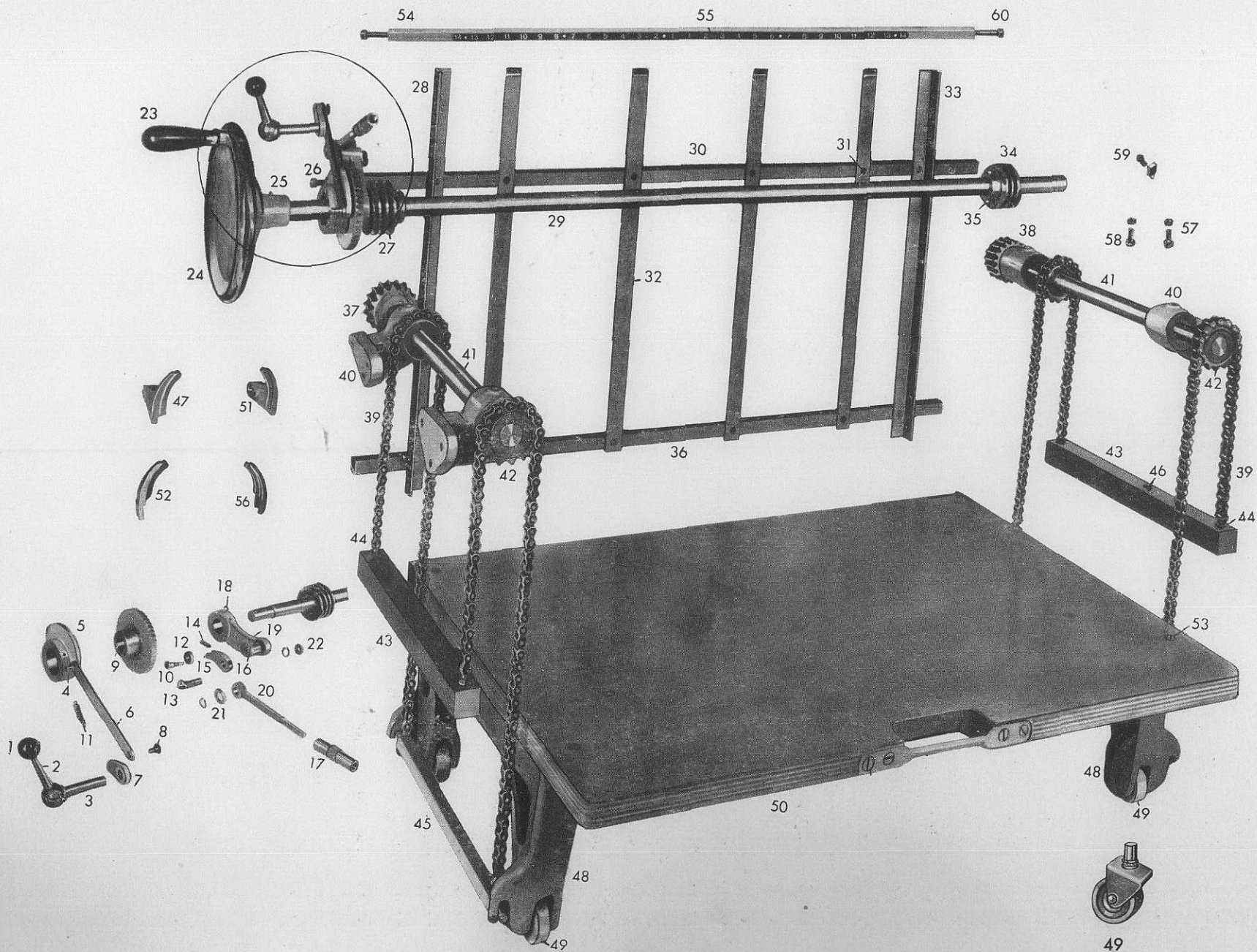
T

DELIVERY

U

- | | |
|---|--|
| <p>U 1 - Knob</p> <p>U 2 - Handle</p> <p>U 3 - Handle stem</p> <p>U 4 - Pivot pin</p> <p>U 5 - Cam</p> <p>U 6 - Link</p> <p>U 7 - Cam lever</p> <p>U 8 - Stud</p> <p>U 9 - Ratchet wheel</p> <p>U 10 - Stud</p> <p>U 11 - Tension spring</p> <p>U 12 - Cam roller</p> <p>U 13 - Pivot stud</p> <p>U 14 - Spring for U 18</p> <p>U 15 - Ratchet pawl</p> <p>U 16 - Stud</p> <p>U 17 - Turnbuckle</p> <p>U 18 - Eye hook</p> <p>U 19 - Control lever</p> <p>U 20 - Tie rod</p> <p>U 21 - Circlip and washer</p> <p>U 22 - Nut and washer</p> <p>U 23 - Handle</p> <p>U 24 - Handwheel</p> <p>U 25 - Pin</p> <p>U 26 - Screw</p> <p>U 27 - Worm gear, operating side</p> <p>U 28 - Guide plate, operating side</p> <p>U 29 - Shaft</p> <p>U 30 - Upper cross bar</p> | <p>U 31 - Screws</p> <p>U 32 - Flat guide plate</p> <p>U 33 - Delivery board guide plate, gear side</p> <p>U 34 - Worm gear, gear side</p> <p>U 35 - Pin</p> <p>U 36 - Lower cross bar</p> <p>U 37 - Helical gear, operating side</p> <p>U 38 - Helical gear, gear side</p> <p>U 39 - Chain</p> <p>U 40 - Support bracket, gear side</p> <p>U 41 - Shaft</p> <p>U 42 - Sprocket gears</p> <p>U 43 - Counterweight</p> <p>U 44 - Chain stems</p> <p>U 45 - Guide for delivery truck</p> <p>U 46 - Stop screw</p> <p>U 47 - Chain guide bracket, front, operating side</p> <p>U 48 - Delivery truck bracket</p> <p>U 49 - Castors</p> <p>U 50 - Delivery board</p> <p>U 51 - Chain guide bracket, front, gear side</p> <p>U 52 - Chain guide bracket, outer, operating side</p> <p>U 53 - Screw and nut</p> <p>U 54 - Plate with fountain keys numbers</p> <p>U 55 - Bar for U 54</p> <p>U 56 - Chain guide bracket, outer, gear side</p> <p>U 57 - Screw and nut</p> <p>U 58 - Screw and nut</p> <p>U 59 - Electric contact and screw</p> <p>U 60 - Screw</p> |
|---|--|

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: S 35 - Pin



DELIVERY

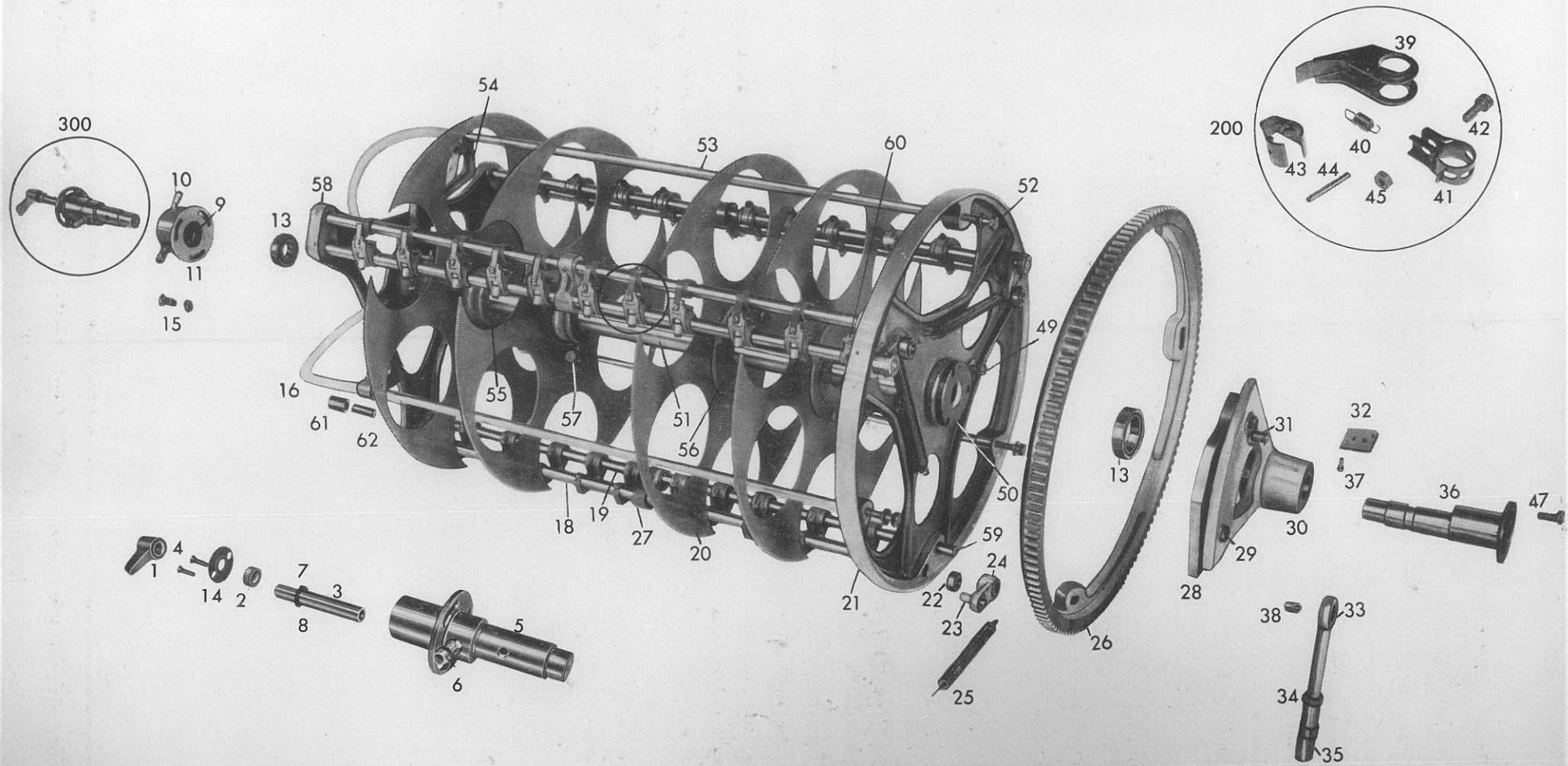


DELIVERY



- V 1 - Adjusting handle
- V 2 - Washer
- V 3 - Air blast regulating pin
- V 4 - Screws
- V 5 - Eccentric stud for sheet turning drum, operating side
- V 6 - Nipple
- V 7 - Stop pin
- V 8 - Washer
- V 9 - Bushing for air distributor
- V 10 - Nipple
- V 11 - Air distributor
- V 13 - Ball bearing
- V 14 - Hub plate
- V 15 - Screw and washer
- V 16 - Air tube
- V 18 - Gripper seats shaft
- V 19 - Gripper shaft
- V 20 - Disc
- V 21 - Sheet turning drum frame disc, gear side
- V 22 - Cam roller
- V 23 - Pivot stud
- V 24 - Casting for cam roller
- V 25 - Tension spring
- V 26 - Sheet turning drum gear
- V 27 - Spacer support bracket
- V 28 - Cam
- V 29 - Screw and washer
- V 30 - Flange for cam
- V 31 - Stud for V 34, with washer and circlip
- V 32 - Cover plate for oil cup
- V 33 - Tie rod
- V 34 - Nut
- V 35 - Turnbuckle
- V 36 - Eccentric stud for sheet turning drum, gear side
- V 37 - Screws
- V 38 - Bushing for tie rod
- V 39 - Gripper casting
- V 40 - Gripper spring
- V 41 - Inner gripper casting
- V 42 - Screw
- V 43 - Gripper seat
- V 44 - Screw
- V 45 - Nut
- V 47 - Screw
- V 49 - Eye hook
- V 50 - Flange plate for ball bearing with screw
- V 51 - Sheet turning drum centre shaft
- V 52 - Screw and washer
- V 53 - Air pipe
- V 54 - Air pipe support
- V 55 - Hub for discs, operating side
- V 56 - Hub for discs, gear side
- V 57 - Screw
- V 58 - Sheet turning drum frame disc, operating side
- V 59 - Stud for gripper shaft, gear side
- V 60 - Gripper adjustment lever, with screw and nut
- V 61 - Bushing for V 19
- V 62 - Stud for gripper shaft, operating side
- V 200 - Gripper, complete
- V 300 - Air distributor, complete

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: V 33 - Tie rod



DELIVERY

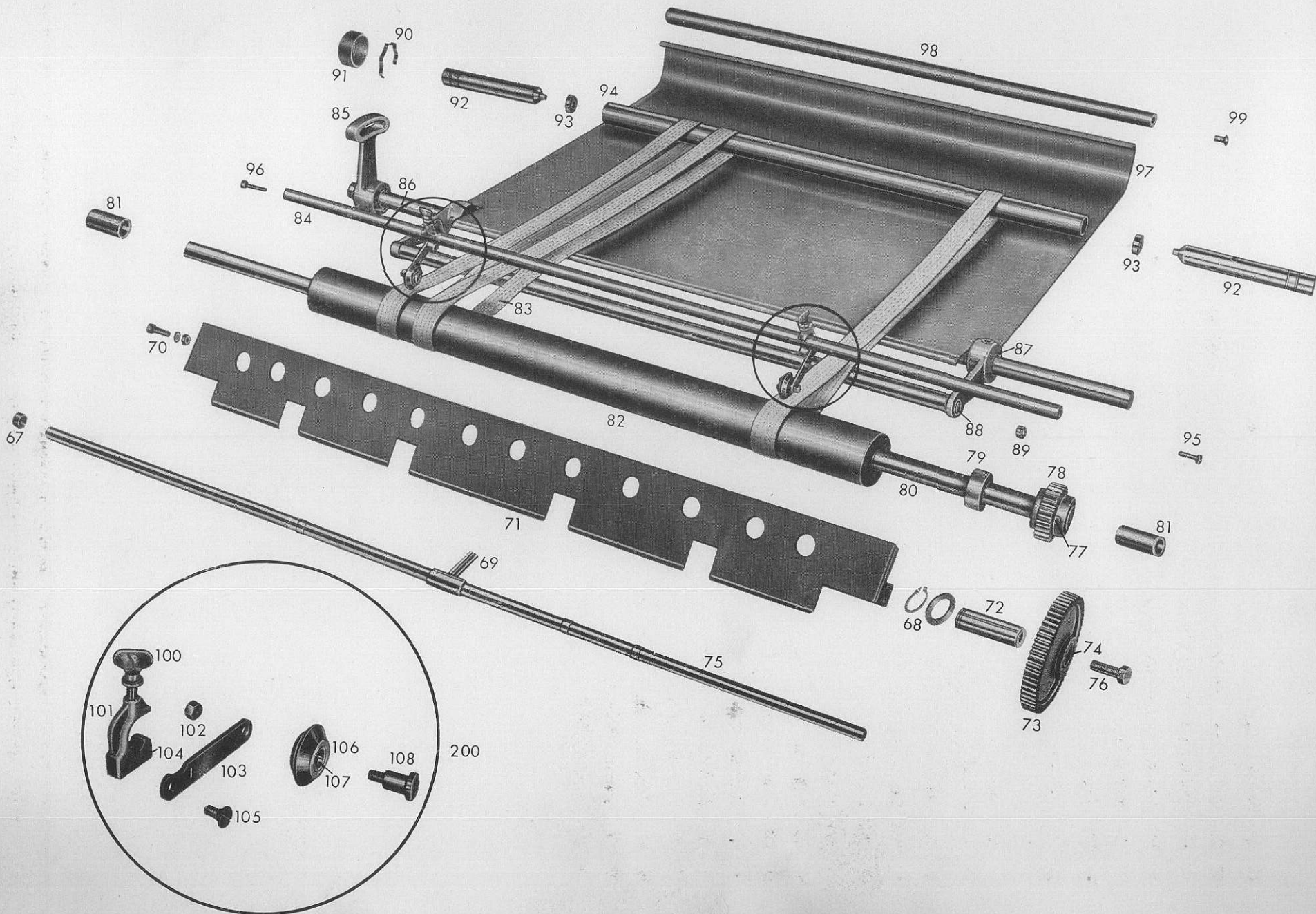


DELIVERY

V

- V 67 - Round cover plate for air tube
- V 68 - Washer and circlip
- V 69 - Brace support for air tube
- V 70 - Screw, washer and nut
- V 71 - Front jogger plate
- V 72 - Stud
- V 73 - Intermediate gear for tape drive
- V 74 - Bushing for V 73
- V 75 - Air tube
- V 76 - Screw and washer
- V 77 - Pin
- V 78 - Gear for tape roller
- V 79 - Collar
- V 80 - Shaft
- V 81 - Bushing
- V 82 - Tape roller
- V 83 - Delivery tapes
- V 84 - Shaft for sheet guide brackets
- V 85 - Tape tightening lever
- V 86 - Tape tightening lever shaft
- V 87 - Support bracket
- V 88 - Pivot stud
- V 89 - Ball bearing
- V 90 - Spring for V 91
- V 91 - Tape guide ring
- V 92 - Pivot pins for V 94
- V 93 - Ball bearing
- V 94 - Tape shaft
- V 95 - Screw
- V 96 - Screw
- V 97 - Tape guard
- V 98 - Connecting shaft
- V 99 - Screw
- V 100 - Thumbscrew
- V 101 - Casting for sheet hold down
- V 102 - Nut
- V 103 - Connecting link
- V 104 - Pin
- V 105 - Screw
- V 106 - Wheel
- V 107 - Bushing
- V 108 - Pivot stud for wheel
- V 200 - Sheet hold down, complete

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: V 104 - Pin



DELIVERY

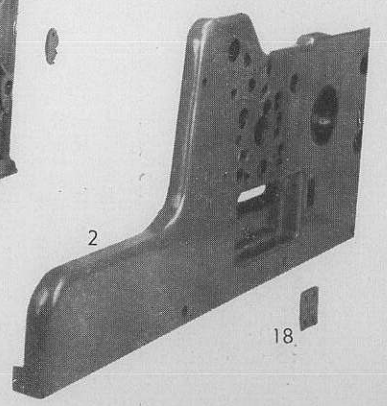
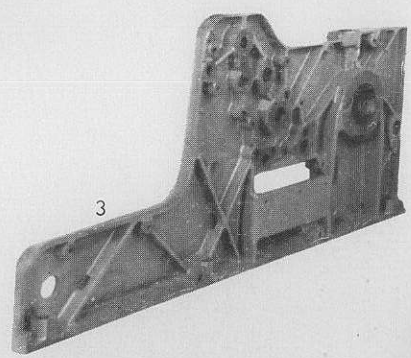
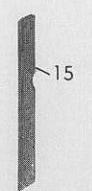
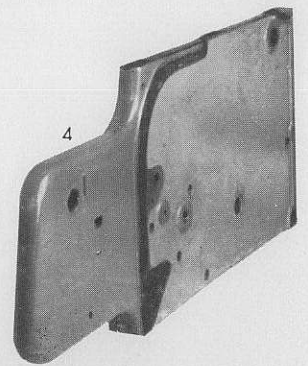
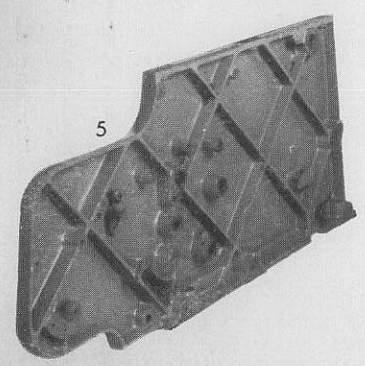
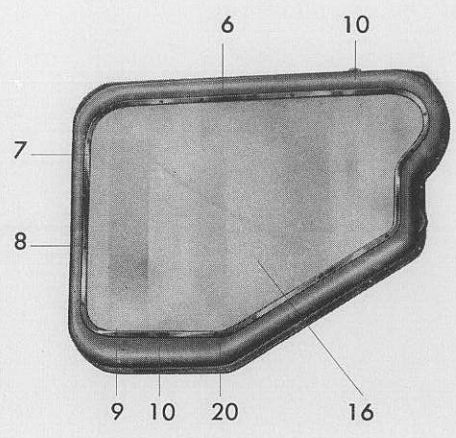
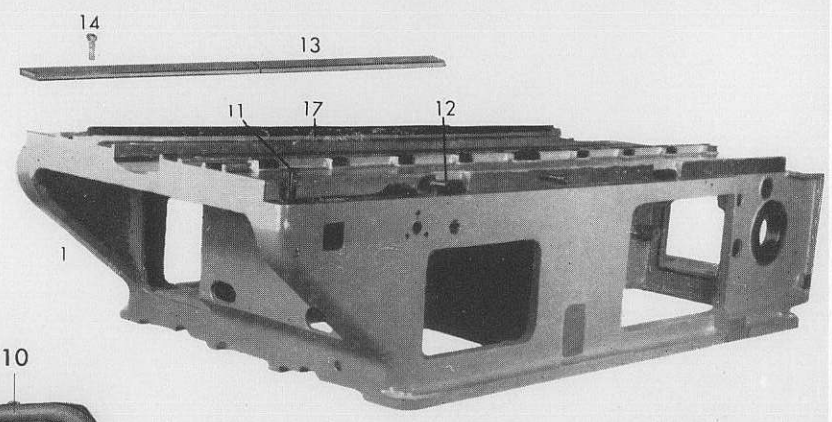
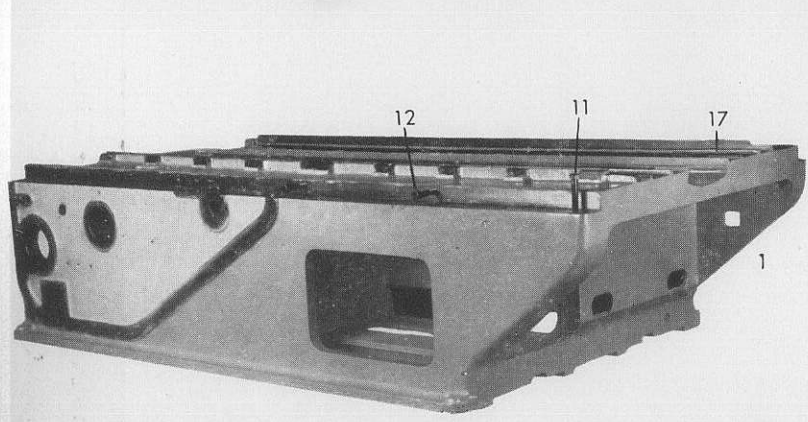


BASE AND SIDE FRAMES

K

- | | |
|--|---|
| K 1 - Base | K 10 - Plug and washer |
| K 2 - Side frame, cylinder housing,
operating side | K 11 - Screw |
| K 3 - Side frame, cylinder housing,
gear side | K 12 - Allen screws |
| K 4 - Side frame, delivery, gear side | K 13 - Front guide plates |
| K 5 - Side frame, delivery, operating side | K 14 - Screws |
| K 6 - Guard, gear side | K 15 - Plate |
| K 7 - Gasket | K 16 - Plexiglass plate for K 6 |
| K 8 - Plexiglass plate hold down frame, inner | K 17 - Bed track plate |
| K 9 - Screw and nut | K 18 - Cover plate and washer |
| | K 19 - Round plate |
| | K 20 - Plexiglass plate hold down frame, outer |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: K 1 - Base



BASE AND SIDE FRAMES

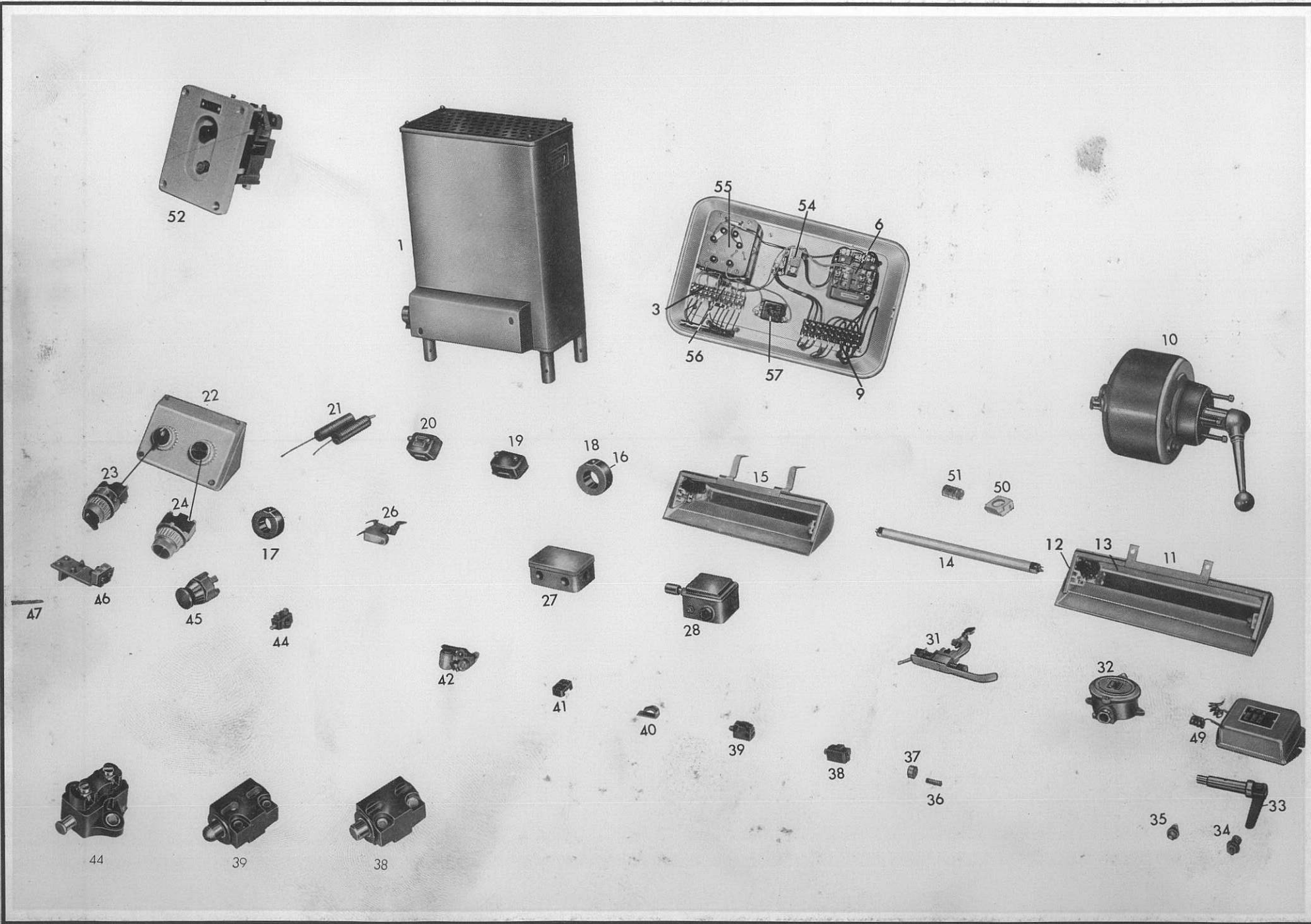
K

- K 20 - Right bracket for footboard
- K 21 - Left bracket for footboard
- K 22 - Covering for footboard
- K 23 - Footboard
- K 24 - Inserts for K 25 and K 34
- K 25 - Roller rack, operating side
- K 26 - Cover plates for oil cups
- K 27 - Motor rails
- K 28 - Guard for cylinder crown gear, operating side
- K 29 - Guard for cylinder crown gear, gear side
- K 30 - Knob
- K 31 - Form guard
- K 32 - Form guard bracket, operating side
- K 33 - Studs for K 31
- K 34 - Roller rack, gear side
- K 35 - Form guard bracket, gear side
- K 36 - Oil container
- K 37 - Gasket for K 6
- K 38 - Oil filter for K 39
- K 39 - Oil basin
- K 40 - Cover for cylinder lift mechanism
- K 41 - Guard between cylinder and ink distribution
- K 42 - Support bar for K 41
- K 43 - Distance piece
- K 44 - Inspection doors on base
- K 45 - Pinion gears for K 64 and K 65
- K 46 - Gasket for guard K 49
- K 47 - Screw and nut
- K 48 - Gasket
- K 49 - Guard (plexiglass)
- K 50 - Stud bolt for flywheel guard
- K 51 - Flywheel guard
- K 52 - Bracket for flywheel guard
- K 53 - Chase with centre bar
- K 54 - Chase centre bar
- K 55 - Air pump guard
- K 56 - Base for mould
- K 57 - Mould
- K 58 - Mould centering piece
- K 59 - Motor support bracket, left
- K 60 - V belt tension adjusting screw
- K 61 - Nut
- K 62 - Motor support bracket, right
- K 63 - Oil pump cover plate
- K 64 - Shaft for oil pump gear
- K 65 - Shaft for oil pump driving gear
- K 66 - Housing for oil pump
- K 67 - Washers
- K 68 - Screws
- K 69 - Outer gear, pump drive
- K 70 - Shafts for motor rails
- K 71 - Clip
- K 72 - Bushing for K 84
- K 73 - Screw
- K 74 - Oil pump support bracket
- K 75 - Helical gear wheel for oil pump
- K 76 - Oil container
- K 77 - Oil filter FIPS FIL/31
- K 78 - Screws
- K 79 - Washer
- K 80 - Nut
- K 81 - Oil pump
- K 82 - Pin for K 83
- K 83 - Helical gear for oil pump drive
- K 84 - Worm and shaft for oil pump drive
- K 85 - Gasket
- K 86 - Plexiglass plate hold down frame, inner
- K 87 - Plexiglass plate hold down frame, outer
- K 88 - Plexiglass plate for K 47

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: K 71 - Clip

- Y 1 - Rheostat
- Y 3 - Auxiliary circuits terminal board
- Y 6 - Three-pole remote control switch
- Y 9 - 6 terminal terminal board
- Y 10 - Speed regulator
- Y 11 - Housing for delivery light
- Y 12 - Push button switch
- Y 13 - Plexiglass guard for neon light
- Y 14 - Neon bulb
- Y 15 - Housing for form light
- Y 16 - Electric control collar
- Y 17 - Anti-offset sprayer electric rotary distributor
- Y 18 - Plate for Y 16
- Y 19 - Junction box for low tension circuits
- Y 20 - Junction box for light installation
- Y 21 - Rheostat resistor coils
- Y 22 - Push-button station
- Y 23 - Feeder switch
- Y 24 - Forward inching switch
- Y 26 - Delivery electric contacts
- Y 27 - Junction box
- Y 28 - Motor starting switch
- Y 31 - Cylinder electric contacts
- Y 32 - Junction box for light installation
- Y 33 - Contact lever
- Y 34 - Terminal
- Y 35 - Terminal
- Y 36 - Spring for Y 37
- Y 37 - Contact roller
- Y 38 - Brush contact for contactor
- Y 39 - Round brush contact
- Y 40 - Feeder board electric contact
- Y 41 - Bakelite supports for Y 40
- Y 42 - Feeder board lift regulator
- Y 44 - Safety contact
- Y 45 - Quick stop switch
- Y 46 - Brush support for contact roller
- Y 47 - Contact brush
- Y 49 - Ballast for neon light bulb
- Y 50 - Starter holder
- Y 51 - Starter for neon bulb
- Y 52 - Air pump overload cutout switch
- Y 54 - Thermal relays
- Y 55 - Transformer
- Y 56 - Westinghouse rectifier
- Y 57 - Automatic cutout for transformer

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: Y 55 - Transformer

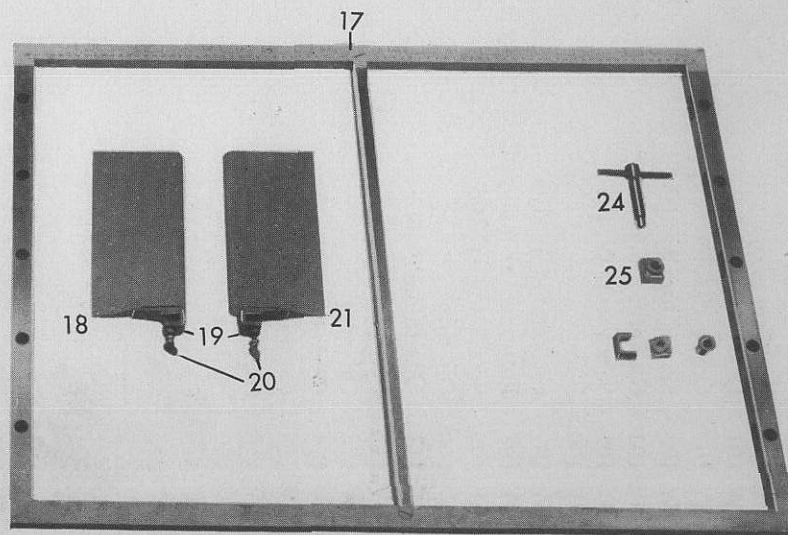
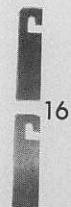
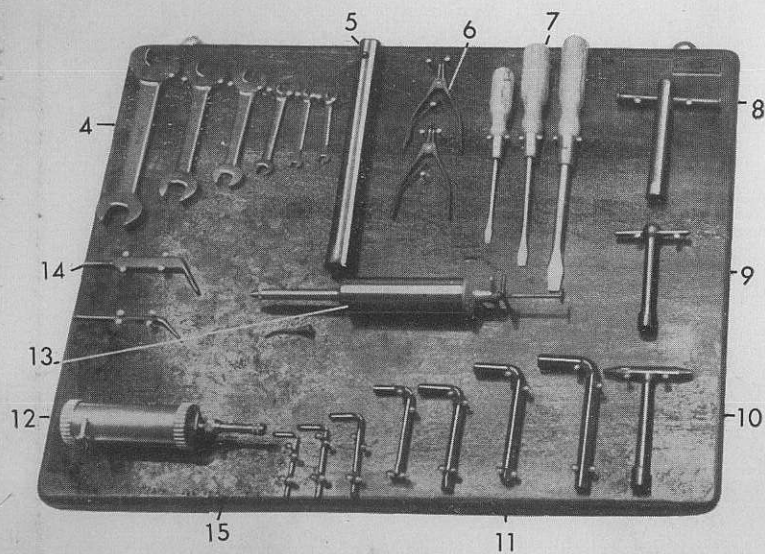
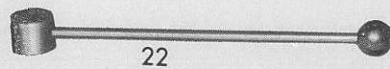
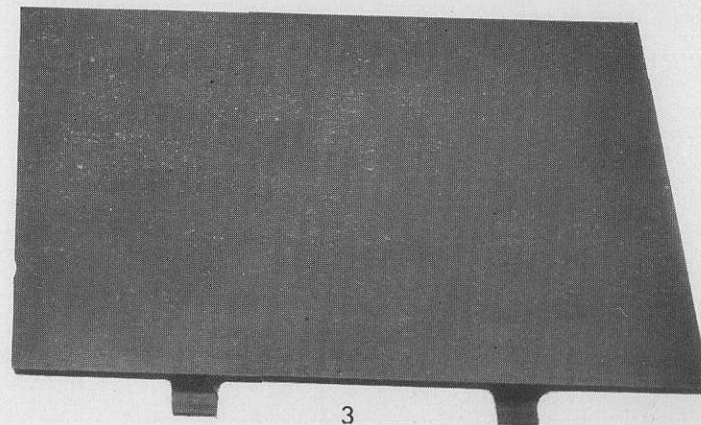
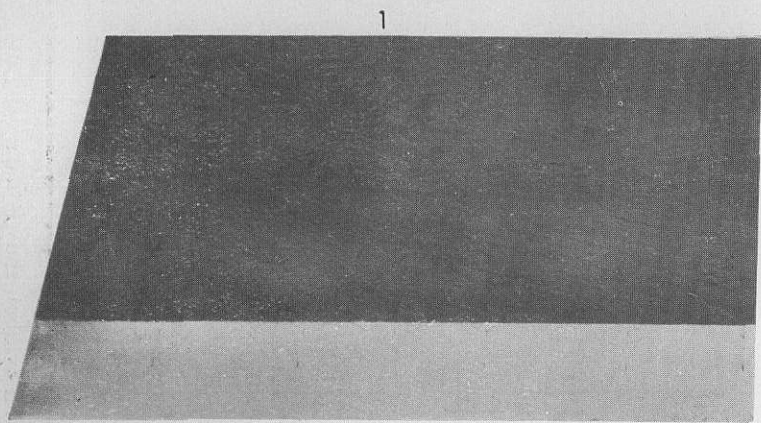


STANDARD AND OPTIONAL ACCESSORIES

X

- X 1/2 - Imposition board
- X 3 - Cast iron lock up stone
- X 4 - Set of 6 double head wrenches (6/8 - 7/9 - 10/12 - 14/17 - 19/22 - 24/27 mm)
- X 5 - Double head socket wrench (17 and 22 mm)
- X 6 - Set of two circlip pliers
- X 7 - Set of three screwdrivers (5 - 8 - 10 mm)
- X 8 - T Socket wrench
- X 9 - T Socket wrench
- X 10 - T Socket wrench
- X 11 - Set of seven Allen wrenches, hex. 4 - 5 - 6 - 8 - 10 - 12 - 14 mm
- X 12 - Oil can for nipple fittings
- X 13 - Oil can
- X 14 - Set of two tommy wrenches
- X 15 - Tool wall board
- X 16 - Gauge to set wash up blade
- X 17 - Special chase with built in quoins
- X 18 - Two up divider for delivery, operating side
- X 19 - Divider support bracket
- X 20 - Thumbscrews for dividers
- X 21 - Two up divider
- X 22 - Form roller gauge
- X 24 - Quoin key
- X 25 - Quoin

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: X 25 - Quoin



STANDARD AND OPTIONAL ACCESSORIES

X

WERIE AIR PUMP ASSEMBLY



- | | |
|---|-----------------------------------|
| W 100 - Ring | W 411 - Circlip |
| W 101 - Gasket for W 102 | W 412 - Filter cover |
| W 102 - Cover casting support | W 413 - Gasket for W 412 |
| W 103 - Screw for W 102 | W 414 - Spring |
| W 104 - Gasket | W 415 - Filters for W 419 |
| W 105 - Screw for W 106 | W 416 - Filters for W 419 |
| W 106 - Base | W 417 - Flat gasket for W 459 |
| W 107 - Gasket for W 108 | W 418 - Screw for W 419 |
| W 108 - Pump cover and oil container | W 419 - Filter cover |
| W 109 - Screw for W 108 | W 420 - Fiber washer for W 421 |
| W 110 - Oil tube | W 421 - Hex. head plug |
| W 111 - Oil drainage plug | W 422 - Screw |
| W 112 - Fiber gaskets | W 423 - Fiber washers for W 422 |
| W 113 - Oil gauge | W 424 - Screws for W 402 |
| W 114 - Gasket for W 113 | W 425 - Gasket for W 428 |
| W 115 - Oil cap | W 426 - Screw for W 428 |
| W 116 - Gasket for W 115 | W 428 - Support flange |
| W 117 - Sealing rings for oil pump | W 429 - Air circulating casing |
| W 118 - Gasket for oil pump | W 430 - Fiber washers |
| W 119 - Oil pump, complete | W 431 - Gasket for W 429 |
| W 120 - Screw | W 433 - Screw for W 429 |
| W 121 - Oil pump gear | W 434 - Screw |
| W 122 - Worm gear | W 435 - Ventilator cover |
| W 123 - Gasket for W 124 and W 135 | W 436 - Screw for W 437 |
| W 124 - Cover plate | W 437 - Oil sealer |
| W 125 - Screws for W 124 | W 438 - Ventilator |
| W 126 - Guide pin | W 439 - Inner connector |
| W 127 - Roller bearing NJL | W 440 - Rubber inserts |
| W 128 - Rotating ring | W 441 - Pin |
| W 129 - Blades for rotating rings | W 442 - Plate |
| W 130 - Oil tube with fittings | W 443 - Screw for W 442 |
| W 131 - Pump rotor | W 444 - Gasket for W 445 |
| W 132 - Pump rotor blades | W 445 - Connecting screws |
| W 133 - Key, on rotor | W 446 - Pressure regulating valve |
| W 134 - Key | W 447 - Suction regulating valve |
| W 135 - Cover plate for W 136 | W 448 - Rubber supports |
| W 136 - Pump housing | W 449 - Oil return pipe |
| W 400 - Threaded screw and nut | W 450 - Base |
| W 401 - Porcelain filter | W 451 - Hose connection for W 459 |
| W 402 - Oil sump | W 452 - Gasket for W 451 |
| W 403 - Plate for filter, lower | W 453 - Gasket |
| W 404 - Threaded lower closing plate for filter | W 454 - Gasket |
| W 405 - Gasket for W 404 | W 455 - Knob for W 459 |
| W 406 - Gaskets for W 401 | W 456 - Screw |
| W 407 - Oil outlet cover | W 457 - Gasket |
| W 408 - Gasket for W 407 | W 458 - Gasket |
| W 409 - Filter closing cap | W 459 - Filter housing |
| W 410 - Gasket for W 409 | |

When ordering spare parts always indicate complete identification symbol, that is both letter and number, for instance: W 456 - Screw

WERIE AIR PUMP ASSEMBLY

W

