

SPARE PARTS LIST

for 'Monotype' Composition and Type and Rule Casters

Comprising illustrations of
Sections and Component Parts with
their names and symbols

Parts List for 'Monotype'
Composition & Type and Rule Casters

BOOK NO.

217 C

Revised and additional sheets will be issued periodically
to keep this book up to date

The Monotype Corporation Limited

Registered Office: Monotype House, 43 Fetter Lane, London E.C.4

Head Office and Works: Salfords, Redhill, Surrey

Registered Trade Marks: Monotype and Monophoto

INTRODUCTION

A careful reading is most important

You will save time and money and avoid inconvenience when ordering parts.

To keep this book up-to-date

1. Insert the revised and additional sheets which will be supplied from time to time. (The revised sheets will retain the original plate numbers together with the date of the revision.)
2. Destroy the replaced sheets to avoid referring to out-of-date information.

Ordering of parts

To enable us to complete orders correctly, you must give us the following information:

1. The complete name of the part.
2. The symbol of the part, using lower-case letters, capitals and figures as printed.
3. The quantity required of each part.
4. Serial number of the machine.

Example

NAME	SYMBOL	QUANTITY	MACHINE NO.
Bridge Lever Bush	a2A7	2	22842

Contents of this book

This book contains a complete record of all standard parts for Composition Casters numbered 22001 and over, Type and Rule Casters numbered 1240 and over, and Attachments that can be applied, and 'Monotype' 5cu. ft. Compressors numbered 20212 and over; also of superseded parts which may still be in use.

All attachments are complete sections for extending the scope of the Casting Machines or for meeting special conditions.

Certain parts require to be fitted in our workshops; where customers possess their own facilities for fitting, these parts can be supplied direct. Footnote references to these parts are given below the group in which they appear.

How the Symbols are constructed

The central capital letter indicates a particular section of the machine; the number preceding the capital letter indicates the number of the group in that section; the number following the capital letter indicates a definite part in that group. If a lower-case letter precedes the first figure in the symbol (for example b1A11 or Xa18F) it indicates

there have been modifications in the construction of that component; the improved sub-section may not be interchangeable with the superseded component unless changes or alterations are made in other parts.

If the capital letter is repeated at the end of the symbol (for example a1AA or a4A6A) it indicates a main part that can only be supplied with certain components assembled with the main part; in such cases a reference mark is given (such as *, †, etc.), and a note at the foot of the group gives details of the parts which will be supplied, and which comprise the complete assembly. If a lower-case "r" is used as a suffix to the symbol, a repair part is indicated, and if in addition to the "r" a number is used (for example 24E5r2) the grade of repair is indicated.

When a capital "X" is the first character of a symbol (for example X7A) it indicates that a complete group may be ordered under that symbol alone; in which case the component parts of such group will be supplied.

Where reference marks are applied (such as *, †, etc.), always refer to the corresponding footnote before ordering such parts.

Symbols

A The capital letter (but not capital X), indicates a main section of the machine.

4A The figure preceding the capital letter indicates a group of parts of a main section (1st group, 2nd group, etc.).

IA10 The figure following the capital letter (but not capital X), indicates a definite component in the group.

a1AA The repetition of the capital letter indicates that the part is supplied assembled with other parts.

b1A11 A lower-case letter prefix indicates an improvement in design of a part or of a group. These improvements are progressive in alphabetical order.

X7A A prefixed capital "X" indicates a complete group of parts forming a complete sub-section or part of sub-section.

24E5r2 A number at the end of a symbol following a lower-case "r" indicates a part which may be applied to provide for wear (such as a cam lever roller).

U Unit Adding Attachment	20CU
Unit Shift Attachment	99CU
V Valve Box	30C, 25D, 92E, 216E, 222E, 245E, 296E, 302E, 303E, 304E, 206F
Valve Box Air Piping	207F
Valve Operating Arm	297E
Valve Repeater Release	220F
W Water Connection, front	79E
Water Escape Valve	42H
Water Pipe	43H- 46H
Water Pipe Connection	47H
Water Piping (supply and drain copper) Attachment	73CU
Water Supply Valve and Piping	52H
Water Supply Pipe Strainer Attachment	88CU
Water Supply Valve	48H
Wedge Cover	24C
Well Arm Drill	4CT
Winding Spool	21G
Winding Spool Driving Ratchet	23G
Winding Spool Driving Shaft	22G
Winding Spool Operating Spring	24G
Winding Spool Spring Box Plunger	25G
Worm Shaft	80E
Wrench	6CT

SYMBOL	PLATE	DESCRIPTION
137E	39	Guard, on Auxiliary Bracket
138E	39	Operating Bar Lever
139E	39	Operating Bar Lever Fulcrum Pin
140E	35	Centring Pin Lever Gag Block
141E	39	Spring Box
142E	39	Spring Box Lever
143E	39	Spring Box Lever Fulcrum Pin
144E	39	Spring Box Lever Link
145E	39	Spring Box Lever Link Pin
146E	56	Clutch
148E	40	Shear Cam
149E	12	Camshaft Stand Packing Piece
150E	29	Starting Bar
170E	29	Starting Bar Lock Bracket
171E	29	Starting Bar Lock Bracket Stud
172E	29	Starting Bar Stud
173E	56	Clutch Shear Arm Rod Lever
174E	56	Cone Pulley and Lever
175E	56	Pulley Lever Bracket
198E	29	Nameplate
198E	36	Patent Plate
199E	13	Oil Splash Guard, large
200E	13	Oil Splash Guard, small
200E	50	Air Pipe
210E	50	Air Pipe
210E	50	Air Pipe
212E	50	Air Pipe
213E	50	Air Pipe
213E	50	Air Pipe
214E	50	Air Pipe
215E	50	Air Pipe Connection Block
216E	50	Valve Box, Control
217E	36	Gear Cover, bottom
218E	50	Air Pipe
222E	43	Valve Box, Unit Adding
223E	57	Valve Box
293E	58	Air Pipe
294E	59	Bracket
295E	59	Switch Box
296E	59	Valve Box "Mathematical"
297E	59	Valve Operating Arm
301E	52	Speed Indicator
302E	60	Valve Box, "Unit Shift"
303E	60	Valve Box, Constant Air, "Unit Shift"
304E	60	Valve Box, "Unit Shift"
305E	60	Air Pipe, Valve Box, "Unit Shift"
1F	18	Column Pusher
2F	18	Column Pusher Adjusting Cam
3F	18	Column Pusher Adjusting Cam Stand
4F	17	Column Pusher Fulcrum Screw
5F	17	Column Pusher Lever
6F	17	Column Pusher Lever Stud
7F	20	Column Pusher Spring
8F	20	Column Pusher Spring Box
9F	21	Column Support, No. 4
10F	21	Column Support, No. 5
11F	21	Column Support, No. 6
13F	19	Galley Bar
14F	19	Galley Cam
15F	19	Galley Camshaft
16F	18	Galley Cam Stand
17F	18	Galley Pan Shelf
18F	18	Galley Pan Support
19F	19	Line Hook
20F	20	Line Hook Carriage
21F	20	Line Hook Operating Bar
22F	20	Line Hook Operating Bar Stop
23F	20	Line Hook Operating Slide
24F	20	Line Hook Operating Slide Shoe
25F	20	Line Hook Operating Slide Lever
26F	20	Line Hook Operating Slide Lever Stud
27F	20	Line Hook Operating Slide Spring Box
28F	19	Line Hook Stand
29F	21	Line Support, thin
30F	21	Line Support, thick
31F	20	Main Galley Stand
32F	18	Operating Lever
33F	18	Operating Lever Latch
34F	18	Operating Lever Latch Spring
35F	18	Operating Lever Latch Spring Post, in Main Galley Stand
36F	18	Operating Lever Latch Stand
37F	18	Operating Lever Spring Box
38F	18	Operating Lever Stud
39F	18	Rule
40F	18	Rule Lever
41F	18	Rule Lever Stud
42F	18	Tool Tray
43F	19	Tool Tray Support Bar
44F	19	Stop Slide
45F	20	Trip Lever
46F	19	Trip Lever Fulcrum Rod
47F	20	Trip Lever Spring
48F	20	Trip Lever Spring Post
49F	19	Type Channel Plate
50F	19	Type Channel Block, adjustable
51F	17	Type Channel Block, fixed
52F	21	Column Support, No. 3
53F	20	Line Hook Operating Slide Latch
54F	19	Line Support Pusher
55F	20	Line Support Pusher Catch Plate
70F	29	Type Channel Block Stand
71F	44	Operating Lever

SYMBOL	PLATE	DESCRIPTION
72F	21	Column Support, No. 1
73F	21	Column Support, No. 2
76F	40	Box, for short Leads
77F	41	Channel Bar
78F	41	Galley
79F	39	Guide Plate
80F	41	Guide Roller
81F	40	Main Bracket
82F	40	Main Bracket Buffer
83F	42	Shear Blade
84F	41	Shear Blade Guide
85F	41	Shear Blade Shoe
86F	41	Shear Blade Shoe Tube Clamp
87F	41	Shear Blade Shoe Tube Guide
88F	41	Shear Gauge
89F	40	Shear Gauge Spring
90F	40	Stacker Plate
91F	40	Stacker Rock Shaft
92F	41	Stack Support Block
93F	41	Supporting Beam
94F	41	Supporting Beam Bracket, right
95F	41	Supporting Beam Bracket, left
96F	41	Transfer Bar, rear
97F	40	Transfer Bar, front
100F	40	Transfer Bar Hanger Rod
101F	42	Transfer Bar Operating Lever
102F	42	Transfer Bar Operating Lever Adjusting Screw
103F	42	Transfer Bar Hanger Spring, long
104F	41	Transfer Bar Hanger Spring, short
105F	42	Main Bracket Shield
106F	42	Main Bracket Shield
107F	42	Shear Bell Crank
108F	42	Shear Bell Crank Adjusting Screw
110F	40	Shear Cam Lever
111F	40	Shear Cam Lever Fulcrum Pin
112F	29	Shear Cam Lever Fulcrum Pin Bracket
113F	40	Shear Cam Lever Spring
114F	42	Shear Operating Pin
115F	42	Shear Operating Pin
116F	42	Shear Trip Lever Spring
117F	40	Shear Trip Lever Spring Bar
118F	42	Shear Trip Lever Spring Bar
119F	42	Shear Yoke
120F	44	Shear Yoke Spring
121F	41	Stacker Rock Shaft Connecting Rod
122F	40	Thrust Bar
123F	40	Thrust Bar Bell Crank
124F	40	Thrust Bar Bell Crank Fulcrum Pin
125F	42	Thrust Bar Bell Crank Operating Bar
126F	42	Thrust Bar Bell Crank Spring, short
127F	40	Thrust Bar Bell Crank Spring, long
128F	42	Thrust Bar Operating Rod
129F	42	Thrust Bar Operating Rod
130F	46	Column Pusher
133F	46	Column Pusher Guide Bar Spring
134F	46	Column Pusher Guide Bar Lever
135F	46	Column Pusher Guide Bar Lever Bracket
136F	46	Lifting Frame
137F	46	Lifting Frame Adjusting Lever
138F	46	Lifting Frame Adjusting Lever Spring
139F	46	Lifting Frame Adjusting Lever Bell Crank
140F	46	Lifting Frame Adjusting Lever Bell Crank Slide
141F	46	Lifting Frame Adjusting Lever Bell Crank Spring
142F	46	Lifting Frame Lifting Rod
143F	45	Galley Pan Shelf, left
144F	46	Nameplate
145F	45	Step Slide Trip Bar
146F	45	Type Channel Block Bracket
147F	45	Type Channel Block Bracket Screw
148F	40	Shear Blade Shoe Tube Friction Plate
149F	40	Transfer Bar Guard
150F	47	Lead Depressor
151F	47	Lead Galley
152F	47	Lead Galley Operating Lever
153F	47	Lead Galley Support Block
154F	47	Lead Pusher
155F	47	Rule Guide
156F	48	Valve Box
157F	48	Valve Box Air Piping
158F	48	Galley Cut-out
159F	21	Line Support Pusher Spring Box
160F	21	Line Support Pusher Spring Box Chain
161F	48	Galley Cam Guard
162F	49	Line Support Pusher Catcher
163F	49	Trip, Repeater
164F	49	Trip Gauge Bar, Repeater
165F	50	Valve, Repeater Release
166F	22	Air Lower Housing
167F	22	Air In, including Valve Body
168F	22	Air Bar Clamping Lever
169F	23	Air Bar Clamping Lever Connecting Rod
170F	23	Air Bar Shaft
171F	23	Air Pipe, to Air Bar
172F	22	Air Pipe Cover, right
173F	23	Air Pipe Cover, left

SYMBOL	PLATE	DESCRIPTION
9G	22	Basket
10G	23	Nameplate
11G	22	Paper Tension Roller
12G	22	Paper Feed Locking Lever
13G	22	Paper Feed and Locking Pawl
14G	22	Paper Feed Pawl Ring
15G	22	Paper Feed Pawl Stud, lower
16G	22	Paper Feed Pawl Stud, upper
17G	23	Paper Feed Spring Box
18G	23	Paper Tension Bar
19G	22	Air Tower Lever
20G	22	Air Pipe
21G	23	Winding Spool
22G	22	Winding Spool Driving Shaft
23G	22	Winding Spool Driving Ratchet
24G	22	Winding Spool Operating Spring
25G	23	Winding Spool Spring Box Plunger
26G	44	Copy Repeater
27G	23	Paper Repeater
28G	50	Control Box, "Repeater", Paper Feed
29G	49	Control Plate, "Quadding"
30G	51	Paper Ribbon Rewinder
1H	25	Air Pipe
2H	27	Air Cock
9H	27	Gas Pipe
12H	24	Melting Pot
13H	24	Melting Pot Chimney
14H	26	Nozzle
16H	27	Pipe Bracket
16H	26	Piston
17H	24	Piston Lever
19H	25	Piston Operating Rod
20H	25	Piston Spring
21H	25	Pump Bell Crank
22H	14	Pump Bell Crank Connecting Rod
23H	26	Pump Body and Piston
24H	25	Pump Body Lever
25H	24	Pump Body Lifting Lever, Piston End
26H	25	Pump Body Lifting Lever, Nozzle End
27H	24	Pump Body Lifting Spring
28H	24	Pump Body Operating Rod
29H	24	Pump Body Operating Rod Lever
31H	24	Pump Body Spring
32H	24	Pump Lever Connecting Link
33H	14	Pump Rocker Arm
34H	14	Pump Operating Lever
35H	10	Pump Trip (Hand)
37H	25	Swing Frame
38H	25	Swing Frame Post
39H	25	Swing Frame Rocker
40H	25	Swing Frame Wormshaft Crank
41H	27	Water Escape Valve
42H	27	Water Pipe, Drain
43H	27	Water Pipe, Drain
44H	27	Water Supply Pipe
45H	27	Water Pipe, Drain
47H	27	Water Pipe Connection, side, on Main Stand
48H	27	Water Supply Valve
49H	28	Gas Hose, Armoured
52H	27	Water Supply Valve and Piping
53H	28	Melting Pot, Heater and Temperature Regulator, Electric
55H	28	Gas Burner
57H	35	Latch
58H	35	Latch Abutment
59H	35	Latch Abutment Spring
60H	35	Latch Pin
61H	35	Latch Spring
62H	35	Latch Stand
63H	35	Pump Body Spring Rod Stop Plate
65H	55	Ingos Feeder
67H	48	Support
70H	28	Temperature Regulator, Gas
73H	56	Blower Casing
75H	56	Blower Casing Cover, front
76H	56	Blower Casing Cover, rear
77H	56	Blower Pulley
78H	56	Blower Rotor
79H	56	Blower Shaft
161H	51	Pump Stroke Counter
162H	52	"Pluslite"
163H	52	Lamp
1CK101	32	Air Filter, felt
1CK108	30	Air Flange
1CK115	32	Air Valve
1CK119	31	Ball Bearing, for Crankshaft Connecting Rod
1CK131	31	Crankshaft
1CK139	30	Cylinder Block
1CK144	30	Cylinder Head
1CK148	31	Flywheel
1CK149	30	Nameplate
1CK151	30	Oil Chamber and Air Filter Case
1CK158	30	Oil Feed Adjusting Valve
1CK162	30	Oil Filter
1CK168	32	Oil Filter
1CK170	30	Oil Pump Housing
1CK175	30	Oil Pump Piston
1CK181	32	Oil Pump, Valve
1CK188	32	Oil Tray, in Cylinder Block
1CK190	30	Oiling Instruction Plate

SYMBOL	PLATE	DESCRIPTION
ICK192	31	Piston
ICK197	31	Roller Bearing, for Crankshaft
ICK207	32	Oil Pump Eccentric
6CK	30	Condensing Tank $\frac{1}{2}$ "
7CK	30	Condensing Tank $\frac{1}{4}$ "
8CK	30	Condensing Tank $1\frac{1}{2}$ "
1CT	33	Galley
2CT	33	Ingot Mould
3CT	33	Iron Ladle
3CT	33	Skimming Spoon
4CT	33	Cleaning Tool, Pump Body Bearing, (Nozzle End)
4CT	33	Nozzle Drill
4CT	33	Nozzle Tap
4CT	33	Well Arm Drill
5CT	33	Screwdriver
6CT	33	Wrench
7CT	33	Dowel Punch
8CT	33	Centring Pin Gauge
8CT	34	Micrometer
8CT	34	Nozzle Gauge
8CT	34	Nozzle Squaring Post
8CT	34	Point Measure Gauge
8CT	34	Type Alignment Gauge
9CT	34	Eye Glass
10CT	34	Tweezers
11CT	34	Mould Oiler
12CT	34	Thermometer
13CT	29	Galley Type Guide
14CT	34	Oil Can
15CT	34	Type Tray Holder
15CT	34	Orderly Box
21CT	34	Cleaning Tool, $\frac{1}{4}$ " Pump Body Bush, lower
23CT	54	Motor Base
25CT	54	Motor Base
27CT	34	Mould Assembling Outfit
29CT	34	Cleaning Tool, Pump Piston Washer Seating
30CT	35	Centring Pin Auxiliary Spring Gag
31CT	34	Pump Piston Extractor
32CT	34	Crossblock Oiler
33CT	34	Base Pad
34CT	34	Driving Pulley Extractor
35CT	34	Precision Tools
36CT	34	Type Alignment Slip Gauge
41CT	56	Belt, V
42CT	34	Grease Gun, for Jaw Tongs Spring Box, double
44CT	34	Mould Oiler
45CT	34	Base Tray
46CT	34	Dust Cover
47CT	34	Sorts Matrix Storage Box
48CT	34	Pump Cleaning Equipment
49CT	34	Cabinet, for Matrix Boxes
88CT	33	Slide Distance Piece Tool
9CU	35	Display Attachment
11CU	39	Lead and Rule Attachment
16CU	28	Electric Melting Pot Attachment
20CU	43	Unit Adding Attachment
22CU	44	Rule Dotting Attachment
23CU	45	Reverse Delivery Attachment
24CU	44	Galley Trip (Sorts) Attachment
27CU	47	Leading Attachment
28CU	44	Overhung Type Attachment
29CU	54	Motor Drive Attachment
31CU	54	Motor Drive Attachment
32CU	44	Space Casting Attachment
33CU	44	Copy Repeating Attachment
33CU	35	Short Lead and Rule Attachment
61CU	49	Quadding and Centring Attachment
62CU	51	Combined Spacing Attachment
63CU	52	Lighting Attachment
64CU	53	Duplex Mould Attachment
67CU	54	Motor Belt Guard Attachment
73CU	27	Water Piping (supply and drain, copper) Attachment
74CU	3	Centring Pin (increased diameter) Attachment
75CU	25	Duplex Piston Spring Attachment
76CU	55	Ingot Feeder Attachment
77CU	15	Jaw Tongs Spring Box, double, At- tachment
78CU	10	Space and Type Transfer Wedge Operating Rods (increased diameter threaded end) Attachment
80CU	51	Pump Stroke Counter Attachment
81CU	56	Two-Colour Attachment
82CU	51	Paper Ribbon Rewinder Attachment
83CU	35	Large Composition Attachment
84CU	51	Special Timetable Equipment Attach- ment
85CU	56	Air Blower Attachment
86CU	53	Dual Type Mould Attachment
87CU	51	High Quad Attachment
88CU	27	Water Supply Pipe Strainer Attachment
89CU	51	Matrix Holder, Flanged 'Monotype' Thompson Matrices
90CU	35	Quad and Space Mould Attachment
93CU	58	Mathematical Attachment
97CU	34	Crossblock Oiler Attachment
98CU	52	Speed Indicator Attachment
99CU	60	Unit Shift Attachment

Components of
COMPOSITION CASTER
TYPE AND RULE CASTER

New-style loose-leaf Parts Book for Composition and
Type and Rule Casters.

The above parts book is now available for general distribution and the selling price has been fixed at £2. 2. 0. per copy inclusive of postage and packing; a free copy will be supplied with each new installation.

This book is presented in the form of a loose-leaf plastic-covered binder containing an illustrated list of all current and superseded parts for Composition Casters numbered 22001 and over and Type and Rule Casters numbered 1240 and over; the existing books should be retained by Customers to cater for the pre-war range of machines. Customers who are already equipped with post-war machines will be supplied with a copy of the new book on demand, and will be charged accordingly.

To keep these books up to date, an 'after-sales' service will be provided whereby amendment sheets will be mailed from time to time (free of charge) to Customers for insertion in their books.

To ensure that this service can be given, it is essential that the complete address be stated on all Memoranda, Literature Forwarding Specifications and Indents for Composition Caster Parts Books so that accurate records can be kept in this department for future mailings.

A numbered slip has been pasted on the title page of each copy, having a detachable portion which will be used to record the Customer's name and address in the mailing room.

When parts books are supplied from Salfords direct to a Customer in accordance with an official Order, internal Memorandum or Installation Order, these books will be registered automatically by our staff for the replacement-sheet service. Overseas and Continental Branch Offices and Agents, however, when ordering copies for stock purposes, are requested to fill in the necessary information before passing the books to their Customers, and to forward the slips to the Technical Literature Department at Salfords for registration. It will be to the benefit of all concerned if stocks at the Offices are kept to an absolute minimum. Past experience has shown that the insertion of replacement pages tends to be neglected when large stocks are involved.

While the copy for this book was being filmset and printed, nearly two dozen new Works Alteration Sheets were issued. Replacement pages will be supplied in due course to cover any important modifications contained in these sheets.

Insets will be printed on papers of distinctive colours for use in the American market and for Customers who have 16 x 17 machines.

P. H. Sargent

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B. H. Spate
Manager.

Technical Literature Department.

IA					
<i>fvIAA</i> †††	Bridge, type height '918' to '942', Triplex Mould Attachment	<i>IA49</i>	Air Pipe, Constant Air, to Bracket, Triplex Mould Attachment (see Plate 57)	<i>XeZa</i>	Bridge Rule, Type and Rule Caster, group; consists of b2AA, 2A1, c2A2, 2A4, 5 and 6, 2A8
<i>gvIAA</i> †††	Bridge, type height '943' and over, Triplex Mould Attachment	<i>IA50</i>	Air Pipe, Front to Cylinder, Constant Air, Triplex Mould Attachment (see Plate 57)		*b2AA consists of b2A, a2A(7/2)
<i>twIAA</i> †††	Bridge, type height '918' to '942'	<i>IA51</i>	Air Pipe, rear, to Cylinder, Constant Air, Triplex Mould Attachment (see Plate 57)		†Composition Casters numbered 22001 to 23006 inclusive and Type and Rule Casters numbered 1240 to 1315 inclusive were equipped with this part
<i>rwIAA</i> †††	Bridge, type height '943' and over	<i>XrwIA</i>	Bridge, type height '918' to '942', group; consists of twIAA, a1A(1/2), b1A5, a1A6(2), a1A7(2), 1A9(2)		‡For machines not equipped with Low Quad Attachment
<i>rwIAA</i> †††	Bridge, type height '918' to '942', Type and Rule Caster	<i>XuwIA</i>	Bridge, type height '943' and over, group; consists of uwIAA, a1A(1/2), b1A5, a1A6(2), a1A7(2), 1A9(2)		
<i>avIAA</i> †††	Bridge, type height '943' and over, Type and Rule Caster	<i>XrwIA</i>	Bridge, type height '918' to '942', Type and Rule Caster group; consists of vwIAA, a1A1, 1A5, a1A6(2), a1A7(2), 1A9(2), a1A21		
<i>dvIAA</i> †††	Bridge, type height '918' to '942', Duplex Mould Attachment	<i>XavIA</i>	Bridge, type height '943' and over, Type and Rule Caster, group; consists of vwIAA, a1A1, 1A5, a1A6(2), a1A7(2), 1A9(2), a1A21		
<i>evIAA</i> †††	Bridge, type height '943' and over, Duplex Mould Attachment	<i>XdvIA</i>	Bridge, type height '918' to '942', Duplex Mould Attachment, group; consists of dvIAA, a1A(1/2), b1A5, a1A6(2), a1A7(2), 1A9(2)		
<i>IA1</i>	Mathematical Attachments (see Plate 58)	<i>XevIA</i>	Bridge, type height '943' and over, Duplex Mould Attachment, group; consists of evIAA, a1A(1/2), b1A5, a1A6(2), a1A7(2), 1A9(2)		
<i>a1A1</i>	Screw (2), to Main Stand	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xg4A, Xn5A, Xg6A, X7A, Xv9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA2†††</i>	Leg, type height '918' to '942' (see Plate 2)	<i>XXdvIA</i> †††	Bridge, (specify type height) complete, type height '943' to 1-017' inclusive; consists of XuvIA, Xd2A, Xa3A, Xg4A, Xn5A, Xg6A, X7A, Xv9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>a1A2†††</i>	Leg, type height '943' and over	<i>XXrwIA</i>	Bridge, type height '918' to '942', complete; consists of XrwIA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA2†††</i>	Leg, type height '918' to '942', Triplex Mould and Mathematical Attachments (see Plates 57, 58)	<i>XXvrlA</i>	Bridge, type height '943' and over, complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>wIA2†††</i>	Leg, type height '943' and over, Triplex Mould and Mathematical Attachments	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA3</i>	Leg Screw, top, $\frac{1}{2} \times \frac{1}{2}$, also for Fulcrum Bracket (see Plate 2)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA4</i>	Leg Screw, top, $\frac{1}{2} \times \frac{1}{2}$, also for Fulcrum Bracket (see Plate 2)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA5</i>	Leg Spring Stop, for Fibre Stop Spring, Type and Rule Caster	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>b1A5</i>	Leg Spring Post, for Fibre Stop Spring (see Plate 2)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA6†††</i>	Bush (2), for currying Frame Guide Rod	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA7†††</i>	Bush (2), for Carrying Frame Guide Rod	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA7†††</i>	Bush Nut (2), hexagon	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA9</i>	Bush Screw, front and rear (2), $\frac{1}{2} \times \frac{1}{2}$	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA10</i>	Pin, for Lever Stop (see Plate 2)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA11</i>	Stud, for Centring Pin Aligning Lever, rear (see Plate 2)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>a1A12</i>	Stud Split Pin, $\frac{1}{2} \times \frac{1}{2}$	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA21</i>	Screw, to Main Stand, also anchor for Spring (Low Spaces), Space Casting Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>a1A21</i>	Screw, to Main Stand, also anchor for Spring (Low Spaces), Type and Rule Caster and Space Casting Attachment (see Plate 44)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>a1A25</i>	Air Pipe N = .0075", Part 1, to Selecting Lever Switch Box, Duplex Mould Attachment (see Plate 53)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>b1A25</i>	Air Pipe N = .0075", Part 1, to Selecting Lever Switch Box, Dual Type Mould Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA27</i>	Air Pipe N = .0075", Part 2, to Selecting Lever Switch Box, Duplex Mould Attachment (see Plate 53)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>a1A27</i>	Air Pipe N = .0075", Part 2, to Selecting Lever Switch Box, Dual Type Mould Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA29</i>	Air Pipe Connector, Duplex Mould, Dual Type Mould and Two-Colour Attachments (see Plate 53)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA30</i>	Air Pipe Connector Lock Nut, Duplex Mould, Dual Type Mould and Two-Colour Attachments (see Plate 53)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA31</i>	Air Pipe .0005", Part 1, to Selecting Lever Switch Box, Two-Colour Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA32</i>	Air Pipe .0005", Part 2, to Selecting Lever Switch Box, Two-Colour Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA33</i>	Air Pipe Connector, to Selecting Lever Switch Box, Two-Colour Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA34</i>	Air Pipe .0075", Part 1, to Selecting Lever Switch Box, Dual Type Mould Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA35</i>	Air Pipe .0075", Part 2, to Selecting Lever Switch Box, Dual Type Mould Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA36</i>	Air Pipe Lock Nut, Dual Type Mould Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA37</i>	Air Pipe Connector, Dual Type Mould Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA38</i>	Air Pipe Connector Lock Nut, Dual Type Mould Attachment	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
<i>IA48</i>	Air Pipe N = .0005", to Selecting Lever Switch Box, Triplex Mould Attachment (see Plate 57)	<i>XXvrlA</i> †††	Bridge, type height '918' to '942', complete; consists of XvrlA, Xd2A, Xa3A, Xd4A, Xg5A, Xg6A, X7A, Xg9A, c29AA, d29AA4, e29AA9A, Xa33A, X35A, X42A, X6A		
		<i>b2AA</i> *	Bridge Lever		
		<i>2A1</i>	Connecting Link (see Plate 2)		
		<i>c2A2</i>	Fulcrum Rod		
		<i>2A3†</i>	Fulcrum Rod Yoke		
		<i>2A4</i>	Fulcrum Rod Nut		
		<i>2A5</i>	Fulcrum Pin		
		<i>2A6</i>	Fulcrum Pin Split Pin, $\frac{1}{2} \times \frac{1}{2}$ (see Plate 2)		
		<i>e2A7</i>	Bush (2)		
		<i>2A8†</i>	Fulcrum Rod Distance Collar, Type and Rule Caster		
		<i>Xd2A</i>	Bridge Lever group; consists of b2AA, 2A1, c2A2, 2A4, 5 and 6		
		<i>c29AA</i> *	Fulcrum Bracket		
		<i>d29A4†</i>	Fulcrum Bracket, Duplex Mould, Two-Colour and Dual Type Mould Attachments (see Plate 53)		
		<i>29A1</i>	Fulcrum Stud (2)		
		<i>29A2</i>	Fulcrum Stud Pin (2)		
		<i>29A3</i>	Fulcrum Stud Nut (2)		
		<i>d29AA4†</i>	Character Lever		
		<i>d29A5</i>	Bush (1) also Space Lever Bush (1) (Not supplied separately, order d29A4 or d29A9A)		
		<i>d29A6</i>	Collar (1) also Space Lever Collar (1) (Not supplied separately, order d29A4 or d29A9A)		
		<i>d29A7</i>	Spring		
		<i>d29A8</i>	Spring Stud		
		<i>d29A9A</i>	Space Lever, High Quad Attachment (see Plate 51)		
		<i>29A25</i>	Refer to d29A9A		
		<i>29A34</i>	Refer to d29A8		
		<i>29A35</i>	Bush, High Quad Attachment (Not supplied separately, order d29A9A)		
		<i>29A36</i>	Latch Plate, High Quad Attachment (see Plate 51)		
		<i>*c29AA</i>	consists of c29A, 29A1(2), 29A2(2), 29A3(2)		
		<i>†d29AA</i>	consists of d29A, 29A1(2), 29A2(2), 29A3(2)		
		<i>‡d29AA4</i>	consists of d29A4, a29A5 and 6, e29A8, a29A3		
		<i>§d29A9A</i>	consists of a29A5, 6 and 7, e29A9		
		<i>¶d29A9A</i>	consists of a29A7, d29A9, 29A35		
		42A	Cross Beam Lifting Lever		
		<i>42A1</i>	Fulcrum Stud		
		<i>42A2</i>	Fulcrum Stud Nut		
		<i>42A4</i>	Rock Arm, for Fibre Stop		
		<i>42A5A</i> *	Stand		
		<i>42A6</i>	Stand Cup (2)		
		<i>42A7</i>	Stand Cup Screw (4), $\frac{1}{2} \times \frac{1}{2}$		
		<i>42A8</i>	Stand Screw (2), $\frac{1}{2} \times \frac{1}{2}$, to Bridge (see Plate 2)		
		<i>Xd2A</i>	Cross Beam Lifting Lever group; consists of 42A1 to 4 inclusive, 42A5A, 42A8(2) *42A5A consists of 42A5, 42A6(2), 42A7(4)		
		64A	Centring Pin Guide Post		
		<i>64A1</i>	Centering Pin		
		<i>64A2</i>	Screw, $\frac{1}{2} \times \frac{1}{2}$		
		<i>64A3</i>	Sleeve		
		<i>64A4</i>	Washer		
		<i>X6A4</i>	Centring Pin Guide Post group; consists of 64A1 to 4 inclusive		

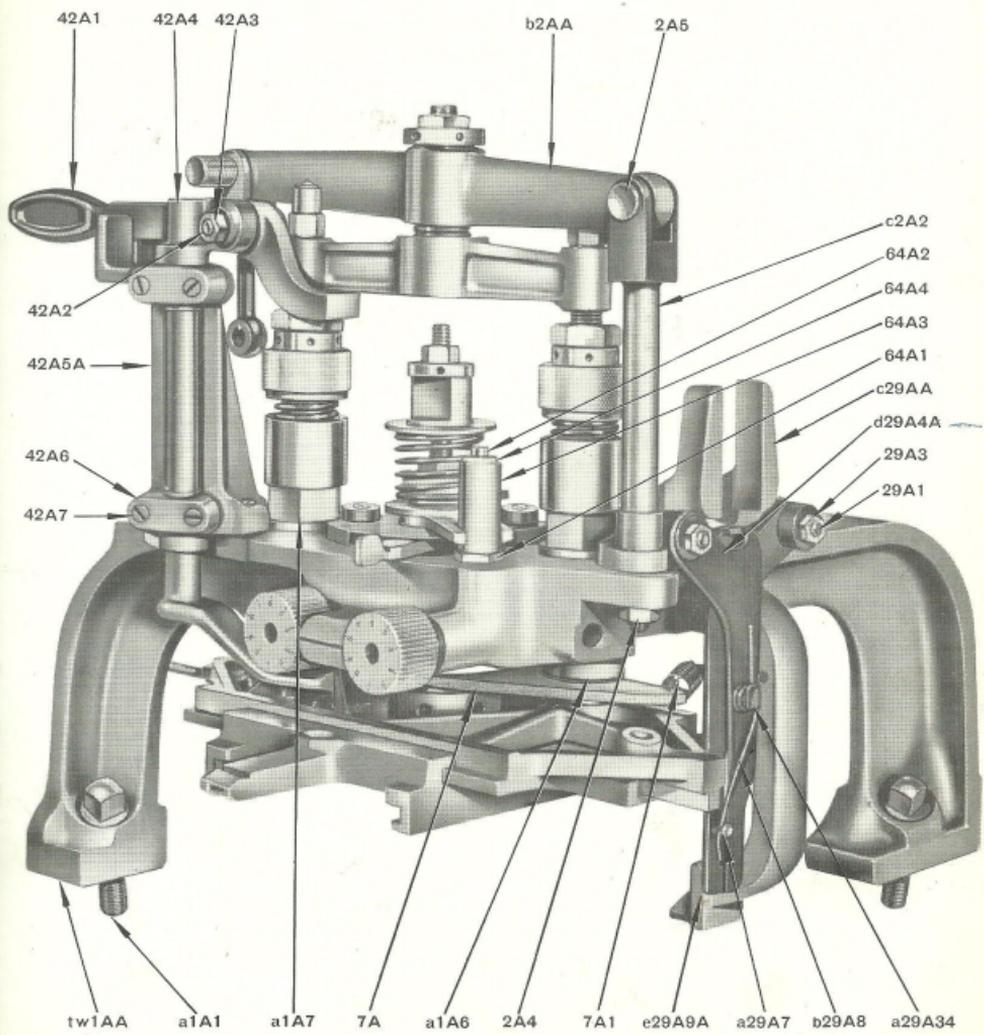


Plate I

- 1A**
Bridge
 t1A2 Leg, type height '918" to '942"
 1A3 Leg Screw, side (2), $\frac{1}{4}" \times \frac{3}{8}"$
 a1A4 Leg Screw, top, $\frac{1}{4}" \times \frac{3}{8}"$, also for Fulcrum Bracket
 b1A5 Leg Spring Posi. for Fibre Stop Spring
 1A10 Pin, for Fibre Stop
 b1A11 Stud, for Centring Pin Aligning Lever, rear

- 2A**
Bridge Lever
 2A1 Connecting Link
 2A6 Fulcrum Pin Split Pin, $\frac{1}{8}" \times \frac{1}{4}"$

- 3A**
 a3A Bridge Lever Link Pin (Not supplied separately, order Xa3a)
 a3A1 Spring (Not supplied separately, order Xa3A)
 Xa3A Bridge Lever Link Pin group; consists of a3A, a3A1

- 4A**
 c4AA* Carrying Frame
 a4A1# Guide Rod (2)
 b4A1 Guide Rod (2)
 4A2# Guide Rod Stop Nut (2)
 a4A2 Guide Rod Stop Nut (2)
 4A2# Guide Rod Stop Nut Lock Nut (2)
 a4A3 Guide Rod Stop Nut Lock Nut (2)
 b4AA4# Guide Rod Oil Cap (2)
 a4A6A# Guide Rod Cross Beam

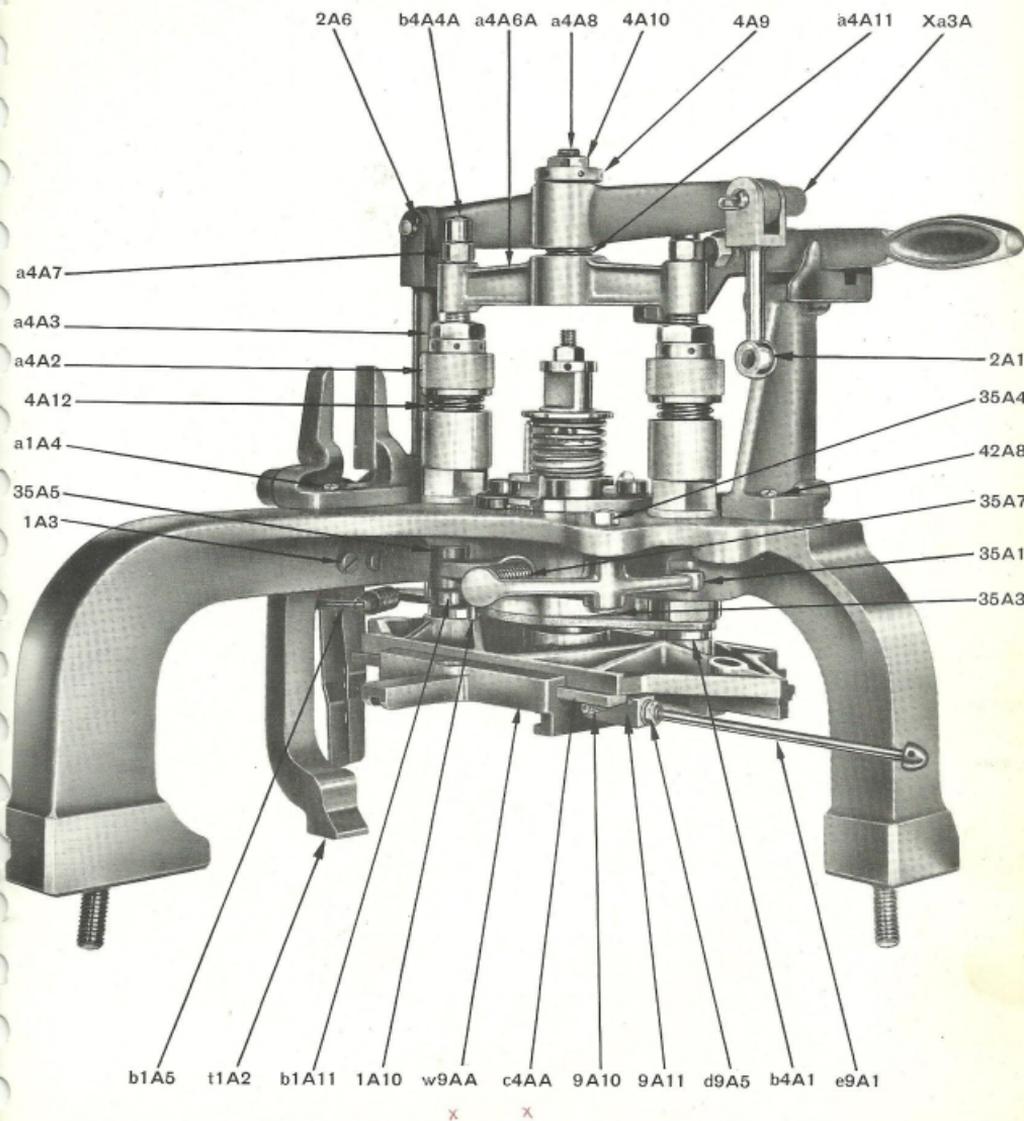
- a4A7 Guide Rod Cross Beam Nut (2) (Not supplied separately, order b4AA4A)
 a4A8 Guide Rod Cross Beam Stud
 4A9 Guide Rod Cross Beam Stud Adjusting Nut
 4A10 Guide Rod Cross Beam Stud Adjusting Nut Lock Nut
 a4A11 Guide Rod Cross Beam Stud Spring
 4A12 Raising Spring (2)
 4A1# Oiling Pad (2)
 4A15 Oiling Pad Retaining Clip (2)
 X4AA Carrying Frame group; consists of c4AA, b4A1(2), a4A2(2), a4A3(2), b4A4A(2), a4A6A, 4A9 and 10, a4A11, 4A12(2)
 *c4AA consists of c4A, 4A14(2), 4A15(2)
 †b4AA4A each consists of b4A4, a4A7
 ‡b4AA6A consists of a4A6, a4A8
 §Composition Casters numbered 22001 to 22198 inclusive and Type and Rule Casters numbered 1243 to 1255 inclusive were equipped with these parts

- 9A**
 q9AA* Sliding Frame
 19AA† Sliding Frame
 v9AA‡ Sliding Frame (specify type height)
 w9AA§ Sliding Frame (specify type height) Unit
 Shift 15 x 17 Rows Attachment
 a9A1# Draw Rod
 c9A1 Draw Rod
 c9A5# Draw Rod Lock Nut
 d9A5 Draw Rod Lock Nut
 9A6 Oiling Pad (2)
 9A9 Oiling Pad Retaining Clip (2)
 9A10 Draw Rod Spring
 9A11** Draw Rod Yoke
 9A12** Draw Rod Yoke Pin
 9A13 Draw Rod Yoke Pin Split Pin
 Xq9A Sliding Frame group; consists of q9AA, d9A1

- X79A Sliding Frame group; consists of 19AA, d9A1
 X79A Sliding Frame (specify type height) group; consists of v9AA, c9A1, d9A5
 X79A Sliding Frame (specify type height) group; consists of w9AA, e9A1, d9A5
 *q9AA consists of q9A, c9A5, 9A8(2), 9A9(2)
 †19AA consists of 19A, c9A5, 9A8(2), 9A9(2)
 ‡v9AA consists of v9A (specify type height), 9A8(2), 9A9(2), 9A10 to 13 inclusive
 §Composition Casters numbered 22001 to 26952 inclusive were equipped with these parts
 ¶Composition Casters numbered 21402 to 26952 inclusive were equipped with these parts
 **Can be fitted only at Workshops

- 35A**
 35A1 Centring Pin Aligning Lever, left
 35A2 Plunger, left (see Plate 3)
 35A3 Stud
 35A4 Stud Nut
 35A5 Centring Pin Aligning Lever, right
 35A6 Plunger, right (see Plate 3)
 35A7 Spring
 X35A Centring Pin Aligning Lever group; consists of 35A1 to 7 inclusive

- 42A**
 42A8 Cross Beam Lifting Lever
 Stand Screw (2), $\frac{1}{4}" \times \frac{1}{4}"$, to Bridge



5A Centring Pin (increased diameter)
 Centring Pin
 Adjusting Nut
 Adjusting Nut Lock Nut
 Adjusting Nut Lock Nut
 Spring
 Spring Abutment, lower
 Spring Abutment, lower
 Spring Abutment, upper
 Spring Abutment, upper
 Spring Abutment, lower, Lock Nut
 Spring Abutment, lower, Lock Nut
 Centring Pin (increased diameter) group; consists of n5A, b5A1, a5A2 and 3, g5A4, d5A5, b5A12

Xg3A* Centring Pin group; consists of q5A, 5A1 and 2, a5A3, c5A4, a5A3, 5A12

*Composition Casters numbered 22001 to 22827 inclusive and Type and Rule Casters numbered 1240 to 1300 inclusive were equipped with these parts

PLEASE NOTE
 The correct centring pin for use with standard American matrices is covered by the symbol, U.K. Part 35A. The $\frac{1}{2}$ " diameter d5A pin is now obsolete and centring pin n5A has a cone point suitable only for standard British matrices

6A Centring Pin Stand
 Stud (2), in Stand
 Bush
 Bush
 Bush Adjusting Sleeve
 Nut, lower
 Locking Lever
 Locking Lever Guard
 Locking Lever Guard Spring (2)
 Locking Lever Guard Spring Cap Screw (2), $\frac{1}{2}$ " x $\frac{1}{4}$ ", in Stud
 Stud Nut (2)
 Stud (2)
 Stud Taper Pin (2), $\frac{1}{8}$ " x $\frac{1}{4}$ "
 Centring Pin Stand group; consists of d6AA, d6A5, a6A6, a6A22, 6A34 and 35, 6A36(2), 6A37(2), 6A38(2), 6A39(2)

Xg6A Centring Pin Stand group; consists of d6AA, d6A5, a6A6, a6A22, 6A34 and 35, 6A36(2), 6A37(2), 6A38(2), 6A39(2)

*d6AA consists of d6A, a6A3(2), d6A4(2)
 †Can be fitted only at Workshops

‡Composition Casters numbered 22001 to 22827 inclusive and Type and Rule Casters numbered 1240 to 1300 inclusive were equipped with these parts

§Composition Casters numbered 22001 to those supplied prior to December 1950 and Type and Rule Casters numbered 1240 to those supplied prior to December 1950 were equipped with these parts

33A Centring Pin Stand Adjusting Micrometer Screw (2)
 Differential Screw, right
 Differential Screw Bell Crank
 Differential Screw Bell Crank Plunger
 Differential Screw Bell Crank Stud
 Differential Screw, left
 Differential Screw Key Screw (2)
 Plunger (2)
 Plunger Spring

Xa33A Centring Pin Stand Adjusting Micrometer Screw group; consists of 33A(1)(2), 33A2, a33A3, 33A4, a33A5, 33A6, 33A7(2), 33A8(2), 33A9

34A Matrix Holder, Indian Matrices
 Bush
 Matrix Retaining Screw, long (3)
 Matrix Retaining Screw, medium (2)
 Matrix Retaining Screw, short (2)
 Wrench
 Matrix Holder, Indian Matrices, group; consists of 34A1A, 34A3(3), 34A4(2), 34A5(2), 34A6

*34A1A consists of 34A1 and 2
 †Can be fitted only at Workshops

35A Centring Pin Aligning Lever
 Plunger, left
 Plunger, right

16E Centring Pin Lever, type heights .918" to .942" (see Plate 14)
 Centring Pin Lever (specify type height), type heights .943" to 1.017"
 Centring Pin Lever, type heights .918" to .942", Type and Rule Caster
 Centring Pin Lever, (specify type height), type heights .943" to 1.017", Type and Rule Caster
 Screw (3), $\frac{1}{2}$ " x $\frac{1}{16}$ " (see Plate 14)
 Plate, for Wedge Lever Arm Rods (see Plate 13)
 Plate, for Wedge Lever Arm Rods, Railway Timetable Equipment Attachment (see Plate 51)
 Plate Screw (2), $\frac{1}{8}$ " x $\frac{1}{8}$ " (see Plate 13)
 Stop Pin, for Bridge Lever Connecting Link (see Plate 14)
 Stud, for Bridge Lever Connecting Link (see Plate 14)
 Stud Split Pin, $\frac{1}{8}$ " x $\frac{1}{4}$ " (see Plate 14)
 Plate (see Plate 14)
 Flat Rivet (2)
 Pin (refer after d16E16E)
 (refer above b16E17)
 Actuating Lever, Low Quad
 Actuating Lever, Duplex Mould, Two-Colour and Dual Type Mould Attachments
 Actuating Lever, Triplex Mould Attachment (see Plate 57)

a16E14 Fulcrum Pin
 a16E15 Fulcrum Pin Locking Screw
 b16E16 Spring
 16E18 Adjusting Screw
 16E19 Adjusting Screw Nut
 16E25 Pin (2), Stop for Cam Lever
 a16E20E† Selecting Lever, Low Quad
 a16E20 Selecting Lever, Duplex Mould and Dual Type Mould Attachments (see Plate 53)
 d16E20 Selecting Lever, Two-Colour Attachment
 a16E20 Selecting Lever, Triplex Mould Attachment (see Plate 57)
 16E21§§ Bush
 16E22 Spring
 c16E22 Spring, Triplex Mould Attachment (see Plate 57)

a16E23 Fulcrum Bolt
 b16E23 Fulcrum Bolt, Duplex Mould, Two-Colour and Dual Type Mould Attachments (see Plate 53)
 c16E23 Fulcrum Screw, Triplex Mould Attachment (see Plate 57)
 16E24 Fulcrum Bolt Nut (refer after 16E18)
 16E25 Fulcrum Bolt, Duplex Mould, Two-Colour and Dual Type Mould Attachments (see Plate 53)
 16E36 Locating Ball Spring, Duplex Mould and Dual Type Mould Attachments (see Plate 53)
 a16E36 Locating Ball Spring, Two-Colour Attachment
 a16E26 Selecting Lever Cam Lever, Low Quad
 a16E26 assd.‡‡ Selecting Lever Cam Lever, assembled
 16E27 Fulcrum Bolt
 16E28 Fulcrum Bolt Nut
 a16E29 Operating Arm
 16E30 Eccentric
 16E31 Locking Screw
 16E32 Locking Screw Washer (refer above a16E26)
 16E33 (refer above a16E26)
 16E36 (refer above a16E26)
 16E37 (refer after 16E3)
 Xb16E16 Actuating Lever, Low Quad, group; consists of a16E14 and 15, b16E16E, b16E17, 16E18 and 19
 Xa16E20 Selecting Lever, Low Quad, group; consists of a16E20E, a16E22 and 23, 16E24
 Xa16E26 Selecting Lever Cam Lever, Low Quad, group; consists of a16E26 assd., 16E27 and 28
 Xg16E Centring Pin Lever, type heights .918" to .942" inclusive, group; consists of g16EE, 16E1(3), 16E2, 16E2(2), 16E5
 Xh16E Centring Pin Lever (specify type height), type heights .943" to 1.017", group; consists of h16EE, 16E1(3), 16E2, 16E2(2), 16E5
 Xj16E Centring Pin Lever, type heights .918" to .942", Type and Rule Caster, group; consists of j16EE, 16E1(3), 16E5
 Xk16E Centring Pin Lever (specify type height), type heights .943" to 1.017", Type and Rule Caster, group; consists of k16EE, 16E1(3), 16E5
 *g16EE consists of g16E, 16E4, c16E6, a16E7(2), b16E8, 16E37
 †b16EE consists of h16E, 16E4, c16E6, a16E7(2), b16E8, 16E37
 ‡b16EE consists of k16E, 16E4, 16E37
 §b16E16E consists of b16E16, 16E25(2)
 ††c16E16E consists of c16E16, 16E25(2)
 †††c16E16E consists of d16E16, 16E25(2)
 ††††a16E20E consists of a16E20, 16E21
 †††††a16E26 assd. consists of a16E26, a16E29, 16E30, 31 and 32
 §§Can be fitted only at Workshops

74CU Centring Pin (increased diameter) Attachment
 Object—To enable larger diameter Centring Pin to be used on Composition Casters and Type and Rule Casters
 For Composition Casters numbered 22001 to 22827 and Type and Rule Casters numbered 1240 to 1300
 Centring Pin (increased diameter) Attachment; consists of n5A, b5A1, a5A2, g5A4, d5A5, b5A12, d6A5

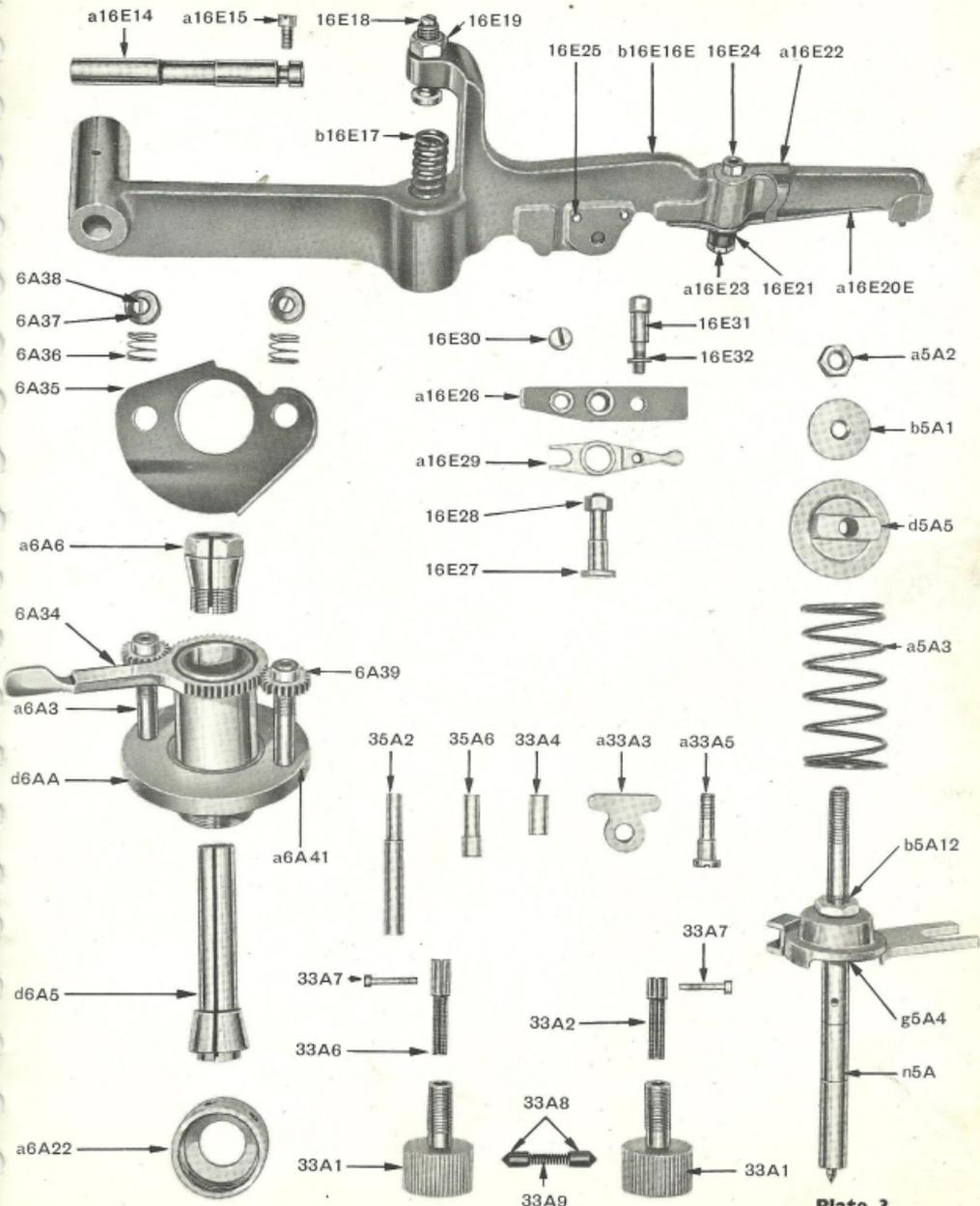


Plate 3

Matrix Case

a8A1†	Cover Plate, for 4" Large Composition Matrix (8 × 8 rows)
e8A1†	Cover Plate, for 2" Cellular Matrices (15 × 17 rows)
a8A1†	Cover Plate, for 4" Large Composition Matrix (8 × 8 rows)
a8A1†	Cover Plate, Unit Adding Attachment
a8A1†	Cover Plate, Unit Adding Attachment
a8A1†	Cover Plate, for 2" Cellular Matrices (15 × 17 rows)
k8A1†	Cover Plate, for 2" Cellular "A" Matrices (16 × 17 rows)
a8A2	Cover Plate Rivet, large (3 or 4)
a8A2	Cover Plate Screw, 1/2" × 11/2", countersunk (4)
c8A3	Wire (15 or 16)
a8A3†	Wire (15)
a8A3	Wire (15)
a8A3	Wire (8)
a8A3	Comb (13)
a8A4	Wire Retaining Spring Plate
a8A4	Bar
a8A5†	Shoe, front
a8A5†	Shoe, front
a8A6†	Shoe Rivet (16)
b8A8	Spacing Bar (14 or 16)
a8A8	Spacing Bar (16)
a8A8	Spacing Comb, left and right (2)
a8A9	Spacing Comb, front and rear (2)
a8A9	Spacing Comb, front and rear (2)
a8A9	Spacing Comb, front and rear (2)
a8A12	Packing, bodywise, .005" thick (15 × 17 rows)
a8A12	Packing, bodywise, .010" thick (15 × 17 rows)
a8A14	Packing, .005" thick, setwise
a8A14	Packing, .010" thick, setwise
a8A16	Cover Plate, (16 × 17 rows)
a8A17	Cover Plate Rivet, small
a8A19	Wire Retaining Spring Plate
a8A0	Spacing Bar, end (2)
a8A1	Spacing Bar, end (2)
a8A8†	Shoe, rear
a8A8†	Shoe, rear
Xa8A	Matrix Case, 4" Large Composition (8 × 9 rows) group; consists of av8A, 8A1, e8A2(1), 8A3(15), b8A4, b8A37
Xc8A	Matrix Case, 4" Large Composition (8 × 8 rows), Unit Adding Attachment, group; consists of w8A, 8A1, e8A2(4), 8A3A(8), b8A4
Xd8A	Matrix Case, 4" Large Composition (8 × 9 rows), Unit Adding Attachment, group; consists of av8A, g8A1, e8A2(3), 8A3(15), b8A4, b8A37
Xe8A	Matrix Case 2" Cellular Matrices (16 × 17 rows) group; consists of e8A, e8A2(3), e8A3(16), e8A8(16), 8A36, b8A37, 8A39, 8A6(2)
Xf8A	Matrix Case 2" Cellular Matrices (15 × 17 rows) Overhung Type Attachment, group; consists of g8A, e8A1, e8A2(3), e8A3(15), 8A4, b8A8(16), b8A37, 8A6(2)
Xg8A	Matrix Case, for flanged 2" Cellular Matrices (16 × 17 rows), Duplex Mould Attachment, group; hv8A, e8A2(3), e8A3(16), e8A8(16), 8A36, b8A37, 8A39, 8A6(12)
Xh8A	Matrix Case 2" Cellular "A" Matrices (16 × 17 rows) group; consists of kv8A, 8A1, 8A2(14), 8A3(14), e8A4, e8A5, 8A8(12), 8A8A(2), c8A9(2), a8A88
Xi8A	Matrix Case 2" Cellular "A" Matrices (16 × 17 rows) group; consists of kv8A, 8A1, 8A2(14), 8A3(14), e8A4, e8A5, 8A8(16), 8A8A(2), b8A9(2), 2, 8A88
Xj8A	Matrix Case 2" Cellular "A" Matrices (15 × 17 rows) group; consists of kv8A, 8A1, 8A2(14), 8A3(14), e8A4, e8A5, 8A8(12), e8A8A(2), c8A9(2), a8A88
Xk8A	Matrix Case 2" Cellular Matrices (15 × 17 rows) group; consists of kv8A, e8A1, e8A2(3), e8A3(15), 8A4, b8A8(16), b8A37, 8A6(2)
Xl8A	Matrix Case 4" Large Composition (8 × 8 rows) group; consists of w8A, 8A1, e8A2(4), 8A3A(8), b8A4

*Matrix Cases supplied on and after June 1945 and prior to July 1956 were equipped with these parts

†Can be fitted only at Workshops

TYPE AND RULE CASTER

a40A	Matrix Holder, single 2" × 2" Matrices (Not supplied separately, order X40A)
a40A1	Positioning Spring
b40A2	Positioning Spring Screw (2), 1/2" × 1/8"
a40A3†	Matrix Bush
a40A4	Matrix Bush Screw, 3/8" × 1/2"
a40A5	Matrix Holding Slide
a40A6*	Matrix Holding Slide Operating Lever
a40A7	Matrix Holding Slide Operating Lever Fulcrum
a40A8	Matrix Holding Slide Operating Lever Spring Post, in Lever
a40A9	Matrix Holding Slide Operating Lever Spring
a40A10	Matrix Holding Slide Operating Lever Spring Post, in Holder
a40A11	Cover Plate
a40A12	Cover Plate Screw (5), 1/8" × 3/8"
a40A14	Positioning Spring Adjusting Screw
a40A15	Positioning Spring Adjusting Screw Lock Screw, 1/2"
X40A	Matrix Holder, single 2" × 2" Matrices, group; consists of a40A, a40A1, b40A2(2), a40A3, 4 and 5, a40A6A, a40A7, a40A9, 10 and 11, a40A12(5), a40A14 and 15

*a40A6A consists of a40A6, a40A8

†Can be fitted only at Workshops

TYPE AND RULE CASTER DISPLAY ATTACHMENT

a48A*	Matrix Holder, 1" × 1" Display Matrices
b48A4†	Matrix Holder, 1" × 1" Display Matrices 36" Tap
No. 8300	Blank Matrix
48A1	Positioning Spring
48A2	Positioning Spring Bolt
48A3	Positioning Spring Bolt Nut
48A4	Positioning Spring Bolt Washer
48A5	Slide
48A6	Slide Operating Lever
48A7	Slide Operating Lever Fulcrum Screw
48A8	Slide Operating Lever Fulcrum Screw
48A9	Slide Cover Plate Rivet (6)
48A10	Cone Hole Bush and Matrix Guide
48A10	Cone Hole Bush and Matrix Guide
48A11†	Handle
48A11†	Slide Retaining Plunger Spring
48A11†	Slide Retaining Plunger Spring Stop
48A12	Slide Retaining Plunger
48A17	Handle Fixing Pin
48A18	Handle Stem (Not supplied separately, order 8A11A)
48A19	Handle Stem Pin
48A19†	Handle Stem Tap Pin, 1/2" × 1/2"
48A21	Cone Hole Bush and Matrix Guide Rivet (2)
48A22	Slide Retaining Plunger Spring Stop Screw, 1/2" × 1/2"
X48A	Matrix Holder, 1" × 1" Display Matrices, group; consists of a48A, 8300
X48A	Matrix Holder, 1" × 1" Display Matrices, group; consists of a48A, 8300
*a48A	consists of a48A, 48A1 u+inclusive, 48A5, 48A6, 48A7 and 4, 48A9(6), 48A10, 48A11A, 48A13, 14 and 15, 48A17, 48A21(2), 48A22
†b48A	consists of b48A, 48A10+inclusive, 48A5, 48A6, 48A7 and 8, 48A9(6), 48A10, 48A11A, 48A13, 14 and 15, 48A17, 48A21(2), 48A22
48A11A	consists of 48A11, 48A18, 48A19
†Type and Rule Casters and Display Attachments supplied on and after June 1945 and prior to 30th January 1956 were equipped with this part	
†Type and Rule Casters and Display Attachments supplied on and after June 1945 and prior to 4th March 1956 were equipped with this part	

Matrix Assembling Fixture

56A1A*	Assembling Bar
56A1A†	Assembling Bar
56A2	Assembling Bar Locating Pin (15)
56A3	End Bar, marked (Not supplied separately, order 56A11A, a56A11A or c56A11A)
56A4	End Bar, plain (Not supplied separately, order 56A11A, a56A11A or c56A11A)
56A5A†	Frame
56A5A†	Frame
b56A5A†	Frame
c56A5A†	Frame
56A6	Frame, Half (2)
56A7	Frame, assembled
56A7	Frame Side Bar (2) (Not supplied separately, order 56A5A)
56A6	Frame Side Bar (2) (Not supplied separately, order 56A5A)
56A13	Frame Side Bar, plain (Not supplied separately, order 56A5A)
56A13	Frame Side Bar, plain (Not supplied separately, order 56A5A)
56A7	Frame Side Bar Rivet (8 or 4)
56A8†	Leg (4)
56A8†	Leg (6)
56A9	End Bar, marked, Screw (2), 1/2" × 1/2", countersunk
56A10	End Bar, plain, Screw (2), 1/2" × 1/2", countersunk
56A11A††	Tray
56A11A††	Tray
56A11A††	Tray
56A12	Wire Remover
56A13	Refer after a56A6
56A13	Refer after a56A6
56A14	Frame Side Bar, plain, Matrix Support (Not supplied separately, order 56A5A)
56A14	Frame Side Bar, plain, Matrix Support (Not supplied separately, order 56A5A)
56A15	Frame Side Bar, plain, Matrix Support Rivet (3)
56A16	Frame Side Bar, plain, Screw (2), 1/2" × 1/2"
56A17A†	Fork
56A18	Fork Wire (15)
56A19	Frame Clamp, plain
56A20	Frame Clamp, slotted
56A21	Frame Clamp Hinge Pin (3)
56A22	Frame Clamp Screw, knurled (2)
X36A	Matrix Assembling Fixture (15 × 15 rows) group; consists of 56A1A, 56A5A, 56A11A, 56A12
Xa56A	Matrix Assembling Fixture (15 × 17 rows) group; consists of 56A1A, a56A5A, a56A11A, 56A12
Xb56A	Matrix Assembling Fixture (15 × 15 rows) Overhung Type Attachment, group; consists of a56A1A, b56A5A, 56A11A, 56A12
Xc56A	Matrix Assembling Fixture (15 × 17 rows) Overhung Type Attachment, group; consists of a56A1A, c56A5A, a56A11A, 56A12
Xj56A	Matrix Assembling Fixture, flanged matrices (15 × 17 rows) group; consists of 56A1A, c56A5A assd., c56A11A, 56A17A *56A1A consists of 56A1, 56A2(15) †56A5A consists of 56A5, 56A6(2), 56A7(8) †56A9A consists of a56A2, 56A6(2), 56A7(8) †b56A3A consists of b56A5, 56A6, 56A7(4), 56A13 and 14, 56A15(3), 56A16(2) †c56A5A consists of c56A5, a56A6, 56A7(4), a56A13 and 14, 56A15(3), 56A16(2) *56A5 assd. consists of 56A5(2), 56A19 and 20, 56A21(3), 56A22(2) ††56A11A consists of a56A1, 56A4, 56A8(4), 56A9(2), 56A10(2), 56A11 †††56A11A consists of a56A3, 56A4, 56A8(4), 56A9(2), 56A10(2), 56A11 †††56A11A consists of a56A3, 56A4, 56A8(4), 56A9(2), 56A10(2), 56A11
†56A17A	consists of 56A17, 56A18(15)
†56A	Can be fitted only at Workshops

1B
 a1B Air Pin (14)
 1B1 Spring (14)
 1B2 Seating Ring (14)
Xa1B Air Pin group; consists of a1B(14), 1B1(14), 1B2(14), Xb2B

2B
 b2B Air Pin, fixed
 a2B1 Spring
Xb2B Air Pin, fixed, group; consists of b2B, a2B1

3B
 h3BB* † Air Pin Block, front
c3BB† Air Pin Block, front, Type and Rule Caster (see Plate 29)
 3B1 Taper Pin, $\frac{3}{8}'' \times 2\frac{1}{2}''$, left
3B1r Taper Pin, *oversize*, left repair
 3B2 Taper Pin, $\frac{3}{8}'' \times 1\frac{1}{2}''$, right
 3B3 Taper Pin, *oversize*, 1st repair
 3B3 Screw (2), $\frac{3}{8}'' \times 1\frac{1}{2}''$
 3B4 Screw, $\frac{3}{8}'' \times \frac{11}{16}''$
 3B5 Screw, $\frac{3}{8}'' \times \frac{11}{16}''$
 3B6 Screw, $\frac{3}{8}'' \times 1''$
 3B7 Plug Screw (2), $\frac{1}{8}'' \times 190'' \times \frac{3}{8}''$, grub, Air Blag
 3B13 Bush, for Air Pin Holes, repair
 3B14 Screw (2), $\frac{1}{8}'' \times 2\frac{1}{2}''$, grub
 3B15 Bush, for Piston Operating Sliding Frame Draw Rod "Unit Shift"

Xh3B Air Pin Block group; consists of h3BB, 3B1 and 2, 3B3(2), 3B4 to 7 inclusive
Xc3B Air Pin Block, Type and Rule Caster, group; consists of c3BB, 3B1 and 2, 3B3(2), 3B4 to 7 inclusive
 *h3BB consists of h3B, a3B10(2), 3B14(2), 3B15
 †c3BB consists of c3B, a3B10(2), 3B14(2)
 †Can be fitted only at Workshops

4B
 d4B* Air Pin Plate, front
 4B1 Taper Pin (2), $\frac{3}{8}'' \times 1\frac{1}{2}''$
a4B1 Taper Pin (2), $\frac{3}{8}'' \times 1\frac{1}{2}''$, "Unit Shift"
 4B2 Screw (4), $\frac{1}{8}'' \times \frac{3}{8}''$, to Block
*Xd4B** Air Pin Plate, front, group; consists of d4B, 4B1(2), 4B2(4)
 *Can be fitted only at Workshops

9B
 b9B† Matrix Jaw Shoe Packing Block, left, large, Type and Rule Caster (see Plate 29)
a9B† Matrix Jaw Shoe Packing Block, left, large Matrix Jaw Shoe Packing Block, left, large
 9B1 Taper Pin, $\frac{3}{8}'' \times 1\frac{1}{2}''$
a9B1 Taper Pin (2), $\frac{3}{8}'' \times 1\frac{1}{2}''$, "Unit Shift"
 9B2 Screw, top, $\frac{1}{8}'' \times 1''$
 9B3 Screw, top, $\frac{1}{8}'' \times 1''$
 9B4* Shoe
 9B4 Separator Plate, for Matrix and Pin Jaws
 9B5 Clamp, lower (see Plate 6)
 9B6 Clamp, upper (see Plate 6)
 9B7 Clamp Screw, $\frac{3}{8}'' \times 1\frac{1}{2}''$ (see Plate 6)
 9B8 Screw, rear, $1'' \times 1''$
 9B9 Screw, front, $1'' \times 1''$
 9B11 Retaining Plate for Sliding Frame Draw Rod
 9B12 Retaining Plate Spring
 9B13 Retaining Plate Support Block
 9B14 Retaining Plate Spring Block Spring Post

Xa9B †* Matrix Jaw Shoe Packing Block, left, large, group; consists of 9B, 9B2, a9B3 to 9 inclusive
X9B Matrix Jaw Shoe Packing Block, left, large, group; consists of 9B, 9B2, 9B3 and 4, a9B5 to 9 inclusive, 9B11 to 14 inclusive
 *Composition Casters numbered 22001 to 26952 inclusive were equipped with these parts
 †Can be fitted only at Workshops

10B
 b10B* Matrix Jaw Shoe Packing Block, left, small
 c10B *Composition Casters numbered 22001 to 26952 inclusive were equipped with this part

11B
 Matrix Jaw Shoe Packing Block, right
 Bolt, $\frac{3}{8}'' \times \frac{1}{2}''$, hexagon
 11B Cover
 11B1 Bolt, $\frac{3}{8}'' \times \frac{1}{2}''$, hexagon
 11B2 Cover Screw, $\frac{3}{8}'' \times \frac{1}{2}''$
 11B3 Matrix Jaw Shoe Packing Block, right, group; consists of 11B, 11B1, 2 and 3

23B
 b23BB* Type Carrier Shoe, long
c23BB† Type Carrier Shoe, long, for display type casting (see Plate 35)
c23BB ass'd. † Type Carrier Shoe, long, assembled, for display type casting
 23B1 Screw, right and centre (2), $1'' \times \frac{1}{2}''$
 23B2 Screw, left, $1'' \times \frac{1}{2}''$
 23B3 Cam, front
b23B3 Cam, front, for display type casting (see Plate 35)
 23B4 Cam, rear
 23B5 Cam, rear, movable, for display type casting (see Plate 35)
 a23B5 Cam Rivet, lower (1 or 3)
 a23B6 Cam Rivet, right
 a23B7 Cam Rivet, centre, left (2)
 23B1(2) Cam Fulcrum Pin, (for display type casting (see Plate 35))
 a23B1(3) Cam Fulcrum Pin Knob, for display type casting (see Plate 35)
 23B14 Cam Fulcrum Pin Knob Pin, for display type casting (see Plate 35)
 23B15 Cam Locating Pin, in Cam, rear, for display type casting
 a23B16 Cam Spring, for display type casting
 Type Carrier Shoe, long, group; consists of b23BB, 23B1(2), 23B2
Xc23B Type Carrier Shoe, long, for display type casting, group; consists of c23BB ass'd., 23B1(2), 23B2
 *b23BB consists of b23B, a23B1 to 6 inclusive, a23B7(2)
 †c23BB consists of c23B, b23B, a23B5(3)
 c23BB ass'd. consists of c23BB, b23B4B, a23B16
 b23B4B consists of b23B4, 23B12, a23B13, 23B14, a23B15
 †[Can be fitted only at Workshops]

24B
 b24B Type Carrier Shoe, short
 24B1 Plate, Trip for Type Clamp, Display Attachment (see Plate 35)
 †24B2

c24B Plate, Trip for Type Clamp
 d24B2 Plate, Trip for Type Clamp, Short Lead and Rule Attachment (see Plate 35)
 24B4 Screw, $1'' \times \frac{1}{2}''$
Xc24B Type Carrier Shoe, short, group; consists of b24B, 24B1, c24B2, 24B4

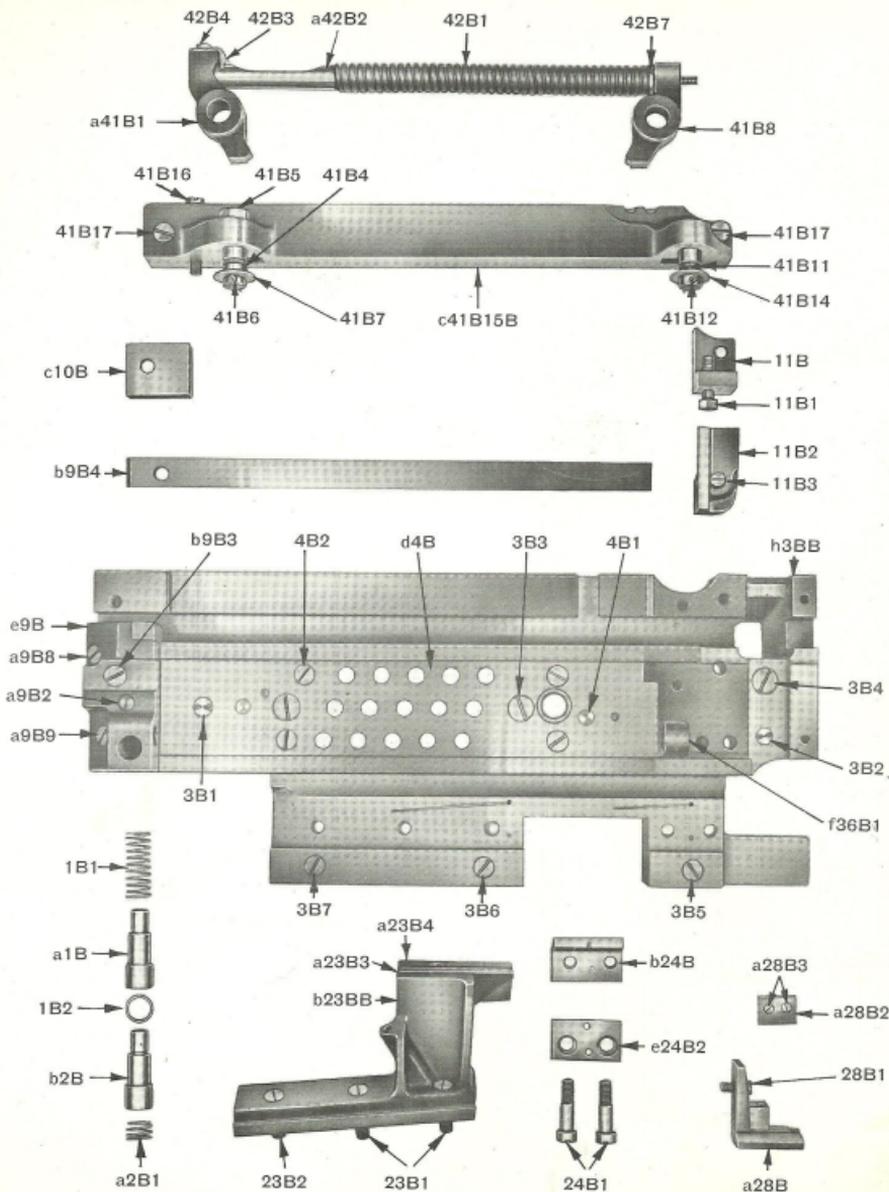
28B
 Type Pusher Guide
 28B1 Screw, $\frac{3}{8}'' \times \frac{3}{8}''$
 28B2 Cover Screw (2), $\frac{1}{8}'' \times \frac{3}{8}''$, countersunk
 28B3 Type Pusher Guide group; consists of a28B, 28B1, a28B2, a28B3(2)
 Xa28B

36B
 †36B1 Pin Jaw Guide Rod Stand, right
 36B2 Nut
Xb36B Pin Jaw Guide Rod Stand, right, group; consists of †36B1, 36B2

41B
 Buffer, Matrix Jaw, left
 41B2 Stop, in Support
 41B3 Stop Rivet (2)
 41B4 Stud
 41B5 Stud Nut
 41B6 Stud Split Pin, $\frac{1}{8}'' \times \frac{1}{2}''$
 41B7 Stud Washer
 41B8 Buffer, Matrix Jaw, right
 41B9 Stop, in Support
 41B10 Stop Rivet (2)
 41B11 Stud
 41B12 Stud Split Pin, $\frac{1}{8}'' \times \frac{1}{2}''$
 41B13 Stud Taper Pin, $\frac{3}{8}'' \times \frac{1}{2}''$
 41B14 Stud Washer
 d41B15B* † Buffer Support and Matrix Jaw Shoe
 c41B15B† Buffer Support and Matrix Jaw Shoe
 41B16 Screw, rear, $\frac{3}{8}'' \times 1\frac{1}{2}''$
 41B17 Screw, top (2), $1'' \times 1\frac{1}{2}''$
*Xb41B** Buffer, Matrix Jaws, left and right, group; consists of 41B, 41B6 and 7, a41B8, 41B12, 41B14, b41B15B, 41B16, 41B17(2)
Xd41B Buffer, Matrix Jaws, left and right, group; consists of a41B, 41B6 and 7, 41B8, 41B12, 41B14, c41B15B, 41B16, 41B17(2)
 *b41B15B consists of 41B2, 41B3(2), 41B4 and 5, 41B9, 41B10(2), 41B11, 41B13, b41B15
 †c41B15B consists of 41B2, 41B3(2), 41B4 and 5, 41B9, 41B10(2), 41B11, 41B13, c41B15
 †Composition Casters numbered 26120 to 26952 inclusive were equipped with these parts
 †Can be fitted only at Workshops

42B
 Buffer Spring, front
 42B1 Rod
 42B2 Rod
 a42B2 Rod
 42B3 Rod Clip
 42B4 Rod Clip Screw, $\frac{5}{8}'' \times \frac{1}{2}''$
 42B5 Rod Nut (for assembly purposes only)
 42B6 Rod Washer (for assembly purposes only)
 42B7 Rod Washer
 42B8 Buffer Spring, front, group; consists of 42B1 to 7 inclusive
Xa42B Buffer Spring, front, group; consists of 42B1, a42B2, 42B3 to 7 inclusive

*Composition Casters numbered 22001 to 26952 inclusive were equipped with these parts



5B

d5B* † Matrix Jaw, left, for Matrix Jaw Tongs
 e5B* † Matrix Jaw, left, for Matrix Jaw Tongs
 X5B* † Matrix Jaw, left, group; consists of d5B, Xd7B
 Xg5B* † Matrix Jaw, left, group; consists of e5B, Xd5B

*Composition Casters numbered 26120 to 26952 inclusive were equipped with these parts
 †Can be fitted only at Workshops

6B

b6B* † Matrix Jaw, right, for Matrix Jaw Tongs, front
 c6B † Matrix Jaw, right, for Matrix Jaw Tongs, front

*Composition Casters numbered 22001 to 26952 inclusive were equipped with these parts
 †Can be fitted only at Workshops

7B

c7BB* † Matrix Jaw Latch
 b7B1 † Pin
 b7B2 † Spring
 b7B3 † Stud Nut
 a7B4 † Stud
 a7B5 † Stud Nut Lock Nut
 b7B6 † Stud Washer
 Xd7B † Matrix Jaw Latch group; consists of c7BB, b7B2, b7B3, a7B4 and 5, b7B6
 *c7BB consists of c7B, b7B1

9B

a9B5 † Matrix Jaw Shop Packing Block, left, large
 a9B6 † Clamp, lower
 a9B7 † Clamp, upper
 Clamp Screw, $\frac{1}{8}'' \times 1\frac{1}{2}''$

12B

g12B † Matrix Jaw Stop Rack, front, wide

13B

g13B † Matrix Jaw Stop Rack Locking Bar, front
 a13B4 † Connecting Bar
 b13B5 † Spring
 Xg13B † Matrix Jaw Stop Rack Locking Bar, front, group; consists of g13B, a13B4, b13B5

16B

a16BB* † Pin Jaw, left
 16B1 † Stud
 16B2 † Stud Nut
 16B3 † Stud Washer
 a16B5 † Abutment Collar
 a16B5 † Abutment Collar, "Unit Shift"
 Xb16B † Pin Jaw, left, group; consists of a16BB, 16B2 and 3, 16B5
 Xc16B † Pin Jaw, left, "Unit Shift", group; consists of a16BB, 16B2 and 3, a16B5
 *a16BB consists of a16B, 16B1

17B

a17BB* † Pin Jaw, right
 17B1 † Stud
 17B2 † Stud Nut
 17B3 † Stud Washer
 17B4 † Abutment Collar
 Xa17B † Pin Jaw, right, group; consists of a17BB, 17B2, 3 and 4
 *a17BB consists of a17B, 17B1

18B

c18B † Pin Jaw Guide Rod (Not supplied separately, order Xc18B)
 b18B1 † Screw
 Xc18B † Pin Jaw Guide Rod group; consists of c18B, b18B1

19B

19B † Pin Jaw Guide Rod Stop

20B

d20BB* † Type Carrier (specify type height)
 b20B1 † Lever Stand
 a20B2 † Lever Stand Rivet (2)
 d20B3 † Lever, to Type Support Spring
 b20B4 † Lever Pin
 a20B5 † Shield
 a20B6 † Shield Screw (2), $\frac{3}{8}'' \times \frac{3}{4}''$
 a20B9 † Lever Pin Split Pin, $\frac{1}{8}'' \times \frac{1}{4}''$
 a20B10 † Bush
 a20B11 † Lever, for Type Clamp
 b20B11 † Lever, for Type Clamp, Short Lead and Rule Attachment (see Plate 35)
 Xd20B† † Lever Pin
 Type Carrier (specify type height) group; consists of d20BB, b20B1, a20B2(2), d20B3, b20B4, a20B5, 20B6(2), a20B9, a20B11 and 12, 21B1B, Xd26B, Xc27B, Xc31B
 *d20BB consists of d20B, a20B10
 †Can be fitted only at Workshops

21B

21B † Type Carrier Connecting Rod
 21B1B* † Yoke, Carrier End
 21B2 † Yoke Lock Nut
 21B3† † Yoke Pin
 21B4 † Yoke Taper Pin, $\frac{3}{8}'' \times \frac{3}{4}''$
 a21B5 † Yoke Eye, Cam Lever End
 21B6 † Yoke Lock Nut
 21B7 † Yoke Pin
 21B8 † Yoke Pin Split Pin, $\frac{3}{8}'' \times \frac{3}{4}''$
 21B9 † Spring
 21B10 † Spring Abutment
 21B11 † Sleeve
 Xa21B † Type Carrier Connecting Rod group; consists of 21B, 21B1B, 21B2, a21B5, 21B6 to 11 inclusive
 *21B1B consists of 21B1, 21B3 and 4
 †Can be fitted only at Workshops

22B

a22B † Type Carrier Extension
 22B1 † Lock Nut
 a22B2 † Screw
 22B4 † Spring
 Xa22B † Type Carrier Extension group; consists of a22B, 22B1, a22B2, 22B4

25B

a25B † Type Carrier Spring Abutment Stand
 25B1 † Screw, front (2), $\frac{1}{2}'' \times 1''$
 25B2 † Screw, top, $1'' \times \frac{1}{2}''$
 Xa25B † Type Carrier Spring Abutment Stand group; consists of a25B, 25B1(2), 25B2

26B

d26B † Type Clamp
 b26B1 † Extension
 a26B2 † Spring
 Xd26B † Type Clamp group; consists of d26B, b26B1, a26B2

27B

c27B † Type Clamp Shoe
 a27B1 † Screw (3), $\frac{3}{8}'' \times \frac{3}{4}''$, countersunk
 Xc27B † Type Clamp Shoe group; consists of c27B, a27B1(3)

29B

e29B † Type Pusher
 d29BB* † Type Pusher, Raised Galley Attachment
 b29B1† † Blade, Raised Galley Attachment
 29B2 † Blade Rivet, Head end (2), Raised Galley Attachment
 29B3 † Blade Rivet, Eye end, long, Raised Galley Attachment
 29B4 † Blade Rivet, Eye end, short, Raised Galley Attachment
 a29B5 † Eye, Raised Galley Attachment
 a29B6 † Eye Pin
 29B7 † Eye Pin Split Pin, $\frac{3}{8}'' \times \frac{1}{4}''$
 Xc29B † Type Pusher group; consists of e29B, a29B6, 29B7
 *d29BB consists of d29B, b29B1, 29B2(2), 29B3 and 4, a29B5
 †Can be fitted only at Workshops

31B

b31B † Type Support Spring
 f31B1B* † Bar
 a31B2 † Bar Rivet (2)
 c31B4 † Bar Yoke
 a31B6 † Bar Spring
 a31B7 † Bar Extension
 Xc31B † Type Support Spring group; consists of f31B1B, c31B4, a31B6 and 7
 *f31B1B consists of b31B, f31B1, a31B2(2)

44B

44B1 † Piston, Operating Sliding Frame Draw Rod
 44B2 † Seating Ring

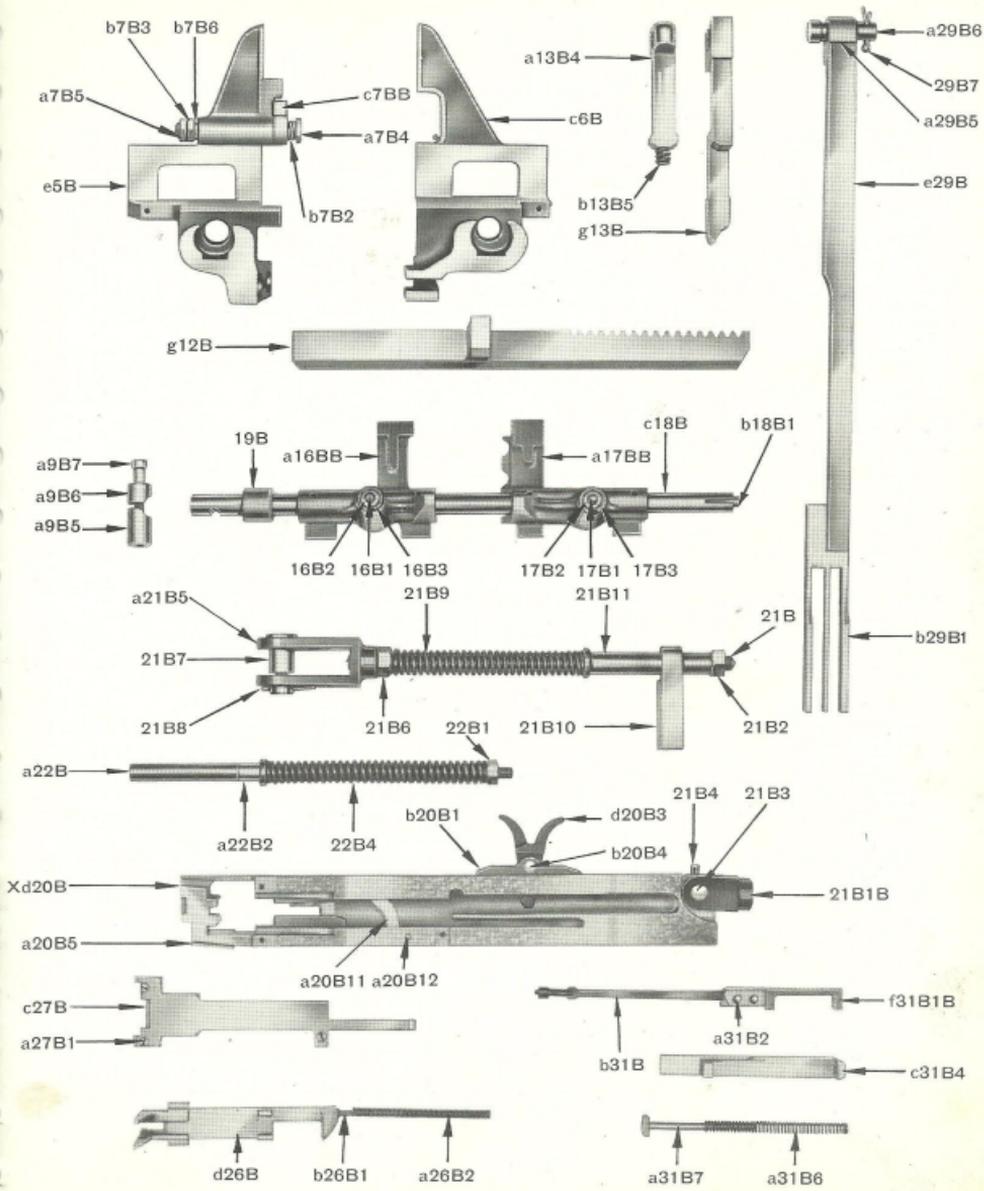


Plate 6

1C
 a1C Air Pin (16)
 1C1 Spring (16)
 1C3 Seating Ring (16)
 Xb1C Air Pin group; consists of a1C(16), 1C1(16), 1C3(16), Xb2C

2C
 c2C Air Pin, fixed
 a2C1 Spring
 Xb2C Air Pin, fixed, group; consists of c2C, a2C1

3C
 d3C Air Pin Block, rear, Type and Rule Caster (see Plate 29)
 j3C* Air Pin Block, rear
 3C1 Taper Pin, $\frac{1}{2}'' \times 2\frac{1}{2}''$
 3C1F Taper Pin, oversize, 1st repair
 3C2 Taper Pin, $\frac{1}{2}'' \times 2''$
 3C2F Taper Pin, oversize, 1st repair
 3C3 Taper Pin, $\frac{3}{8}'' \times 1\frac{1}{2}''$
 3C3F Taper Pin, oversize, 1st repair
 3C4 Screw (1 or 2), $\frac{3}{8}'' \times 1\frac{1}{2}''$
 3C5 Screw (2), $\frac{1}{4}'' \times 2\frac{1}{2}''$
 3C6 Screw, left, $\frac{1}{4}'' \times 2\frac{1}{2}''$
 c3C7 Spring Post
 3C13 Screw, $\frac{1}{4}'' \times 1\frac{1}{2}''$
 3C18 Plunger, Stop for Justification Wedges
 3C19 Plunger Retaining Screw
 3C20 Plunger Spring
 3C24 Screw, right, $\frac{1}{4}'' \times \frac{3}{4}''$
 Xd3C Air Pin Block, rear, Type and Rule Caster, group; consists of d3C, 3C1, 2 and 3, 3C4(2), 3C5(2), 3C6, c3C7
 Xj3C* Air Pin Block, rear, group; consists of j3C, 3C1 to 4 inclusive, 3C5(2), 3C6, c3C7, 3C13, 3C18, 19 and 20, 3C24
 *Can be fitted only at Workshops

4C
 g4C* Air Pin Plate, rear, and Matrix Jaw Stop, front
 4C1 Taper Pin (2), $\frac{3}{8}'' \times 1\frac{1}{2}''$
 4C2 Screw (3), $\frac{1}{4}'' \times \frac{3}{4}''$
 Xg4C* Air Pin Plate, rear, and Matrix Jaw Stop, front, group; consists of g4C, 4C1(2), 4C2(3)
 *Can be fitted only at Workshops

7C
 a7C Cross Slide Guide
 7C1 Cover Plate
 7C2 Screw (4), $\frac{3}{8}'' \times \frac{1}{2}''$
 Xa7C Cross Slide Guide group; consists of a7C, 7C1, 7C2(4)

8C
 b8C Matrix Jaw, front

9C
 a9C Matrix Jaw, rear

16C
 c16C7 Mould Blade Operating Rod
 b16C8 Fork Pin Spring
 Fork Pin Spring Screw (2), $\frac{1}{2}'' \times \frac{1}{8}''$, to Air Pin Block, rear

17C
 a17C Normal Wedge Abutment, on Pin Block, Type and Rule Caster
 b17C Normal Wedge Abutment
 17C1 Taper Pin (2), $\frac{3}{8}'' \times \frac{3}{4}''$
 17C2 Screw (2), $\frac{1}{16}'' \times \frac{3}{8}''$
 Xa17C Normal Wedge Abutment, Type and Rule Caster, group; consists of a17C, 17C2(2)
 Xb17C Normal Wedge Abutment group; consists of b17C, 17C1(2), 17C2(2)

18C
 b18CC* Pin Jaw, front
 18C1 Stud for Pin Jaw Tongs
 18C2 Stud Nut
 18C3 Stud Washer
 Xb18C Pin Jaw, front, group; consists of b18CC, 18C2 and 3
 *b18CC consists of b18C, 18C1

19C
 19CC* Pin Jaw, rear
 19C1 Stud, for Pin Jaw Tongs
 19C2 Stud Nut
 19C3 Stud Washer
 X19C Pin Jaw, rear, group; consists of 19CC, 19C2 and 3
 *19CC consists of 19C, 19C1

20C
 a20C Pin Jaw Guide Rod (Not supplied separately, order Xa20C)
 a20C1 Screw
 Xa20C Pin Jaw Guide Rod group; consists of a20C, a20C1

21C
 a21C Pin Jaw Guide Rod Stop, $\frac{3}{32}''$ thick

22C
 a22C Pin Jaw Guide Rod Stand, front
 22C1 Nut
 Xa22C Pin Jaw Guide Rod Stand, front, group; consists of a22C, 22C1

23C
 a23C Pin Jaw Guide Rod Stand, rear
 a23C1 Clamp Screw, $\frac{3}{8}'' \times \frac{1}{2}''$
 23C2 Nut
 23C3 Clamp, left
 23C4 Clamp, right
 Xa23C Pin Jaw Guide Rod Stand, rear, group; consists of a23C, a23C1, 23C2, 3 and 4

24C
 24C Wedge Cover, Type and Rule Caster (see Plate 29)
 b24C Wedge Cover
 c24C Wedge Cover, Triplex Mould and Mathematical Attachments (see Plates 57, 58)
 24C1 Screw, $\frac{1}{4}'' \times \frac{1}{2}''$, countersunk
 24C11 Screw, $\frac{1}{4}'' \times \frac{1}{2}''$
 X24C Wedge Cover, Type and Rule Caster, group; consists of 24C, 24C1
 Xb24C Wedge Cover group; consists of b24C, 24C1, 24C11

30C
 30C1* Valve Box
 30C1C Body
 30C1C ass'd Body and Control Valve Cover, assembled
 30C2 Screw, long (2), to Air Pin Block
 30C3 Screw, short, to Air Pin Block
 30C4 Control Valve
 30C5 Control Valve Cover
 30C6 Control Valve Cover Screw (2), $\frac{1}{4}'' \times \frac{1}{2}''$, to Valve Box
 30C7 Control Valve Guide Pin
 30C8 Control Valve Spring
 30C9 Control Valve Locking Plunger
 30C10 Control Valve Locking Plunger head
 30C11 Control Valve Locking Plunger Spring
 30C12 Control Valve Locking Plunger Rivet
 30C13 Cap
 30C14 Plug (4), in Valve Box, $\frac{1}{2}'' \times .135'' + .5$, grub
 X30C Valve Box group; consists of 30C1C ass'd., 30C2(2), 30C3 and 4, 30C7 to 13 inclusive
 *30C1C consists of 30C1, 30C1(4)
 †30C1C ass'd. consists of 30C1C, 30C5, 30C6(2)

36C
 36C1 Buffer, Cross Slide
 36C2 Stud
 36C3 Stud Nut
 36C4 Buffer, Matrix Jaw, rear
 36C5 Stud
 36C6 Stud Nut
 36C7* Buffer Support and Cross Slide Extension Shoe
 36C8 Screw (3), $\frac{3}{8}'' \times \frac{3}{8}''$
 36C9 Spring Post
 X36C Buffers, Cross Slide and Matrix Jaw, rear, group; consists of 36C1 to 6 inclusive, 36C7C, 36C8(3)
 *36C7C consists of 36C7, 36C9

37C
 37C1 Buffer Spring, rear
 37C2 Rod
 37C3 Rod Nut (for assembly purposes only)
 37C4 Rod Washer (for assembly purposes only)
 37C5 Rod Washer
 X37C Buffer Spring, rear, group; consists of 37C1 to 5 inclusive

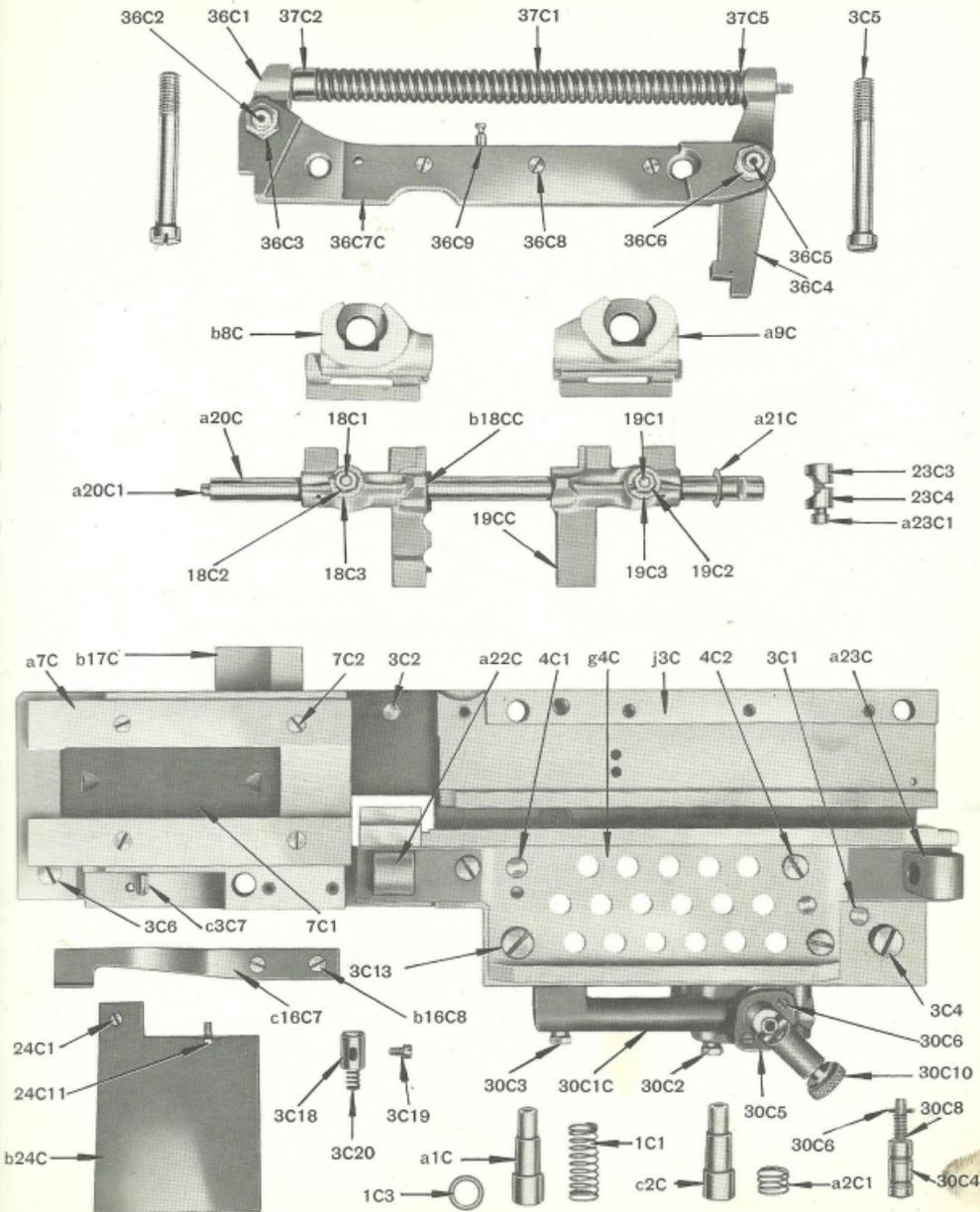


Plate 7

5C

- 55CC** Cross Slide, type heights .918" to .942"
55CC† Cross Slide, (specify type height), type heights .943" to 1.017"
p5CC† Cross Slide, type heights .918" to .942", Type and Rule Caster (see Plate 29)
q5CC§ Cross Slide, (specify type height), type heights .943" to 1.017", Type and Rule Caster
b5C1 Draw Rod, $\frac{3}{8}$ " x 24 threads
b5C3 Extension
a5C3¶ Extension, Type and Rule Caster
*e5C3*** Extension, Type and Rule Caster (see Plate 29)
*5C3*** Extension
a5C4¶ Extension Rivet (2)
b5C4 Extension Rivet (2)
a5C8 Positioner, Type and Rule Caster (see Plate 29)
b5C12 Draw Rod Lock Nut
X5C Cross Slide, type heights .918" to .942", group, consists of *55CC*, *b5C1*
X5C Cross Slide (specify type height), type heights .943" to 1.017", group, consists of *55CC*, *b5C1*
Xp5C Cross Slide, type heights .918" to .942", Type and Rule Caster, group, consists of *55CC*, *a5C8*
Xq5C Cross Slide (specify type height), type height .943" to 1.017", Type and Rule Caster, group, consists of *q5CC*, *a5C8*
55CC consists of *5C*, *5C3*, *b5C4(2)*, *b5C12*
55CC consists of *5C*, *5C3*, *b5C4(2)*, *b5C12*
p5CC consists of *p5C*, *e5C3*, *b5C4(2)*
q5CC consists of *q5C*, *e5C3*, *b5C4(2)*
†Composition Casters numbered 22001 to 24006 inclusive were equipped with these parts
¶Type and Rule Casters numbered 1240 to those supplied prior to July 1953 were equipped with these parts
**Can be fitted only at Workshops

12C

- b12C* Matrix Jaw Stop Rack, rear

13C

- d13C* Matrix Jaw Stop Rack Locking Bar, rear
a13C4 Connecting Rod
a13C5 Connecting Rod Adjusting Nut
a13C6 Connecting Rod Lock Nut
a13C7 Connecting Rod Washer
b13C8 Spring
a13C9 Spring Abutment Pin
a13C10 Stop Washer
b13C11 Yoke
Xd13C Matrix Jaw Stop Rack Locking Bar, rear, group; consists of *d13C*, *a13C4* to 7 inclusive, *b13C8*, *a13C9* and 10, *b13C11*

14C

- b14C* Mould Blade Abutment Slide
c14C1 Adjusting Screw
a14C3 Anvil
b14C3 Anvil, Railway Timetable Equipment Attachment (see Plate 51)
a14C5 Anvil Plunger
14C6 Anvil Spring (3)
a14C7 Anvil Screw (2), $\frac{1}{2}$ " x $\frac{3}{8}$ "
b14C7 Anvil Screw (2), $\frac{1}{2}$ " x $\frac{3}{8}$ ", Railway Timetable Equipment Attachment (see Plate 51)
b14C8 Spring Post
b14C10 Adjusting Screw Lock Spring
a14C11 Pin
a14C12 Adjusting Screw Nut
a14C13 Adjusting Screw Spring
14C15 Spring Post Screw, $\frac{3}{8}$ " x $\frac{3}{8}$ "
Xd14C Mould Blade Abutment Slide group; consists of *b14C*, *c14C1*, *a14C3*, *a14C5*, *14C6(3)*, *a14C7(2)*, *b14C8*, *b14C10*, *a14C11*, 12 and 13, *14C15*

15C

- 15C* Mould Blade Abutment Slide Spring

16C

- a16C†* Mould Blade Operating Rod
b16C Mould Blade Operating Rod
a16C1 Distance Sleeve, between Ejecting Spring Abutment and Sizing Spring Abutment, front

- a16C2†* Ejecting Spring, long
b16C2 Ejecting Spring, long
16C3 Ejecting Spring Abutment
b16C4 Ejecting Spring Sleeve
b16C5 Fork
c16C6 Fork Pin
b16C7 Fork Pin Spring, Type and Rule Caster (see Plate 29)
c16C7 Fork Pin Spring (see Plate 7)
16C8 Fork Pin Spring Screw (2), $\frac{1}{2}$ " x $\frac{1}{8}$ ", to Air Pin Block, rear, Type and Rule Caster (see Plate 29)
b16C8 Fork Pin Spring Screw (2), $\frac{3}{8}$ " x $\frac{1}{8}$ ", to Air Pin Block, rear (see Plate 7)
16C9 Nut, rear
16C10 Sizing Spring
a16C11 Sizing Spring Sleeve, inside
a16C12 Sizing Spring Sleeve, outside
16C13 Sizing Spring Abutment, front
b16C14 Sizing Spring Abutment, rear
a16C15 Nut, rear, Lock Nut
b16C16 Nut, front
a16C17† Ejecting Spring, short
b16C17 Ejecting Spring, short
*Xb16C** Mould Blade Operating Rod, Type and Rule Caster, group, consists of *a16C*, *a16C1* and 2, *16C3*, *b16C4* and 5, *c16C6*, *b16C7*, *16C8(2)*, *16C9* and 10, *a16C11* and 12, *16C13* and 14, *a16C15*, *b16C16*, *a16C17*
Xc16C† Mould Blade Operating Rod group, consists of *a16C*, *a16C1* and 2, *16C3*, *b16C4* and 5, *c16C6* and 7, *b16C8(2)*, *16C9* and 10, *a16C11* and 12, *16C13* and 14, *a16C15*, *b16C16*, *a16C17*
Xd16C Mould Blade Operating Rod group, consists of *b16C*, *a16C1*, *b16C2*, *16C3*, *b16C5*, *c16C6* and 7, *b16C8(2)*, *16C9* and 10, *a16C11* and 12, *16C13* and 14, *a16C15*, *b16C16* and 17
Xe16C Mould Blade Operating Rod, Type and Rule Caster group, consists of *b16C*, *a16C1*, *b16C2*, *16C3*, *b16C5*, *c16C6*, *b16C7*, *16C8(2)*, *16C9* and 10, *a16C11* and 12, *16C13* and 14, *a16C15*, *b16C16* and 17
*Type and Rule Casters numbered 1240 to 1455 inclusive were equipped with these parts
†Composition Casters numbered 22001 to 28162 inclusive were equipped with these parts

‡Composition Casters numbered 22001 to 22182 inclusive were equipped with these parts

35H

Pump Trip (Hand)

b35H1H*	Rod
c35H1H†	Rod, Unit Adding Attachment (see Plate 43)
35H2	Rod Nut
35H3	Rod Washer
35H4	Rod Plate
a35H5	Rod Plate Rivet (2)
a35H12	Handle
a35H8	Handle Nut
35H9	Handle Spring
b35H10	Rod Stop Nut
a35H11	Rod Stop Washer
a35H12	(refer after a35H5)

Xb35H Pump Trip (Hand) group; consists of b35H1H, 35H2 and 3, a35H8, 35H9, b35H10, a35H11 and 12

*b35H1H consists of b35H1, 35H4, a35H5(2)

†c35H1H consists of c35H1, 35H4, a35H5(2)

78CU

Space and Type Transfer Wedge Operating Rod (increased diameter threaded end) Attachment

Object—To prevent breakage of the Space and Type Transfer Wedge Operating Rods

For Composition Casters numbered 22001 to 22182 inclusive

78CU Space and Type Transfer Wedge Operating Rod (increased diameter threaded end) Attachment; consists of Xb53D, Xb63D

Note. When applying this attachment it will be necessary for the customer's existing transfer Tongs X59D to be returned for new Crossheads to be fitted. Loan Tongs can be supplied while customer's Tongs are being converted

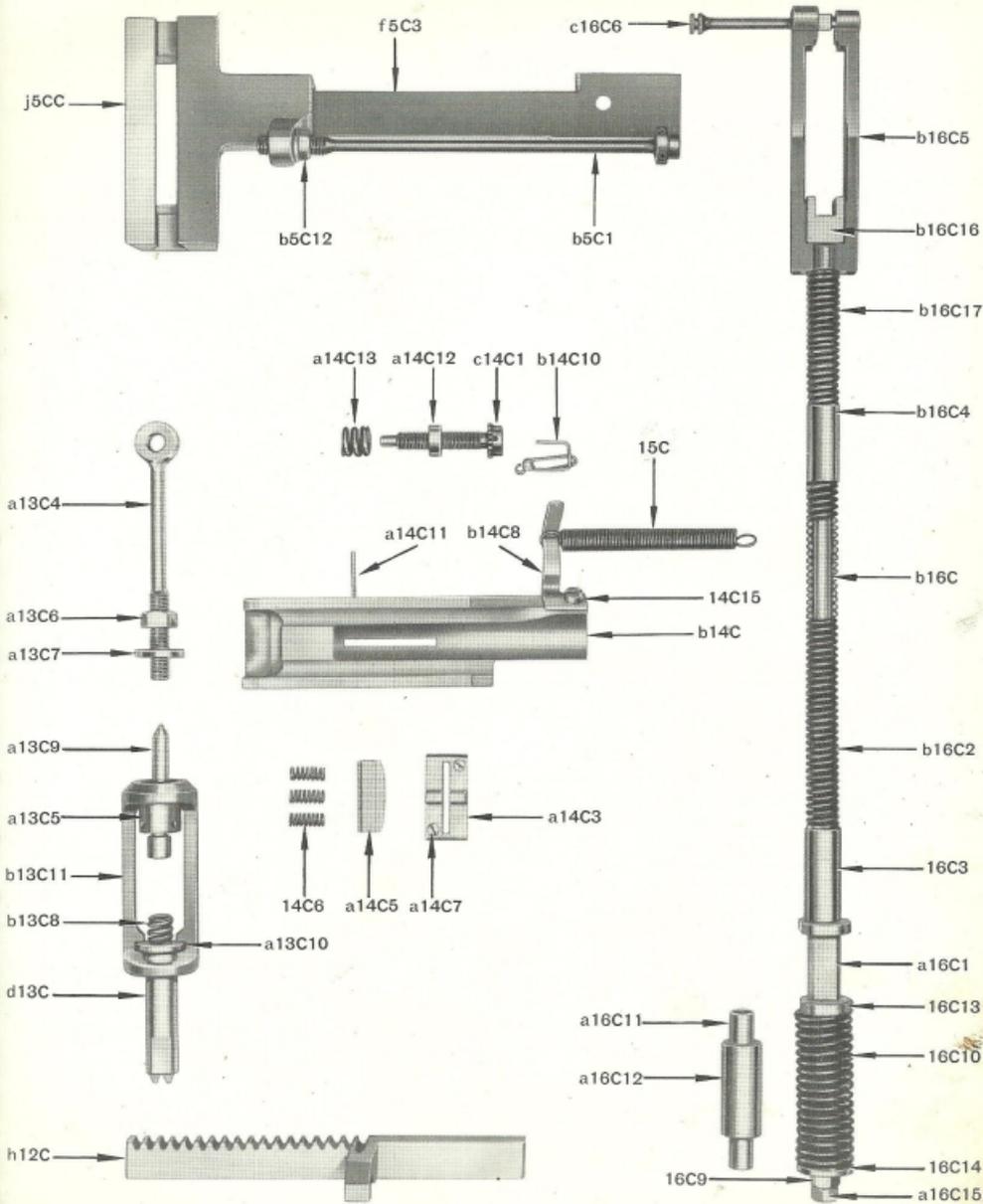
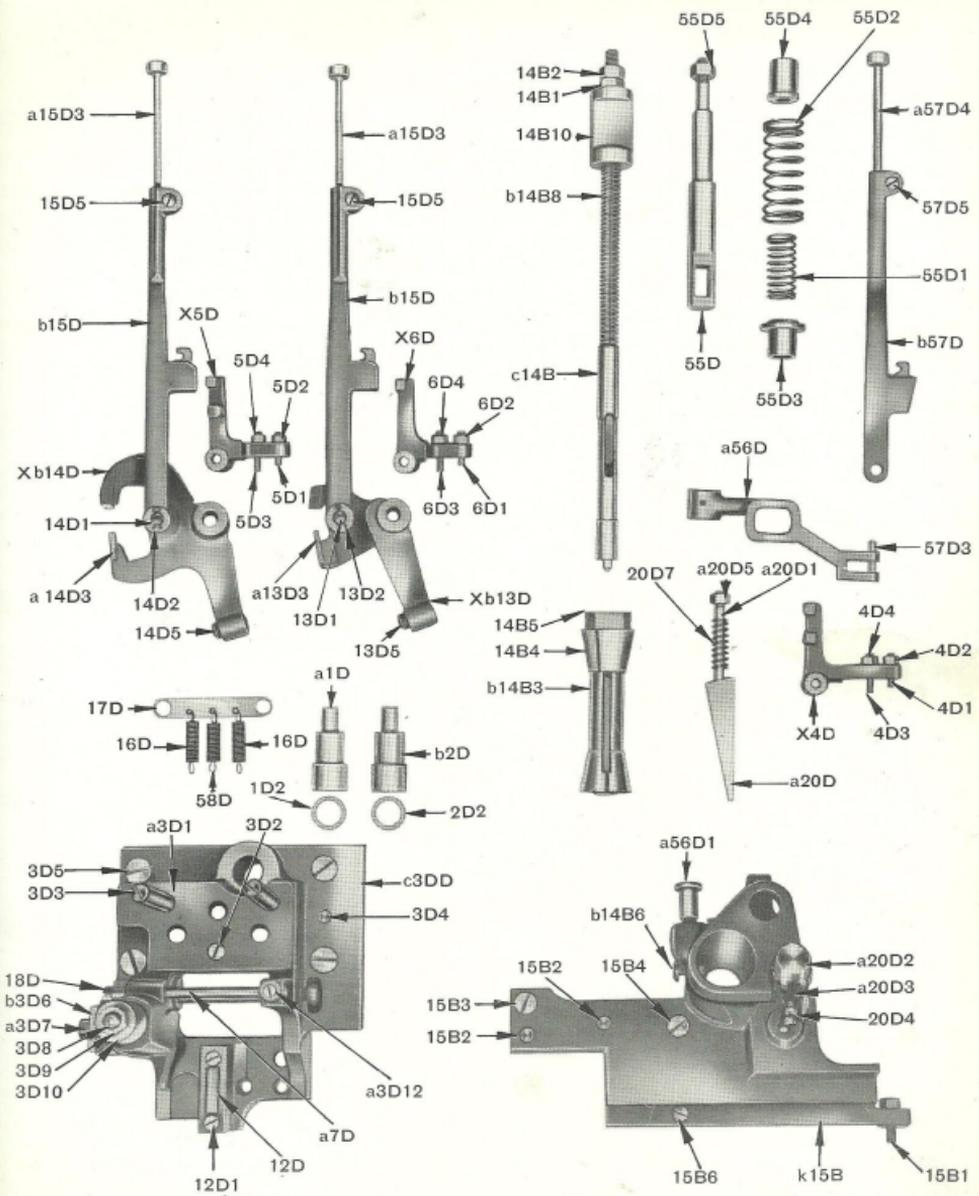


Plate 8

14B		Xd3D	Air Pin Block, Type and Rule Caster, group; consists of 33D, 3D4(2), 3D5(4) *c3DD consists of c3D, 3D8 †Can be fitted only at Workshops		15D	Justification Wedge Lever Arm (2) Adjusting Nut (2) Adjusting Nut Lock Nut (2) Rod (2) Rod (2) Rod Lock Screw (2), $\frac{1}{2}'' \times \frac{1}{4}''$ Justification Wedge Lever Arm (2) group; each consists of b15D, a15D3, 15D5 *Composition Casters numbered 22001 to 24625 inclusive were equipped with these parts
c14B	Normal Wedge Locking Pin	4D	4D	Bell Crank , centre (Not supplied separately, order X4D) Abutment Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub Abutment Screw Lock Nut Stop Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub Stop Screw Lock Nut	b15D a15D1* 15D2* 15D3* a15D3 15D5 Xc15D	
14B1	Adjusting Nut	4D1	4D1	Abutment Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub		
14B2	Adjusting Nut Lock Nut	4D2	4D2	Abutment Screw Lock Nut		
b14B3	Bush	4D3	4D3	Stop Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub		
14B4	Bush Adjusting Sleeve	4D4	4D4	Stop Screw Lock Nut		
14B5	Bush Adjusting Sleeve Nut	X4D	X4D	Bell Crank, centre, group; consists of 4D, 4D1 to 4 inclusive		
14B6	Bush Guide Screw	5D	5D	5D		
b14B8	Spring	5D1	5D1	Bell Crank, left (Not supplied separately, order X5D) Abutment Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub	16D	16D
14B10	Spring Abutment, upper	5D2	5D2	Abutment Screw Lock Nut		
a14B12	Lifting Handle, display type casting (see Plate 35)	5D3	5D3	Stop Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub		
14B13*	Shank Fixing Pin	5D4	X5D	Stop Screw Lock Nut		
Xc14B	Normal Wedge Locking Pin group; consists of c14B, 14B1 and 2, b14B3, 14B4 and 5, b14B6, b14B8, 14B10, 14B10	5D5	5D5	Bell Crank, left, group; consists of 5D, 5D1 to 4 inclusive		
Xf14B	Normal Wedge Locking Pin, Type and Rule Caster, group; consists of c14B, 14B1 and 2, b14B3, 14B4 and 5, b14B6, b14B8, 14B10, a14B12 *Composition Casters numbered 22001 to 25200 inclusive were equipped with this part	6D	6D	6D	a20D a20D1 a20D2 a20D3 20D4 a20D5 20D7 Xa20D	
k15B	Normal Wedge Locking Pin Stand	6D1	6D1	Bell Crank, right (Not supplied separately, order X6D) Abutment Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub		
15B1	Bolt, $\frac{1}{2}'' \times \frac{1}{4}''$, to C Pin Block	6D2	6D2	Abutment Screw Lock Nut		
15B2	Taper Pin (2), $\frac{1}{2}'' \times 1\frac{1}{2}''$, to B Pin Block	6D3	6D3	Stop Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub		
a15B2	Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, to B Pin Block	6D4	6D4	Stop Screw Lock Nut		
15B3	Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, to B Pin Block	X6D	X6D	Bell Crank, right, group; consists of 6D, 6D1 to 4 inclusive		
15B4	Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, to B Pin Block					
15B6	Screw (2), $\frac{1}{2}'' \times \frac{1}{4}''$, to B Pin Block					
15B14	Cover					
15B15	Cover Screw					
15B16	Cover Screw Spring Washer					
15B17	Cover Screw Washer					
Xf15B	Normal Wedge Locking Pin Stand group; consists of k15B, 15B1, 15B2(2), 15B3 and 4, 15B6(2), 15B14 to 17 inclusive					
1D		a7D	a7D	7D	55D 55D1 55D2 55D3 55D4 55D5 X55D	
a1D	Air Pin, Justification, left and right (2)	12D	12D	7D		
1D2	Seating Ring (2)	12D1	12D1	Bell Crank Fulcrum Pin		
b2D	Air Pin, Space, centre	X12D	X12D	12D		
2D2	Seating Ring			12D		
2D				Justification Wedge Centring Tooth Screw (2), $\frac{1}{2}'' \times \frac{1}{4}''$, to Pin Block		
b3D	Air Pin, Space, centre			Justification Wedge Centring Tooth group; consists of 12D, 12D1(2)		
2D2	Seating Ring					
3D		b13D	b13D	13D	a56D a56D1 Xa56D	
c3DD*	Air Pin Block, Justification	13D1	13D1	Justification Wedge Lever, rear Wedge (Not supplied separately, order Xb13D) Pin		
a3D	Air Pin Block, Type and Rule Caster (see Plate 29)	13D2	13D2	Pin Split Pin, $\frac{1}{2}'' \times \frac{1}{4}''$		
a3D1	Cover Plate	a13D3	a13D3	Plate		
3D2	Cover Plate Screw, short, $\frac{1}{2}'' \times \frac{1}{4}''$, to Block	b13D4	b13D4	Plate Rivet		
3D3	Cover Plate Screw, long (2), for Spring Plate, to Block	13D5	13D5	Button		
3D4	Taper Pin (2), $\frac{1}{2}'' \times 1\frac{1}{2}''$, to Main Stand	Xb13D	Xb13D	Justification Wedge Lever, rear Wedge, group; consists of b13D, 13D1 and 2, a13D3, b13D4, 13D5	b57D a57D1* 57D2* 57D3 57D4* a57D4 57D5 Xb57D	
3D4r	Taper Pin, oversize, 1st repair					
3D5	Screw (4), $\frac{1}{2}'' \times \frac{1}{4}''$, to Main Stand					
b3D6	Shoe, for Matrix Jaw Stop Rack Locking Bar					
a3D7	Shoe Screw (2), $\frac{1}{2}'' \times \frac{1}{4}''$, hexagon, to Block	b14D	b14D	14D		
3D8	Stud	14D1	14D1	Justification Wedge Lever, front Wedge (Not supplied separately, order Xb14D) Pin		
3D9	Stud Nut	14D2	14D2	Pin Split Pin, $\frac{1}{2}'' \times \frac{1}{4}''$		
3D10	Set Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, for Bell Crank Fulcrum Pin	a14D3	a14D3	Plate Rivet		
a3D12	Set Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, for Bell Crank Fulcrum Pin	14D5	14D5	Button		
Xc3D1	Air Pin Block, Justification, group; consists of c3DD, a3D1, 3D2, 3D3(2), 3D4(2), 3D5(4), b3D6, a3D7(2), 3D9 and 10, a3D12	Xb14D	Xb14D	Justification Wedge Lever, front Wedge group; consists of b14D, 14D1 and 2, a14D3 and 4, 14D5	58D	



8D
a8D Galley Trip Rod
b8D Galley Trip Rod, Type and Rule Caster (see Plate 29)
8D1 Nut
a8D2 Spring, Type and Rule Caster (see Plate 29)
b8D3 Spring Plunger, Type and Rule Caster (see Plate 29)
8D4 Spring, inner
8D5 Spring, outer
X8D Galley Trip Rod, Type and Rule Caster, group; consists of 8D, 8D1, a8D2, b8D3
Xc8D Galley Trip Rod group; consists of 8D, 8D1, 8D4 and 5

9D
a9D Galley Trip Rod Arm
b9D1 Rock Lever
9D2 Rock Lever Fulcrum Pin
9D3 Rock Lever Fulcrum Pin Nut
b9D4 ass'd* Rock Lever Stop, assembled
b9D4 Rock Lever Stop
9D5 Rock Lever Stop Adjusting Nut
9D6 Rock Lever Stop Adjusting Nut Lock Nut
a9D7 Rock Lever Stop Bracket
9D8 Rock Lever Stop Bracket Screw, long, $\frac{3}{8} \times 1\frac{1}{2}$, hexagon, to Main Stand
9D9 Rock Lever Stop Bracket Screw Collar
9D10 Rock Lever Stop Bracket Screw, short, $\frac{3}{8} \times 1\frac{1}{2}$, hexagon, to Main Stand
9D11 Rock Lever Stop Bracket Screw Washer
9D12 Rock Lever Stop Spring
Xa9D Galley Trip Rod Arm, Type and Rule Caster, group; consists of 9D, b9D1, 9D2 and 3
Xa9D Galley Trip Rod Arm group; consists of 9D, b9D1, 9D2 and 3, b9D4 ass'd.
 *b9D4 ass'd. consists of b9D4, 9D5 and 6, a9D7, 9D8 to 12 inclusive

10D
c10D Justification Wedge, front, 00075"
d10D Justification Wedge, front, Proportional Justification (specify set size)
f10D Justification Wedge, front, 0075", Railway Timetable Equipment Attachment (see Plate 51)

11D
c11D Justification Wedge, rear, 00075"
d11D Justification Wedge, rear, Proportional Justification (specify set size)
a11D1 Justification Wedge, rear, point, display type casting and Short Lead and Rule Attachment (see Plate 35)
b11D1 Justification Wedge, rear, didot, display type casting and Short Lead and Rule Attachment

21D
21D Normal Wedge (specify designation and set size)
b21D1 Normal Wedge, point, Display and Quad and Space Attachments (Not supplied separately, order Xb21D)
c21D1 Normal Wedge, point, Type and Rule Caster (Not supplied separately, order Xc21D)
d21D1 Normal Wedge, didot, Display and Quad and Space Attachments (Not supplied separately, order Xd21D)
e21D1 Normal Wedge, didot, Type and Rule Caster (Not supplied separately, order Xe21D)
a21D2 Handle, Display and Quad and Space Attachment (see Plate 35)
a21D3 Handle, Type and Rule Caster (see Plate 29)
Xb21D Normal Wedge, point, Display and Quad and Space Attachments, group; consists of b21D1, a21D2 (see Plate 35)
Xc21D Normal Wedge, point, Type and Rule Caster, group; consists of c21D1, a21D3 (see Plate 29)
Xd21D Normal Wedge, didot, Display and Quad and Space Attachments, group; consists of d21D1, a21D2
Xe21D Normal Wedge, didot, Type and Rule Caster, group; consists of e21D1, a21D3

48D
a48D Pump Trip Operating Lever
48D1 Fulcrum Pin
48D2 Fulcrum Pin Split Pin, $\frac{1}{8} \times 1\frac{1}{2}$ "
48D3 Separating Pin (2)

48D4 Pump Trip Operating Lever, left (Not supplied separately, order a48DD)
Xa68D Pump Trip Operating Lever group; consists of 48DD, 48D1 and 2
 *48DD consists of 48D, 48D3(2), 48D4

49D
a49DD* Pump Trip Tube
b49D1 Collar
b49D1 ass'd. Collar assembled
49D2 Spring Stop
49D7 Collar Clamp, plain
49D8 Collar Clamp, threaded
49D9 Collar Clamp Screw, $1\frac{1}{2} \times 1\frac{1}{2}$ ", hexagon
X49D9 Pump Trip Tube group; consists of a49DD, b49D1 ass'd.
 *a49DD consists of 49D, 49D3
 †b49D1 ass'd. consists of b49D1, 49D7, 8 and 9

50D
50D Pump Trip Spring
50D1 Plate (2)
X50D Pump Trip Spring group; consists of 50D, 50D1(2)

51D
a51D Pump Trip Tube Spring Post, in Main Stand

52D
a52D Space Transfer Wedge
b52D Space Transfer Wedge, Combined Spacing Attachment (Not supplied separately, order Xb52D)
c52D Space Transfer Wedge, Proportional Justification (specify set size)
d52D Space Transfer Wedge, Railway Timetable Equipment Attachment (see Plate 51)
52D1 Adjusting Screw
52D2 Adjusting Screw Lock Nut
Xa52D Space Transfer Wedge group; consists of 52D, 52D1 and 2
Xb52D Space Transfer Wedge, Combined Spacing Attachment (specify set size and minimum justifying space), group; consists of b52D, 52D1 and 2 (see Plate 51) (order by Attachment Symbol 62CU)
Xc52D Space Transfer Wedge, Proportional Justification (specify set size), group; consists of c52D, 52D1 and 2

53D
a53DD* Space Transfer Wedge Operating Rod
b53DD† Space Transfer Wedge Operating Rod
53D1 Nut
a53D1 Nut
53D2 Nut Lock Nut
53D2 Nut Lock Nut
53D1 Washer
53D3 Washer
53D4 Yoke
a53D5 Spring, Type and Rule Caster (see Plate 29)
a53D6 Spring Abutment, Type and Rule Caster (see Plate 29)
b53D6 Spring Abutment, Type and Rule Caster (see Plate 29)
Xa53D1 Space Transfer Wedge Operating Rod group; consists of a53DD, 53D1, 2 and 3
Xb53D Space Transfer Wedge Operating Rod group; consists of b53DD, a53D1, 2 and 3
Xc53D Space Transfer Wedge Operating Rod, Type and Rule Caster, group; consists of b53DD, a53D1, a53D3, b53D6
 *a53DD consists of a53D, a53D4
 †b53DD consists of b53D, a53D4
 ‡Type and Rule Casters numbered 1240 to 1263 inclusive were equipped with this part

(Composition Casters numbered 22001 to 22182 and Type and Rule Casters numbered 1240 to 1263 inclusive were equipped with these parts)
 (Composition Casters numbered 22001 to 22182 inclusive were equipped with these parts)

54D
54D Space Transfer Wedge Operating Rod Guide
54D1 Cap
54D2 Cap Screw (2), $\frac{1}{8} \times \frac{1}{2}$ "
54D3 Space Transfer Wedge Operating Rod Guide group; consists of 54D, 54D1, 54D2(2), 54D3(2)

59D
59D1 Transfer Tongs
59D2 Cam Lever Extension
59D2* Lower Connecting Link (2)
59D3* Lower Connecting Link Bush (2)
59D4* Upper Connecting Link (2)
59D5* Upper Connecting Link Pin, in Extension
59D6* Upper Connecting Link Separating Block
59D7* Upper Connecting Link Separating Block Bush
59D8 Upper Connecting Link Separating Block Rivet
a59D9* Space Wedge Lever (2)
a59D10* Space Wedge Lever Crosshead
b59D10 Space Wedge Lever Crosshead
59D11* Space Wedge Lever Eye, on Spring Box Rod
59D12* Space Wedge Lever Separating Pin (3)
a59D13 Space Wedge Lever Bush (2)
59D14 Type Wedge Lever (2)
59D15 Type Wedge Lever Bolt, $1\frac{1}{2} \times 1\frac{1}{2}$ " hexagon, for Link, upper
59D15 Type Wedge Lever Bolt Nut
a59D16* Type Wedge Lever Crosshead
b59D16* Type Wedge Lever Crosshead
59D17 Type Wedge Lever Separating Pin (2) (order after 59D12)
a59D18* Type Wedge Lever Bush (2)
X59D† Transfer Tongs group; consists of 59D1, 59D2(2), 59D3(2), 59D4(2), 59D5, 6 and 7, 59D8(2), a59D9(2), b59D10, 59D11, 59D12(3), a59D13(2), 59D14 and 15, a59D16, 59D17(2), a59D18(2), a59D19(2)
 †Transfer Tongs group; consists of 59D1, 59D2(2), 59D3(2), 59D4(2), 59D5, 6 and 7, 59D8(2), a59D9(2), b59D10, 59D11, 59D12(3), a59D13(2), 59D14 and 15, a59D16, 59D17(2), a59D18(2), a59D19(2)
 *These parts of the Tongs are not supplied separately, but loan Tongs can be supplied while customers' worn Tongs are being repaired

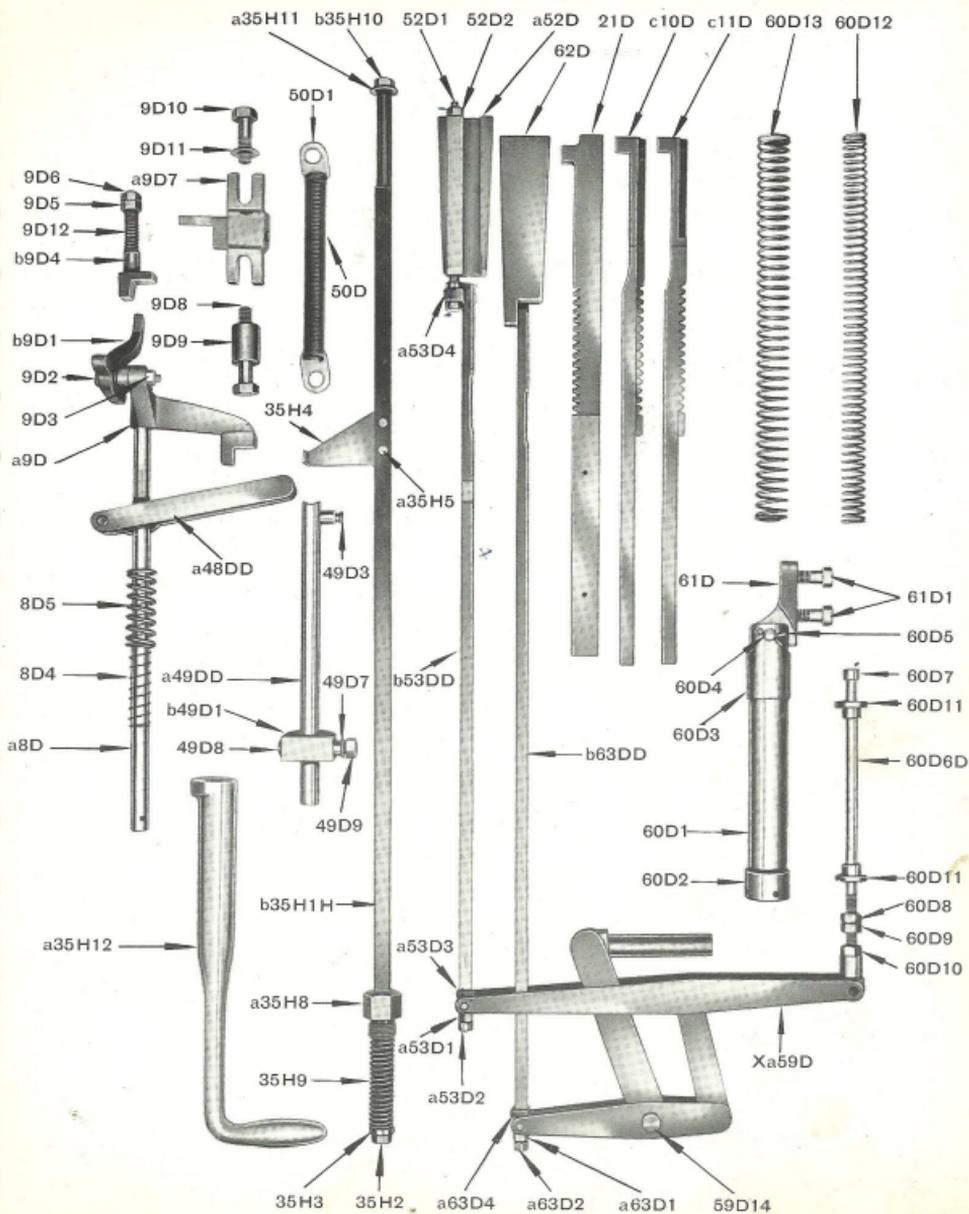
†Composition Casters numbered 22001 to 22182 inclusive were equipped with these parts

60D
60D1 Transfer Wedge Spring Box
60D2 Tube
60D3 Tube Cap
60D4 Tube Yoke
60D5 Tube Yoke Pin
60D6 Tube Yoke Pin Split Pin (2), $\frac{1}{8} \times \frac{1}{2}$ "
60D6D* Tube Rod
60D7 Tube Rod Head
60D8 Tube Rod Adjusting Nut for Springs
60D9 Tube Rod Adjusting Nut Lock Nut
60D10 Tube Lock Nut, for Space Wedge Lever Eye
60D11 Tube Spring Abutment (2)
60D12 Tube Spring, inside
60D13 Tube Spring, outside
X60D Transfer Wedge Spring Box group; consists of 60D1 to 6, including 60D5(3), 60D6D, 60D8, 9 and 10, 60D11(2), 60D12 and 13
 *60D6D consists of 60D6 and 7
 †Can be fitted only at Workshops

61D
61D Transfer Wedge Spring Box Stand
61D1 Screw (2), $\frac{1}{8} \times \frac{1}{2}$ "
X61D Transfer Wedge Spring Box Stand group; consists of 61D, 61D1 (2)

62D
62D Type Transfer Wedge
a62D Type Transfer Wedge, Railway Timetable Equipment Attachment (see Plate 51)

63D
a63DD† Type Transfer Wedge Operating Rod
b63DD† Type Transfer Wedge Operating Rod
63D1 Nut
63D1 Nut
63D2 Nut Lock Nut
a63D2 Nut Lock Nut
63D3 Pin
63D4 Washer
a63D4 Washer
Xa63D1 Type Transfer Wedge Operating Rod group; consists of a63DD, 63D1 and 2, 63D4
Xb63D Type Transfer Wedge Operating Rod group; consists of b63DD, a63D1 and 2, 63D4
 *a63DD consists of a63D, 63D3
 †a63DD consists of a63D, 63D3



a36E102	Air Pipe N, Valve Box to Tee (see Plate 53)	a36E381	Air Pipe, D+Constant Air, Part 1, Valve Box Holding Plate Constant Air, "Unit Shift" to B Block Piston, operating Sliding Frame Draw Rod, 99CU
36E103	Air Pipe Connector (see Plate 53)	36E382	Air Pipe, E, Tee to E Pin, C Block
36E104	Air Pipe Connector Nut (see Plate 53)	36E383	Air Pipe, E, Tee to Valve Box Holding Plate "Unit Shift"
36E105	Air Pipe Nipple (see Plate 53)	a36E383	Air Pipe, E, Part 1, Tee to Valve Box Holding Plate, "Unit Shift", 99CU
36E106	Air Pipe Nut (see Plate 53)	36E384	Air Pipe, F, Tee to F Pin, C Block
36E107	Air Pipe Tee (see Plate 53)	36E385	Air Pipe, F, Tee to Valve Box Holding Plate "Unit Shift"
36E108	Air Pipe Connector, Pipe N, Air Tower to Tee	a36E385	Air Pipe, F, Part 1, Tee to Valve Box Holding Plate, "Unit Shift", 99CU
36E109	Air Pipe Nut	36E386	Air Pipe, F, Tee to F Pin, C Block
36E110	Air Pipe Connector, Pipe N, Tee to C Block	a36E386	Air Pipe, F, Tee to Valve Box Holding Plate "Unit Shift"
36E111	Air Pipe Nut	a36E386	Air Pipe, Constant Air, Expansion Elbow to Valve Box Holding Plate "Unit Shift"
36E112	Air Pipe N+0075", Part 1, Valve Box to Bridge (see Plate 53)	a36E386	Air Pipe, Constant Air, Expansion Elbow to Valve Box Holding Plate, Constant Air "Unit Shift", 99CU
36E113	Air Pipe Nipple	36E387	Air Pipe Connector
36E115	Air Pipe Nut, small	36E388	Air Pipe Connector Lock Nut
36E116	Air Pipe N+0075", Part 2, Valve Box to Bridge (see Plate 53)	36E389	Air Pipe Nipple (8)
36E118	Air Pipe Union (see Plate 53)	36E390	Air Pipe Nut, large (3)
36E119	Air Pipe 0075", Valve Box to Pipe from Air Tower (see Plate 53)	a36E390	Air Pipe Connector Nut (7), 99CU
36E120	Air Pipe Nipple	36E391	Air Pipe Nut, small (8)
36E122	Air Pipe Nut, small	36E392	Air Pipe Tee (2)
36E123	Air Pipe Connector, Pipe 0075", Air Tower to Union (see Plate 53)	a36E392	Air Pipe Tee (2), 99CU
36E124	Air Pipe Connector Nut (see Plate 53)	36E393	Air Pipe Connector Cap, 99CU
36E125	Air Pipe Connector Union (see Plate 53)	36E394	Air Pipe 0005", Tee to D Block
36E126	Air Pipe 0075", Valve Box to Pipe from D Block (see Plate 53)	36E395	Air Pipe Tee
36E127	Air Pipe Nipple	36E396	Air Pipe Tee Cap (2)
36E129	Air Pipe Nut, small	36E397	Air Pipe, Part 2
36E130	Air Pipe Connector, Pipe 0075" to D Block	36E398	Air Pipe Connector
36E131	Air Pipe Connector Nut	36E399	Air Pipe Connector Cap (2)
36E132	Air Pipe Connector Union	36E414	Air Pipe, D, Part 2, 99CU4 to 21
36E133	Make-up Washer (2), for Valve Box Holding Plate (see Plate 53)	36E415	Air Pipe, D+Constant Air, Part 2, 99CU4 to 21
		36E416	Air Pipe, E, Part 2, 99CU4 to 21
		36E417	Air Pipe, E, Tee to C Block, 99CU4 to 21
		36E418	Air Pipe, F, Part 2, 99CU4 to 21
		36E419	Air Pipe, F, Tee to C Block, 99CU4 to 21
		36E420	Air Pipe Connector (5), 99CU4 to 21
		36E421	Air Pipe Connector, large end, 99CU4 to 21
		36E422	Air Pipe Connector, small end, (7), 99CU4 to 21
		36E423	Air Pipe Union (4), 99CU4 to 21
		Xu36E	Main Stand, Type and Rule Caster, group: consists of u36EE, 36E34, 35 and 36, 36E37(2), 36E38(4), 36E140
		Xpw36E	Main Stand group: consists of pw36EE, 36E34, 35 and 36, 36E37(2), 36E38(4), 36E140
		Xqw36E	Main Stand group: consists of qw36EE, 36E34, 35 and 36, 36E37(2), 36E38(4), 36E140
		Xkw36E	Main Stand, Triplex Mould Attachment, group: consists of kw36EE, 36E34, 35 and 36, 36E37(2), 36E38(4), 36E140, 36E318, 36E320 and 321, a36E322, 36E323 and 324, 36E360(2).
		*u36EE	consists of u36E, a36E33, b36E39(2), a36E43, 36E44 to 47 inclusive, 36E48(2), 36E49(2), a36E87, a36E88(2), 36E90(5), 36E99 and 100, 36E134, 36E139, 36E141 to 154 inclusive, 36E159 to 175 inclusive, b36E176, 36E177 and 178, a36E179, 36E180 to 187 inclusive, 36E272(3), 36E367, 36E375, 36E379 to 385 inclusive, 36E389(7), 36E390(3), 36E391(7), 36E392(2), 36E394 and 395, 36E396(2), 36E397 and 398, 36E399(2), a211E1, 211E5, 211E7 and 8, X212E, a213E1, 213E5(2), 213E7(2), 216E8, 216E9(2), 216E17, 216E18(4), 222E21, 222E22E, 222E24(4), 222E25(2), 302E6, 302E7E, 302E9(4), 302E10(2)
		†pw36EE	consists of pw36E, 36E1 to 14 inclusive, a36E15, 16 and 17, b36E18 and 19, c36E20, 36E21, b36E22, 36E23, 36E26 and 27, 36E31, a36E33, b36E39(2), a36E43, 36E44 to 47 inclusive, 36E48(2), 36E49(2), a36E87, a36E88(2), 36E90(5), 36E99 and 100, 36E134, 36E139, 36E141 to 154 inclusive, 36E159 to 175 inclusive, b36E176, 36E177 and 178, a36E179, 36E180 to 187 inclusive, 36E272(3), 36E367, 36E375, 36E379 to 385 inclusive, 36E389(7), 36E390(3), 36E391(7), 36E392(2), 36E394 and 395, 36E396(2), 36E397 and 398, 36E399(2), a211E1, 211E5, 211E7 and 8, X212E, a213E1, 213E5(2), 213E7(2), 216E8, 216E9(2), 216E17, 216E18(4), 222E21, 222E22E, 222E24(4), 222E25(2), 302E6, 302E7E, 302E9(4), 302E10(2)
		‡qw36EE	consists of qw36E, 36E1 to 14 inclusive, a36E15, 16 and 17, b36E18 and 19, c36E20, 36E21, b36E22, 36E23, 36E26 and 27, 36E31, a36E33, b36E39(2), a36E43, 36E44 to 47 inclusive, 36E48(2), 36E49(2), a36E87, a36E88(2), 36E90(5), 36E99 and 100, 36E134, 36E139, 36E141 to 154 inclusive, 36E159 to 175 inclusive, b36E176, 36E177 and 178, a36E179, 36E180 to 187 inclusive, 36E272(3), 36E367, 36E375, 36E379 to 385 inclusive, 36E389(7), 36E390(3), 36E391(7), 36E392(2), 36E394 and 395, 36E396(2), 36E397 and 398, 36E399(2),

TRIPLEX MOULD ATTACHMENT

Main Stand

kw36E34	Air Pipe N+0005", Part 1, Valve Box to Bridge (see Plate 57)
36E305	Air Pipe Nipple
36E306	Air Pipe Nut
36E307	Air Pipe N+0005", Part 2, Valve Box to Bridge (see Plate 57)
36E308	Air Pipe Union (see Plate 57)
36E309	Air Pipe 0005", Unit Adding to Valve Box (see Plate 57)
36E310	Air Pipe Nipple
36E311	Air Pipe Nut
36E312	Air Pipe 0005", Part 1, Valve Box to D Block (see Plate 57)
36E313	Air Pipe Nipple
36E314	Air Pipe Nut
36E315	Air Pipe Union (see Plate 57)
36E316	Air Pipe Connector, Pipe 0005", Part 2, Valve Box to D Block (see Plate 57)
36E317	Air Pipe Connector Nut (see Plate 57)
36E318	Air Pipe, Constant Air, Part 1, Air Expansion Elbow to Bridge (see Plate 57)
36E319	Air Pipe, Constant Air, Part 2, Air Expansion Elbow to Bridge (see Plate 57)
36E320	Air Pipe Clip (3) (see Plate 57)
36E321	Air Pipe Clip Screw (3), $\frac{1}{2} \times \frac{3}{8}$ " (see Plate 57)
a36E322	Air Pipe Cock with Nuts (see Plate 57)
36E323	Air Pipe Connector (see Plate 57)
36E324	Air Pipe Connector Lock Nut (see Plate 57)
36E325	Make-up Washer, for Valve Box Holding Plate (see Plate 57)
36E329	Air Pipe Connector, Mathematical Attachment
36E334	(refer after 36E272)
36E335	Air Pipe Nut, Two-Colour Attachment
36E336	Air Pipe 0005", Part 2, Two-Colour Attachment
36E357	Air Pipe Union, Two-Colour Attachment
36E358	Air Pipe Cock Connector (4), 86CU3
36E359	Air Pipe Cock Connector (4), 86CU3
36E360	Air Pipe Cock Connector (2), Triplex Mould Attachment
36E367	Air Pipe, H, Tee to H Pin, C Block
36E375	Air Pipe Tee
a36E377	Air Pipe Connector, to Expansion Elbow, 99CU
36E379	Air Pipe, D, Valve Box Holding Plate "Unit Shift" to D Pin, C Block
a36E379	Air Pipe, D, Part 1, Valve Box Holding Plate, "Unit Shift" to C Block, 99CU
36E380	Air Pipe, D, Valve Box Holding Plate "Unit Shift" (Loop)
a36E380	Air Pipe, D, Valve Box Holding Plate, "Unit Shift" (Loop) 99CU
36E381	Air Pipe, D+Constant Air, Valve Box Holding Plate, "Unit Shift" to B Block Piston Operating Sliding Frame Draw Rod

a92E5 and 6, 92E9, 92E13, 92E14(4),
a211E1, 211E5, 211E7 and 8, X212E,
a213E1, 213E5(2), 213E7(2), 216E8,
216E9(2), 216E17, 216E18(4), 222E21,
222E22E, 222E24(4), 222E25(2), 302E6,
302E7E, 302E9(4), 302E10(2)

§kw36EE consists of kw36E, 36E1 to 14 in-
clusive, a36E15, 16 and 17, 36E18 to 23
inclusive, 36E26 and 27, 36E31, a36E33,
b36E39(2), a36E43, 36E44 to 47 inclusive,
36E48(2), 36E49(2), a36E87, a36E88(2),
36E90(5), 36E99 and 100, a36E102,
36E103 to 113 inclusive, 36E115 and 116,
36E118, 119 and 120, 36E122 to 125 in-
clusive, a36E126, 36E127, 36E129 to 132
inclusive, 36E133(2), 36E134, 36E139,
36E141 to 154 inclusive, 36E159 to 187
inclusive, 36E272(3), 36E304 to 317 in-
clusive, 36E319, 36E320(2), 36E321(2),
36E325, a92E6, 92E9, 216E8, 216E9(2),
216E17, 216E18(4), 222E21, 22 and 23,
222E24(4), 222E25(2), 245E5, 6 and 7

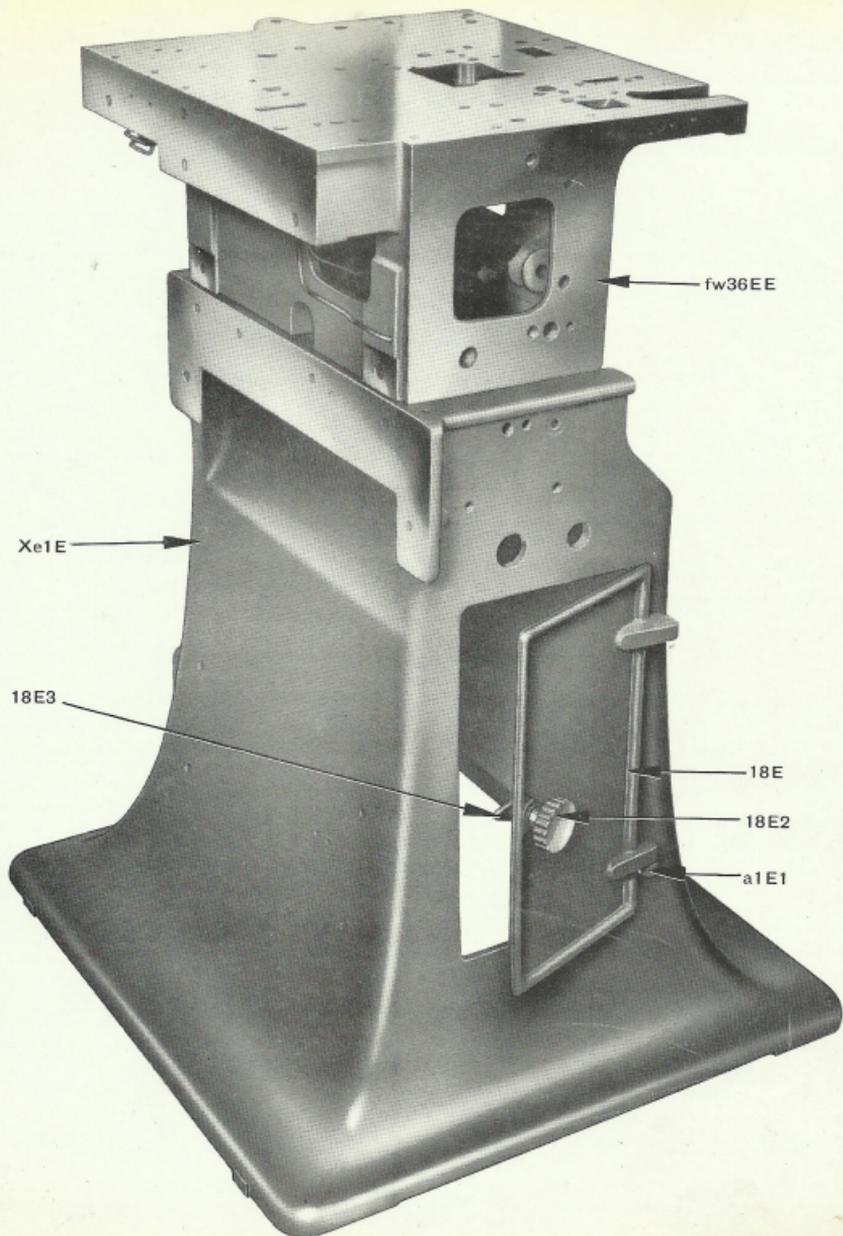
||36E235 assd. consists of 36E235, 36E354

¶Composition Casters numbered 22001 to
22286 inclusive were equipped with these
parts

**Composition Casters numbered 22001 to
24129 inclusive were equipped with these
parts

††Composition Casters numbered 22856 to
24297 inclusive, incorporating facilities
for fitting Dual Type and Duplex Mould
Attachments were equipped with these
parts

‡‡Can be fitted only at Workshops



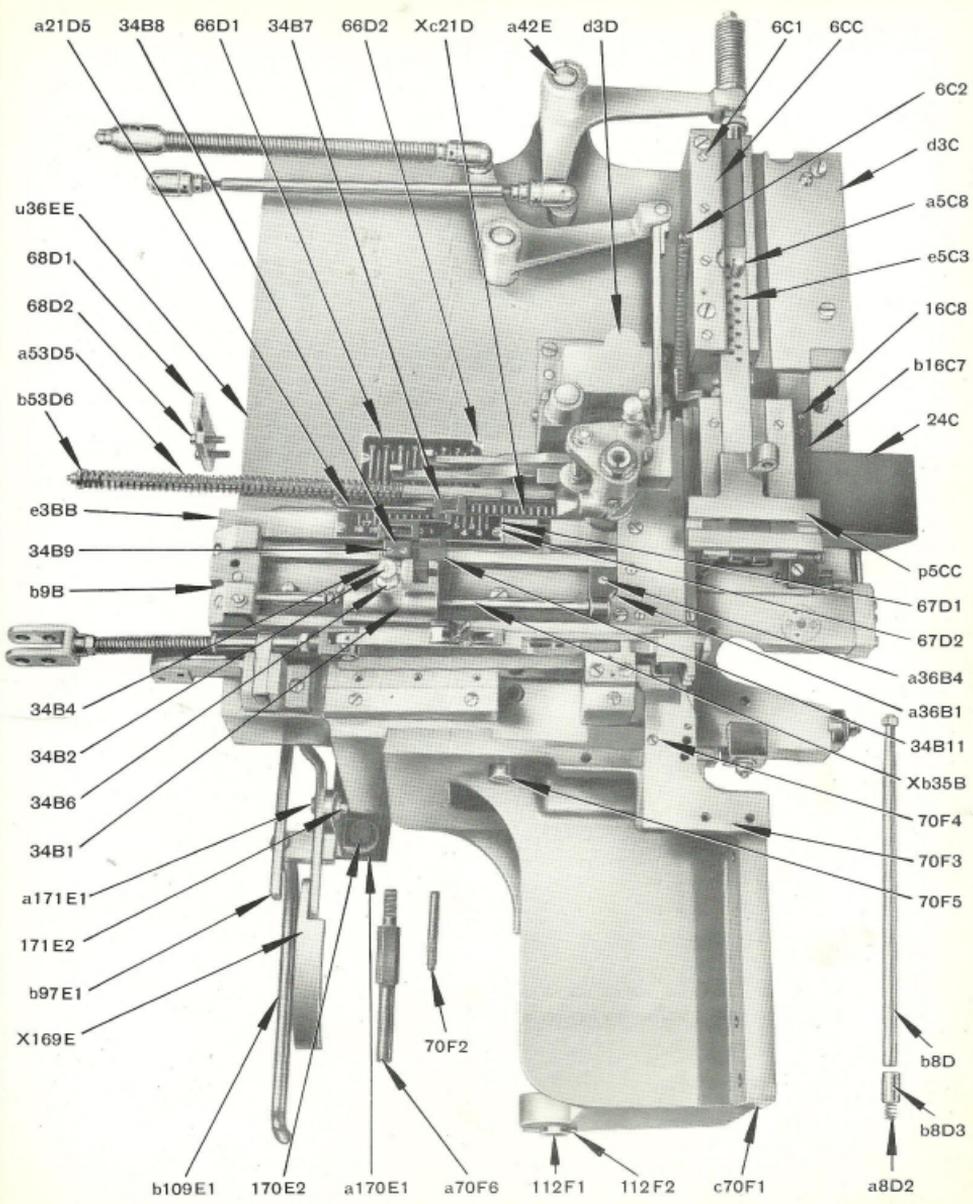


Plate 29

8E	Cam Lever Shaft , rear	24E5 ^d	Roller, 4th repair, .063" oversize	67E	Pump Cam Lever (Not supplied separately, order X67E)
8E1	Split Pin, 1" x 1/8"	24E6	Roller Pin	67E1*	Bush (2)
a8E2	Set Screw	a24E7	Adjusting Screw	67E2	Bush Pin (2)
8E3	Washer	a24E8	Adjusting Screw Lock Nut	67E3	Roller
X8E	Cam Lever Shaft, rear, group; consists of 8E, 8E1, a8E2, 8E3	Xa24E	Jaw Tongs Cam Lever group; consists of a24E1, 24E2(2), a24E7 and 8	67E3r	Roller, 1st repair, .016" oversize
			*a24E1 consists of a24E, 24E3(2), 24E4(2), 24E5 and 6	67E3r2	Roller, 2nd repair, .031" oversize
			†Can be fitted only at Workshops	67E3r3	Roller, 3rd repair, .047" oversize
				67E3r4	Roller, 4th repair, .063" oversize
				67E4	Roller Pin
				X67E	Pump Cam Lever group; consists of 67E, 67E1(2), 67E2(2), 67E3 and 6
					*Can be fitted only at Workshops
11E	Camshaft , driven			69E	Transfer Wedge Cam , driving (marked C in circle) (Not supplied separately, order Xa69E)
11E2	Distance Ring, for Locking Bar Cam	c34E*	Locking Bar Cam Lever	a69E	Transfer Wedge Cam, driven (marked C in square) (Not supplied separately, order Xa69E)
		b34E1†	Bush (2)	a69E1	Transfer Wedge Cam group; consists of a69E, a69E1
		b34E2	Bush Pin (2)		*Can be fitted only at Workshops
		b34E3	Roller	70E	Transfer Wedge Cam Lever
		b34E3r1	Roller, 1st repair, .016" oversize	70E*	Bush (2)
		b34E3r2	Roller, 2nd repair, .031" oversize	70E1†	Bush Pin (2)
		b34E3r3	Roller, 3rd repair, .047" oversize	70E2	Clamp Bolt, 3/8" x 1/4", hexagon
		b34E3r4	Roller, 4th repair, .063" oversize	70E4	Extension Adjusting Bolt, 1/2" x 2", hexagon
		34E4	Stud (for Locking Bar Operating Rod Head)	70E5	Extension Adjusting Bolt Lock Nut
		34E5	Stud Nut	70E6	Roller
		b34E6	Roller Pin	70E6r1	Roller, 1st repair, .016" oversize
		a34E7	Oil Pipe	70E6r2	Roller, 2nd repair, .031" oversize
		Xc34E	Locking Bar Cam Lever group; consists of c34E1, 34E4 and 5	70E6r3	Roller, 3rd repair, .047" oversize
			*c34E1 consists of c34E, b34E1(2), b34E2(2), b34E3, b34E6, a34E7	70E6r4	Roller, 4th repair, .063" oversize
			†Can be fitted only at Workshops	70E7	Roller Pin
				X70E	Transfer Wedge Cam Lever group; consists of 70E1, 70E3, 4 and 5
					*70E1 consists of 70E, 70E1(2), 70E2(2), 70E6 and 7
					†Can be fitted only at Workshops
				71E	Type Carrier Cam , driving (marked A in circle) (Not supplied separately, order Xa71E)
				a71E	Type Carrier Cam, driven (marked A in square) (Not supplied separately, order Xa71E)
					*Can be fitted only at Workshops
				72E	Type Carrier Cam Lever
				72E*	Type Carrier Cam Lever
				72E1†	Bush (2)
				72E2	Bush Pin (2)
				72E3	Clamp Bolt, 3/8" x 1/4", hexagon
				a72E4	Extension Adjusting Bolt, 1/2" x 2", hexagon
				72E5	Extension Adjusting Bolt Lock Nut
				72E6	Roller
				72E7r1	Roller, 1st repair, .016" oversize
				72E7r2	Roller, 2nd repair, .031" oversize
				72E7r3	Roller, 3rd repair, .047" oversize
				72E7r4	Roller, 4th repair, .063" oversize
				72E8	Roller Pin
				Xa72E	Type Carrier Cam Lever group; consists of 72E1, 72E3, a72E4, 72E5 and 6
					*72E1 consists of 72E, 72E1(2), 72E2(2), 72E7 and 8
					†Can be fitted only at Workshops
				75E	Type Pusher Cam , driving (marked H in circle) (Not supplied separately, order Xa75E)
				a75E	Type Pusher Cam, driven (marked H in square) (Not supplied separately, order Xa75E)
				b75E2	Latch
				a75E3	Latch Split Pin, 1/2" x 1/4"
				a75E4	Latch Spring
				a75E5	Latch Washer
				a75E6	Latch Spring Pin
				Xa75E*	Type Pusher Cam group; consists of a75E, a75E1, b75E2, a75E3 and 6 inclusive
					*Can be fitted only at Workshops
				76E	Type Pusher Cam Lever (Not supplied separately, order X76E)
				76E	Type Pusher Cam Lever

- 76E1 Ball Extension
 76E2⁺ Bush (2)
 76E3 Bush Pin (2)
 76E4 Roller
 76E4r1 Roller, 1st repair, .016" oversize
 76E4r2 Roller, 2nd repair, .031" oversize
 76E4r3 Roller, 3rd repair, .047" oversize
 76E4r4 Roller, 4th repair, .063" oversize
 76E5 Roller Pin
 X76E Type Pusher Cam Lever group; consists of
 76E, 76E1, 76E2(2), 76E3(2), 76E4 and 5
 *Can be fitted only at Workshops

86E

- r86E⁺ Locking Bar Cam (marked L3 in circle)
 *Can be fitted only at Workshops

113E

- 113E1 Oil Guard

114E

- a114E1 Oil Pan

115E

- a115E1E⁺ Oil Pan Shelf
 115E2 Bracket, front
 115E3 Bracket, rear
 a115E6 Link (4)
 a115E7 Link Fulcrum Pin, upper (4)
 a115E8 Link Fulcrum Pin Washer (4)
 a115E9 Link Fulcrum Stud, lower (4)
 115E10 Link Fulcrum Stud Nut (4)
 a115E12 Stop Pin (2)
 X115E Oil Pan Shelf group; consists of a115E1E,
 115E2 and 3, a115E9(4), 115E10(4)
 *a115E1E consists of a115E1, a115E6(4),
 a115E7(4), a115E8(4), a115E12(2)

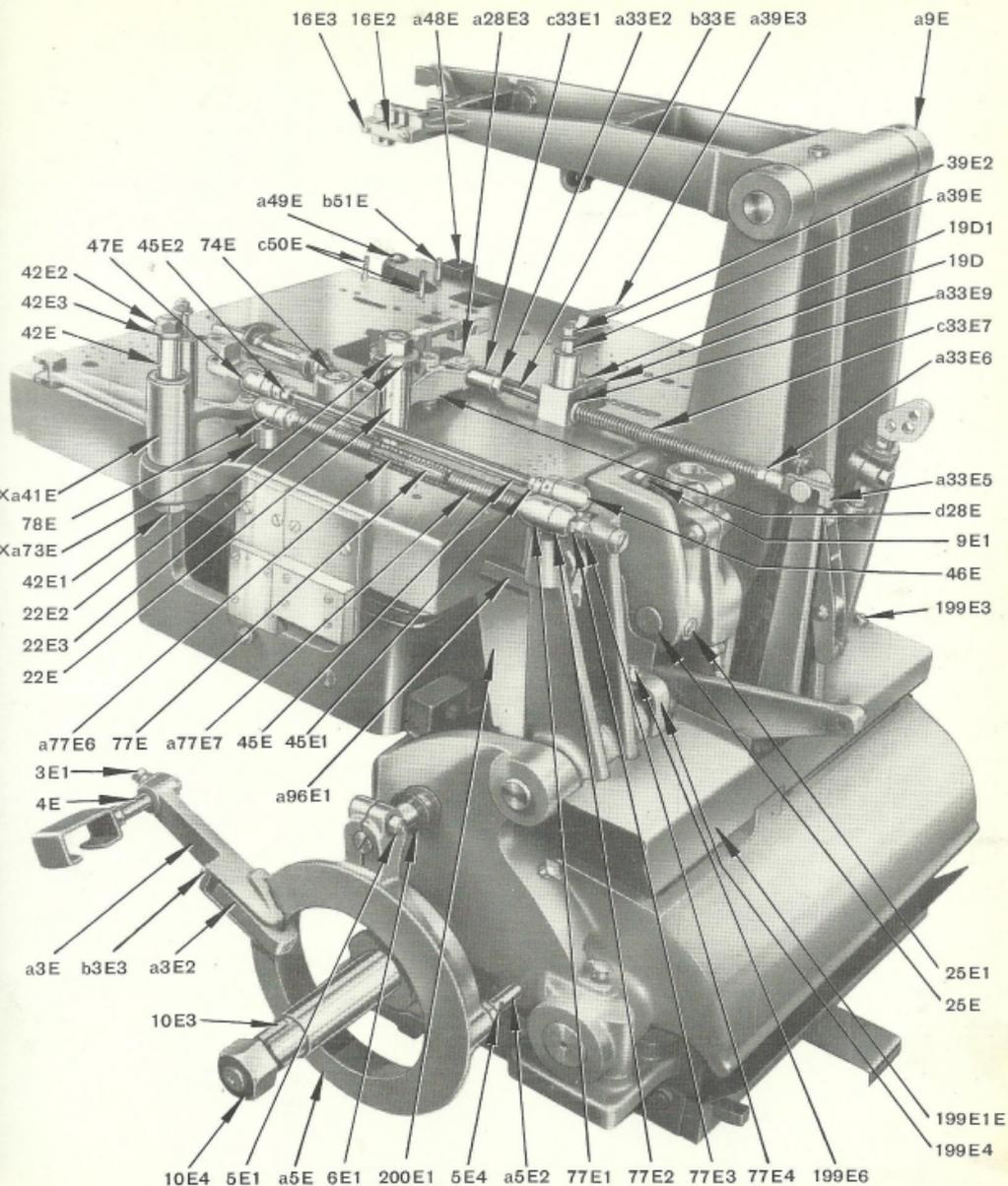
116E

- 116E1 Oil Pan Shelf Bracket Bolt (8), $\frac{3}{8}$ " x $1\frac{1}{2}$ "

168E

- 168E1 Cam Shaft Stand Packing Piece (2)

19D	19D	<i>Xb32E</i>	Locking Bar Bell Crank Stud group; consists of b32E, b32E1	<i>a49E3</i> <i>X49E</i>	Stud Nut Mould Clamp, side, group; consists of a49E, a49E1, 49E2, a49E3
19D1	Justification Wedge Stop Block				
<i>X19D</i>	Screw, 1" x 11", to Main Stand Justification Wedge Stop Block group; consists of 19D, 19D1				
a3E	3E	b33E	33E		50E
<i>b3E</i>	Belt Shifter Arm, rear Belt Shifter Arm, rear, for display type casting (see Plate 37)	b33E1 a33E2 a33E- a33E6 c33E7 a33E9	Locking Bar Operating Rod Eye Lock Nut Hook Hook Lock Nut, left hand Spring Spring Washer	c50E c50E1	Mould Screw, long (2) Mould Screw (3), Lead and Ret Attachment (see Plate 39)
3E1	Set Screw, $\frac{3}{8}$ " x $\frac{1}{4}$ ", hexagon	<i>Xd33E</i>	Locking Bar Operating Rod group; consists of b33E, c33E1, a33E2, a33E5 and 6, c33E7, a33E9		51E
a3E2	Clamp				Mould Screw, short
<i>b3E2</i>	Clamp, for display type casting (see Plate 37)				
b3E3	Clamp Screw, $\frac{3}{8}$ " x $\frac{1}{4}$ "				
<i>Xa3E</i>	Belt Shifter Arm, rear, group; consists of a3E, 3E1, a3E2, b3E3	a39E	39E		73E
<i>Xb3E</i>	Belt Shifter Arm, rear, for display type casting, group; consists of b3E, 3E1, b3E2 and 3	39E1 39E2 a39E3	Matrix Jaw Tongs Stud, front Nut, lower Nut, upper Arm, for Winding Spool Operating Spring	a73E 73E1 Xa73E	Type Pusher Bell Crank (Not supplied separately, order Xa73E) Ball Stud Type Pusher Bell Crank group; consists of a73E, 73E1
	4E	<i>Xa39E</i>	Matrix Jaw Tongs Stud, front, group; consists of a39E, 39E1 and 2, a39E3		
4E	Belt Shifter Eye				74E
	5E	40E	40E		Type Pusher Bell Crank Fulcrum Stud Nut
a5E	Belt Shifter Ring	40E1	Matrix Jaw Tongs Stud, rear Nut, lower Nut, upper Washer	74E 74E1 X74E	Type Pusher Bell Crank Fulcrum Stud group; consists of 74E, 74E1
b5E	Belt Shifter Ring, for display type casting (see Plate 37)	40E2 40E3 X40E	Washer		
5E1	Clamp Screw				77E
a5E2	Guide Pin				Type Pusher Connecting Rod
5E4	Guide Pin Lock Nut				Ball Socket, long, Cam Lever End Ball Socket, short, Cam Lever End Ball Socket Nut Ball Socket Nut Lock Nut Spring, inside Spring, outside
<i>Xa5E</i>	Belt Shifter Ring group; consists of a5E, 5E1, a5E2, 5E4				Type Pusher Connecting Rod group; consists of 77E, 77E1 to 4 inclusive, a77E6 and 7
<i>Xb5E</i>	Belt Shifter Ring, for display type casting, group; consists of b5E, a5E2, 5E4	a41E	41E		
	6E	41E1	Mould Blade Bell Crank (Not supplied separately, order Xa41E)	77E 77E1 77E2 77E3 77E4 a77E6 a77E7 X77E	
6E1	Belt Shifter Ring Rod Washer	<i>Xa41E</i>	Mould Blade Bell Crank group; consists of a41E, 41E1		
	9E	42E	42E		78E
a9E	Cam Lever Shaft Stand	a42E	Mould Blade Bell Crank Stud Mould Blade Bell Crank Stud, Type and Rule Caster (see Plate 29)	78E1 a78E2 X78E	Type Pusher Connecting Rod Ball Socket, Bell Crank end, Lock Nut Plug
a9E1	Cam Lever Shaft Stand, Leading Attachment	42E1 42E2 42E3	Nut, lower Nut, upper Washer		Type Pusher Connecting Rod Ball Socket, Bell Crank end, group; consists of 78E, 78E1, a78E2
a9E2	Cam Lever Shaft Stand, Mathematical Attachment	<i>Xa42E</i>	Mould Blade Bell Crank Stud group; consists of 42E, 42E1, 2 and 3		
9E3	Bolt (4), $\frac{3}{8}$ " x $\frac{1}{4}$ ", hexagon				
9E1	Make-up Washer (2), for Bracket, Mathematical Attachment (see Plate 59)				
<i>Xa9E</i>	Cam Lever Shaft Stand group; consists of a9E, 9E1(4)				
<i>Xb9E</i>	Cam Lever Shaft Stand, Leading Attachment, group; consists of b9E, 9E1(4)	45E	45E		96E
	10E	45E1	Mould Blade Connecting Rod Lock Nut, right hand Lock Nut, left hand	a96E1 96E2 96E3 X96E	Mould Blade Cam Lever Compound Lever Abutment Nut Washer Mould Blade Cam Lever Compound Lever Abutment group; consists of a96E1, 96E2 and 3
10E3	Camshaft, driving Key for Pulley Nut, for Pulley	45E2 X45E	Mould Blade Connecting Rod group; consists of 45E, 45E1 and 2		
10E4					199E
	16E	46E	46E		Oil Splash Guard, large
16E2	Centring Pin Lever Plate, for Justification Wedge Lever Arm Rod and Transfer Wedge Shifter Lever Arm Rod		Mould Blade Connecting Rod Ball Socket, on Mould Blade Cam Lever Compound Lever; consists of 46E, 46E1 and 2	199E1E* 199E2 199E3 199E4 199E6	Distance Collar Screw, for Camshaft Stand Cap Support Support Screw, to Cam Lever Shaft, rear, Set Screw Support Screw Washer
16E3	Plate Screw (2), $\frac{3}{8}$ " x $\frac{3}{8}$ "	46E1 46E2 X46E	Lock Nut Plug	199E7 X199E	Oil Splash Guard and large group; consists of 199E1E, 199E3, 199E6 and 7 *199E1E consists of 199E1 and 2, 199E4
	22E	47E	47E		200E
22E	Jaw Tongs Bell Crank Fulcrum Stud Nut, lower Nut, upper Washer		Mould Blade Connecting Rod Ball Socket, on Mould Blade Bell Crank Ball Stud Lock Nut Plug, left hand	200E1 a200E1 b200E1 c200E1 200E2 X200E4 200E3 X200E	Oil Splash Guard, small Oil Splash Guard, small, Leading Attachment Oil Splash Guard, small, Quadding and Centring Attachment
<i>X22E</i>	Jaw Tongs Bell Crank Fulcrum Stud group; consists of 22E, 22E1, 2 and 3	47E1 47E2 X47E	Mould Blade Connecting Rod Ball Socket, on Mould Blade Bell Crank Ball Stud, group; consists of 47E, 47E1 and 2		Oil Splash Guard, small, Leading and Quadding and Centring Attachments Screw (1 of 2), $\frac{3}{8}$ " x $\frac{1}{4}$ ", to Main Stand Screw, to Main Stand, also Hook, for Pin Wrench Screw Lock Nut
	25E	a48E a48E1 a48E2 a48E3 Xa48E	48E		Oil Splash Guard, small, Type and Rule Caster group; consists of 200E1, 200E2(2)
25E	Jaw Tongs Cam Lever Shaft Set Screw		Mould Clamp, front Stud Stud Washer Stud Nut	Xd200E X(200E)	Oil Splash Guard, small, group; consists of 200E1 and 2, 200E4 and 5
<i>X25E</i>	Jaw Tongs Cam Lever Shaft group; consists of 25E, 25E1		Mould Clamp, front, group; consists of a48E, a48E1, 48E2, a48E3		Oil Splash Guard, small, Quadding and Centring Attachment, group; consists of b200E1, 200E2, 200E4 and 5
d28E	28E	a49E a49E1 a49E2	49E		Oil Splash Guard, small, Leading and Quadding and Centring Attachments, group; consists of c200E1, 200E2, 200E4 and 5
a28E3	Locking Bar Bell Crank, lower Pin (3)		Mould Clamp, side Stud Stud Washer	Xg200E	
<i>Xa28E</i>	Locking Bar Bell Crank, lower, group; consists of d28E, a28E3(3)				
	32E				
a32E	Locking Bar Bell Crank Stud				
a32E1	Nut				



2E
 2E Belt Shifter Arm, front
 2E1 Clamp Screw, $\frac{1}{2} \times 1\frac{1}{2}$ "
 2E2 Belt Shifter Arm, front, group: consists of 2E, 2E1

6E
 6E Belt Shifter Ring Rod
 6E1 Belt Shifter Ring Rod, for display type casting (see Plate 36)
 6E2 Washer (see Plate 13)
 6E3 Spring
 6E4 Nut, for display type casting (see Plate 36)
 6E5 Belt Shifter Ring Rod group: consists of 6E, 6E1 and 2
 6E6 Belt Shifter Ring Rod, for display type casting, group: consists of 6E, 6E1 and 2, 6E4

7E
 7E Cam Lever Shaft, front

10E
 10E* Camshaft, driving
 10E1 Cam Key
 10E2 Distance Ring, replaces Locking Bar Cam, Type and Rule Caster
 10E3 Key, for Pulley (see Plate 13)
 10E4 Nut, for Pulley (see Plate 13)
 10E5 Gear, graduated
 b10E3 Gear
 10E6 Distance Ring, replaces Transfer Wedge Cam, driving, Type and Rule Caster
 a10E8 Distance Ring, replaces Jaw Tong Cam, driving and Air Tower Cam, driving, Type and Rule Caster
 10E9 Sleeve, Variable Speed Cone Drive Attachment (see Plate 36)
 10E10 Sleeve Key, for Clutch, Variable Speed Cone Drive Attachment (see Plate 36)
 10E11 Sleeve Key Screw, $\frac{1}{2} \times \frac{11}{16}$, countersunk
 10E12 Variable Speed Cone Drive Attachment Washer, Variable Speed Cone Drive Attachment (see Plate 36)
 X10E1 Camshaft, driving, group: consists of 10E, 10E1 and 5
 X10E2 Camshaft, driving, Type and Rule Caster, group: consists of 10E, 10E1, 10E4 and 5, a10E7 and 8
 X10E3 Camshaft, driving, Variable Speed Cone Drive Attachment, group: consists of 10E, 10E4 and 5, 10E9E, 10E12
 Xg10E1 Camshaft, driving, group: consists of 10E, 10E4, b10E5
 Xh10E1 Camshaft, driving, Type and Rule Caster, group: consists of 10E, 10E2, 10E4, b10E5, a10E7 and 8
 *10E consists of 10E, 10E1, 10E3, 10E4
 *10E9E consists of 10E9, 10 and 11
 †Composition Casters numbered 22001 to 26759 inclusive were equipped with these parts
 ‡Type and Rule Casters numbered 1240 to 1427 inclusive were equipped with these parts
 †Can be fitted only at Workshops

11E
 11E* Camshaft, driven
 11E1 Distance Ring, for Locking Bar Cam (see Plate 12)
 a11E3 Gear, graduated
 b11E3 Gear
 11E4 Gear Key
 a11E5 Distance Ring, replaces Transfer Wedge Cam, driving, Type and Rule Caster
 11E6 Distance Ring, replaces Jaw Tong Cam, driven, and Air Tower Cam, driven, Type and Rule Caster
 11E7 Camshaft, driven, group: consists of 11E, 11E1, a11E3
 Xb11E1 Camshaft, driven, Type and Rule Caster, group: consists of 11E, 11E2, a11E3, b11E5 and 6
 Xc11E1 Camshaft, driven, group: consists of 11E, 11E2, b11E3
 Xd11E1 Camshaft, driven, Type and Rule Caster, group: consists of 11E, 11E2, b11E3, b11E5 and 6
 *11E consists of 11E, 11E1, 11E4
 †Composition Casters numbered 25470 to 26759 inclusive were equipped with these parts
 ‡Type and Rule Casters numbered 1394 to 1427 inclusive were equipped with these parts
 †Can be fitted only at Workshops

12E
 12E Camshaft Stand
 12E1 Screw (4), $\frac{1}{2} \times 1\frac{1}{2}$ ", to Base
 12E13 Stand

16E
 16E Centring Pin Lever
 16E1 Screw (3), $\frac{1}{2} \times 1\frac{1}{2}$ "
 16E4 Stud, for Bridge Lever Connecting Link
 16E5 Stud Split Pin, $\frac{1}{2} \times \frac{3}{4}$ "
 16E6 Plate
 16E37 Stop Pin, for Bridge Lever Connecting Link

19E
 19E Gear Cover, front, top, Part 1
 †19E ass'd* Gear Cover, front, assembled
 †19E Gear Cover, front, top, Part 1
 †19E ass'd † Gear Cover, front, Display Attachment, assembled
 †19E ass'd † Gear Cover, front, Type and Rule Caster, assembled
 19E1 Screw, lower, $1 \times \frac{1}{2}$ ", to Camshaft Stand
 19E2 Screw, upper, $1 \times 1\frac{1}{2}$ ", hexagon, through Cap for Wormshaft
 19E2E Screw, upper, $\frac{3}{4} \times 1\frac{1}{2}$ ", hexagon, through Cap for Wormshaft
 †19E4 Gear Cover, front, bottom
 †19E4E Gear Cover, front, bottom, display type casting (see Plate 37)
 g19E4 Gear Cover, front, bottom
 †19E4E Gear Cover, front, bottom, Display Attachment
 19E5 Plug
 19E6 Screw (6), $\frac{1}{2} \times \frac{3}{4}$ ", Gear Cover, front, bottom and Gear Cover, front, top, Part 2, to Gear Cover, front, top, Part 1
 19E7 Gear Cover, front, top, Part 2
 19E8 Blanking-off Plate
 19E9E Blanking-off Plate, Type and Rule Caster and Lead and Rule Attachment
 19E10 Blanking-off Plate Screw (2), $\frac{1}{2} \times \frac{3}{4}$ "
 19E11 Plug Clamping Screw, $1 \times \frac{1}{2}$ "
 19E12 Distance Collar
 19E13 Plug, upper, for Speed Indicator hole
 Xc19E1 Gear Cover, front, group: consists of 19E assembled, 19E1
 Xf19E2 Gear Cover, front, Display Attachment group: consists of 19E assembled, 19E1 and 2
 Xg19E2 Gear Cover, front, Type and Rule Caster group: consists of 19E assembled, 19E1 and 2
 Xh19E Gear Cover, front, group: consists of 19E, 19E1, 19E2, 19E4, 19E5, a19E6(a), 19E8, 19E11, 12 and 13
 Xj19E Gear Cover, front, group: Type and Rule Caster and Display Attachment group: consists of 19E, 19E1, a19E2, 19E4, a19E6(b), 19E8, 19E11, 12 and 13
 *19E assembled, consists of 19E, c19E4, 19E5, a19E6(b), 19E8 and 9, 19E10(2)
 †19E assembled, consists of 19E, 19E4, a19E6(b), 19E8 and 9, 19E10(2)
 †19E assembled, consists of 19E, 19E4, a19E6(b), 19E8 and 9, 19E10(2)
 †Attachments supplied on and after February 1959 and prior to 12th March 1963, were equipped with these parts
 †Composition Casters numbered 25470 to 26759 inclusive were equipped with these parts
 ‡Type and Rule Casters numbered 1394 to 1427 inclusive were equipped with these parts

20E
 20E Gear Verner (2), $1 \times \frac{1}{2}$ "
 X20E Gear Verner group: consists of 20E, 20E1(2)

53E
 53E Air Tower Cam Lever
 53E1 Bush (2)
 53E2 Bush Pin (2)
 53E3 Roller
 53E3r1 Roller, 1st repair, .016" oversize
 53E3r2 Roller, 2nd repair, .031" oversize
 53E3r3 Roller, 3rd repair, .047" oversize
 53E3r4 Roller, 4th repair, .063" oversize
 53E4 Roller Pin
 53E5 Stud
 53E6 Stud Nut
 X53E Air Tower Cam Lever group: consists of 53E, 53E5 and 6
 *53E consists of 53E, 53E1(2), 53E2(2), 53E3 and 4
 †Can be fitted only at Workshops

54E
 54E Air Tower Operating Rod
 54E1 Eye, lower
 54E2 Eye Lock Nut
 54E3 Yoke, upper
 54E4 Yoke Lock Nut, left hand
 Xa54E Air Tower Operating Rod group: consists of 54E, 54E1 and 2, a54E3, 54E4

64E
 64E Pulley, driving
 64E1 Pulley, driving, Variable Speed Cone Drive Attachment (Not supplied separately, order Xb64E)
 64E1* Clutch Pin (2), Variable Speed Cone Drive Attachment (see Plate 56)
 Xb64E Pulley, driving, Variable Speed Cone Drive Attachment, group: consists of 64E, 64E1(2) (see Plate 56)
 *Can be fitted only at Workshops

65E
 65E Pulley, loose (Not supplied separately, order Xc65E)
 65E3 Pin
 Xc65E Pulley, loose, group: consists of 65E, 65E3

68E
 68E Pump Cam Lever Connecting Rod
 68E1 Yoke, left hand
 68E2 Yoke Lock Nut
 68E3 Yoke, right hand
 68E4 Yoke Lock Nut
 68E5 Yoke Pin (2)
 68E6 Yoke Pin (4), $\frac{3}{8} \times \frac{3}{4}$ "
 X68E Pump Cam Lever Connecting Rod group: consists of 68E, 68E1 to 4 inclusive, 68E5(2), 68E6(4)

80E
 80E Worm Shaft
 80E1 Gear
 80E2 Handwheel
 80E2H Handwheel Key, for Worm
 80E3 Key, for Gear and Handwheel
 80E4 Nut
 80E6 Worm
 80E7 Collar
 80E13 Collar, in place of Worm, Type and Rule Caster
 80E24 Handwheel Cover
 80E25 Handwheel Cover Washer (3), Polythene
 80E26* Worm Shaft group: consists of 80E, b80E1, b80E2, 80E3, d80E4(2), 80E5 and 6, b80E7
 X80E7 Worm Shaft, Type and Rule Caster, group: consists of 80E, b80E1, 80E2, d80E4(2), 80E5, b80E7, a80E13
 *Composition Casters numbered 22001 to 26759 inclusive, Type and Rule Casters numbered 1240 to 1427 inclusive were equipped with these parts
 †Can be fitted only at Workshops

22H
 22H Pump Bell Crank Connecting Rod
 22H1 Yoke
 22H2 Yoke Lock Nut
 22H3 Yoke, left hand
 22H4 Yoke Lock Nut
 22H5 Yoke Pin (2)
 22H6 Yoke Pin Split Pin (4), $\frac{1}{2} \times \frac{3}{4}$ "
 X22H Pump Bell Crank Connecting Rod group: consists of 22H, 22H1 to 4 inclusive, 22H5(2), 22H6(4)

33H
 33H Pump Rocker Arm
 a33H Latch
 33H2 Latch Pin
 33H3 Latch Pin Split Pin (2), $\frac{1}{2} \times \frac{3}{4}$ "
 33H4 Plunger
 33H5 Plunger Spring
 33H7 Stud
 33H8 Plug
 Xa33H Pump Rocker Arm group: consists of a33H, a33H2, 33H2, 33H3(2), a33H4, a33H6, 33H7, a33H8

34H
 34H Pump Operating Lever
 34H1 Clamp Bolt, $\frac{1}{2} \times 1\frac{1}{2}$ ", hexagon
 X34H Pump Operating Lever, group: consists of 34H, 34H1

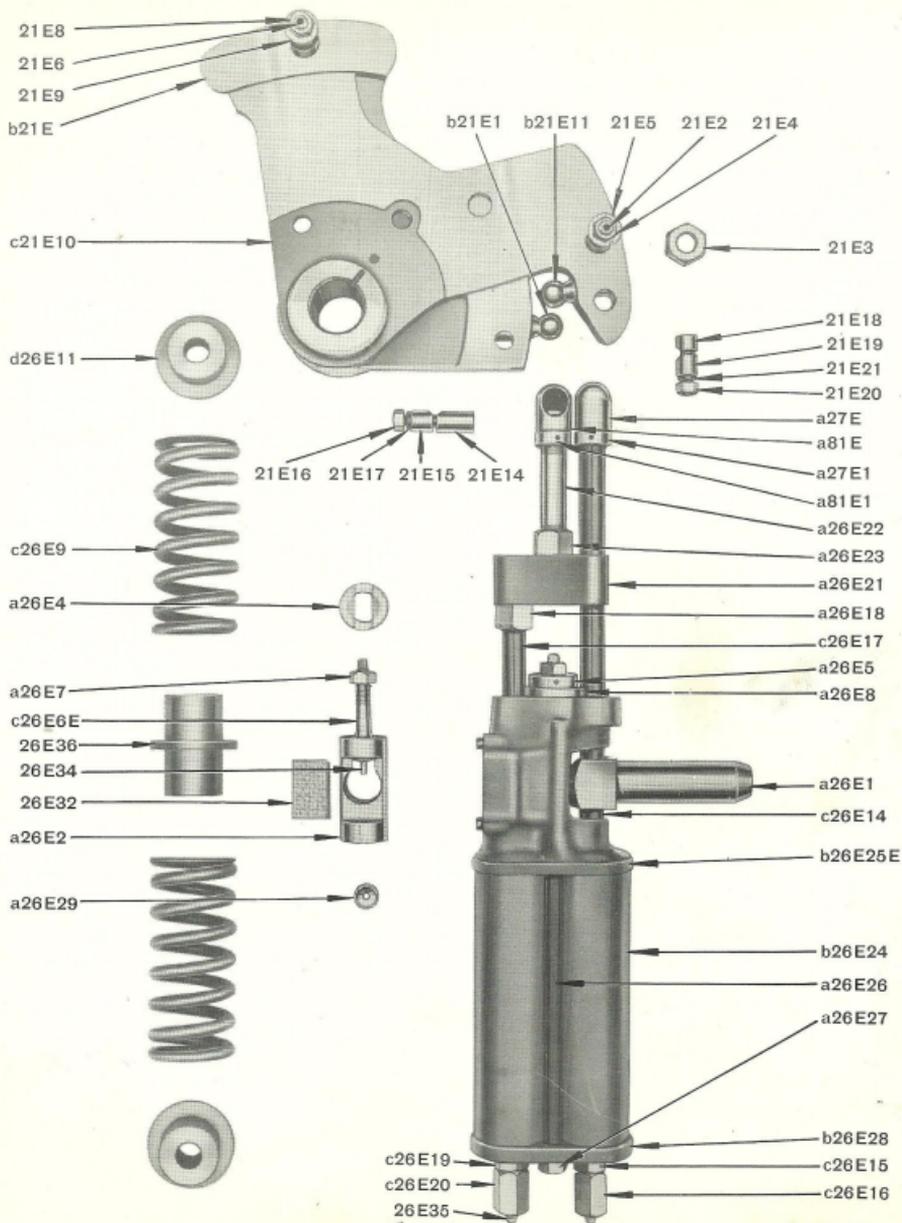


Plate 15

26E

Jaw Tongs Spring Box, double
Tube Cap Cover, for Oil Box
Tube Cap Cover Screw (2), ㄆ* × ㄆ*,
to Cap

26E30
26E31

37E

Matrix Jaw Tongs, front

a37E1* Connecting Link
a37E2* Connecting Link Pin (2)
a37E4* Lever, lower (2)
b37E5* Lever Distance Piece (2)
37E6* Link, centre (2)
37E7* Link Pin (2)
b37E8* Lever, upper (2)
a37E9* Fulcrum Pin (2)
a37E10* Fulcrum Pin Ring (2)
b37E11 Lock Slide (2)
b37E12 Lock Slide Spring (2)
Xb37E Matrix Jaw Tongs, front, group; consists of a37E1, a37E2(2), a37E4(2), a37E5(2), 37E6(2), 37E7(2), b37E8(2), a37E9(2), a37E10(2), b37E11(2), b37E12(2)

*These parts of the Tongs are not supplied separately, but loan Tongs can be supplied while customers' worn Tongs are being repaired

38E

Matrix Jaw Tongs, rear

b38E1* Connecting Link
38E2* Connecting Link Pin (2)
b38E7* Lever, lower (2)
b38E8* Lever Distance Piece (2)
38E9* Link, centre (2)
38E10* Link Pin, centre (2)
d38E11* Lever, upper (2)
a38E13* Fulcrum Pin (2)
a38E14* Fulcrum Pin Ring (2)
b38E15 Lock Slide (2)
b38E16 Lock Slide Spring (2)
Xc38E Matrix Jaw Tongs, rear, group; consists of b38E1, 38E2(2), b38E7(2), b38E8(2), 38E9(2), 38E10(2), d38E11(2), a38E13(2), a38E14(2), b38E15(2), b38E16(2)

*These parts of the Tongs are not supplied separately, but loan Tongs can be supplied while customers' worn Tongs are being repaired

55E

Pin Jaw Tongs, front

a55E11 Lever Connecting Yoke, right hand thread
a55E21 Lever Connecting Yoke, left hand thread
a55E3E* Lever, left
b55E4E1 Lever, right, Part 1
55E5 Lever Bush, end (2)
55E6 Lever Bush Washer, end (2)
55E7 Lever Bush, centre
55E8 Lever Bush Washer, centre
55E9 Lever Link, upper
55E10 Lever Link, lower
55E11 Lever Link Fulcrum Pin
55E12 Lever Link Bush
55E13 Lever Pos. for Pin Jaw Tongs Spring Connecting Link, long, front

a55E14 Lever Connecting Yoke Pin
a55E15 Adjusting Stud
a55E15 ass'd. Adjusting Stud, assembled
a55E16 Adjusting Stud Lock Nut, right hand
a55E17 Adjusting Stud Lock Nut, left hand
a55E20E8 Lever, right, Part 2
55E21 Lever Fulcrum Screw
55E22 Lever Fulcrum Screw Nut
55E23 Lever Fulcrum Screw Washer
a55E24 Lever Plunger
55E25 Lever Plunger Housing
a55E26 Lever Plunger Spring
55E27 Lever Plunger Housing Washer
55E28 Lever Bush, centre
55E29 Lever Bush Washer, centre
55E30 Lever Link, upper
55E31 Lever Connecting Yoke Pin
55E32 Lever Bush
55E33 Lever Bush Washer
55E34 Lever Bush, end
55E35 Lever Bush Washer, end
55E36 Lever Link, lower
55E37 Lever Link Bush
55E38 Lever Link Fulcrum Pin
Xc55E Pin Jaw Tongs, front, group; consists of a55E3E, b55E4E, a55E15 ass'd., b55E20E, 55E21, 22 and 23

*a55E3E consists of a55E1, a55E3, 55E5(2), 55E6(2), 55E7 to 13 inclusive, a55E14, b55E4E consists of b55E4, 55E32 and 33
†a55E15 ass'd. consists of a55E15, 16 and 17
‡b55E20E consists of a55E2, b55E20, a55E24, 55E25, a55E26, 55E27 to 31 inclusive, 55E34 to 38 inclusive

||These parts of the Tongs are not supplied separately, but loan Tongs can be supplied while customers' worn Tongs are being repaired

56E

Pin Jaw Tongs, rear

56E1* Connecting Yoke, right hand
56E2 Connecting Yoke, left hand
56E3 Connecting Yoke Adjusting Stud
56E3 ass'd.* Connecting Yoke Adjusting Stud, assembled
56E4 Connecting Yoke Adjusting Stud Lock Nut, right hand
56E5 Connecting Yoke Adjusting Stud Lock Nut, left hand
56E6 Connecting Yoke Pin (2)
a56E7 Lever, front
a56E8 Lever, rear
56E9 Lever Bush, end (4)
56E10 Lever Bush, centre (2)
56E11† Lever Bush Washer (4)
56E12† Lever Bush Washer (2)
56E13† Link, with oil hole (2)
56E14† Link Bush, Stud end (2)
56E15† Link Fulcrum Pin (2)
56E16† Link (lower link at centre of Pin Jaw Tongs Lever, rear)
56E17 Post. for Pin Jaw Tongs Spring Connecting Link, short, rear
Link, without oil hole
56E18† Pin Jaw Tongs, rear, group; consists of 56E1 and 2, a56E3 ass'd., 56E6(2), a56E7 and 8, 56E9(4), 56E10(2), 56E11(4),

56E12(2), 56E13(2), 56E14(2), 56E15(2), 56E16, 17 and 18

*56E3 ass'd. consists of 56E3, 4 and 5
†These parts of the Tongs are not supplied separately, but loan Tongs can be supplied while customers' worn Tongs are being repaired

57E

Pin Jaw Tongs Spring, inner

a57E1 Pin Jaw Tongs Spring, outer
57E2 Guide Tube
57E3 Guide Tube Eye
57E4 Guide Tube Nut
57E5 Guide Tube Spring Sleeve
57E6† Guide Rod
57E7† Guide Rod Spring Plate
37E8 Guide Rod Spring Plate
Xa57E Pin Jaw Tongs Spring group; consists of a57E, a57E1, 57E2 to 3 inclusive, 57E6E
*57E6E consists of 57E6, 7 and 8

58E

Pin Jaw Tongs Spring Bell Crank

58E1 Pin, for Spring Connecting Link
58E2 Pin, for Spring Guide Tube Eye
58E3 Pin Split Pin, 1/8" × 3/8"
Xa58E Pin Jaw Tongs Spring Bell Crank group; consists of a58E1, 58E3
*a58E2 consists of a58E, 58E1 and 2

59E

Pin Jaw Tongs Spring Bell Crank Stud

59E Nut, lower
59E2 Nut, upper
59E3 Washer
X59E Pin Jaw Tongs Spring Bell Crank Stud group; consists of 59E, 59E1, 2 and 3

60E

Pin Jaw Tongs Spring Connecting Link, long, front

60E

61E

Pin Jaw Tongs Spring Connecting Link, short, rear

61E

62E

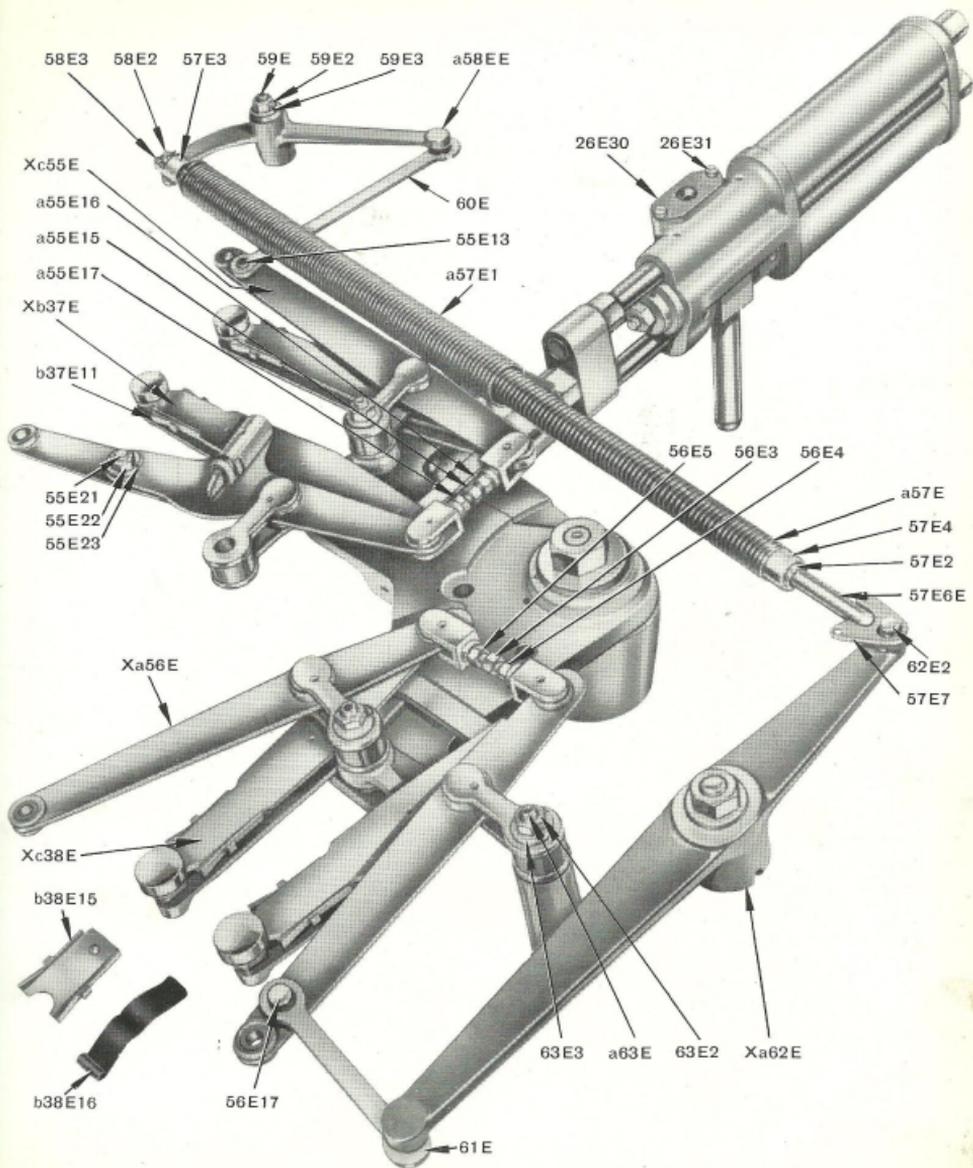
Pin Jaw Tongs Spring Lever (Not supplied separately, order Xa62E)

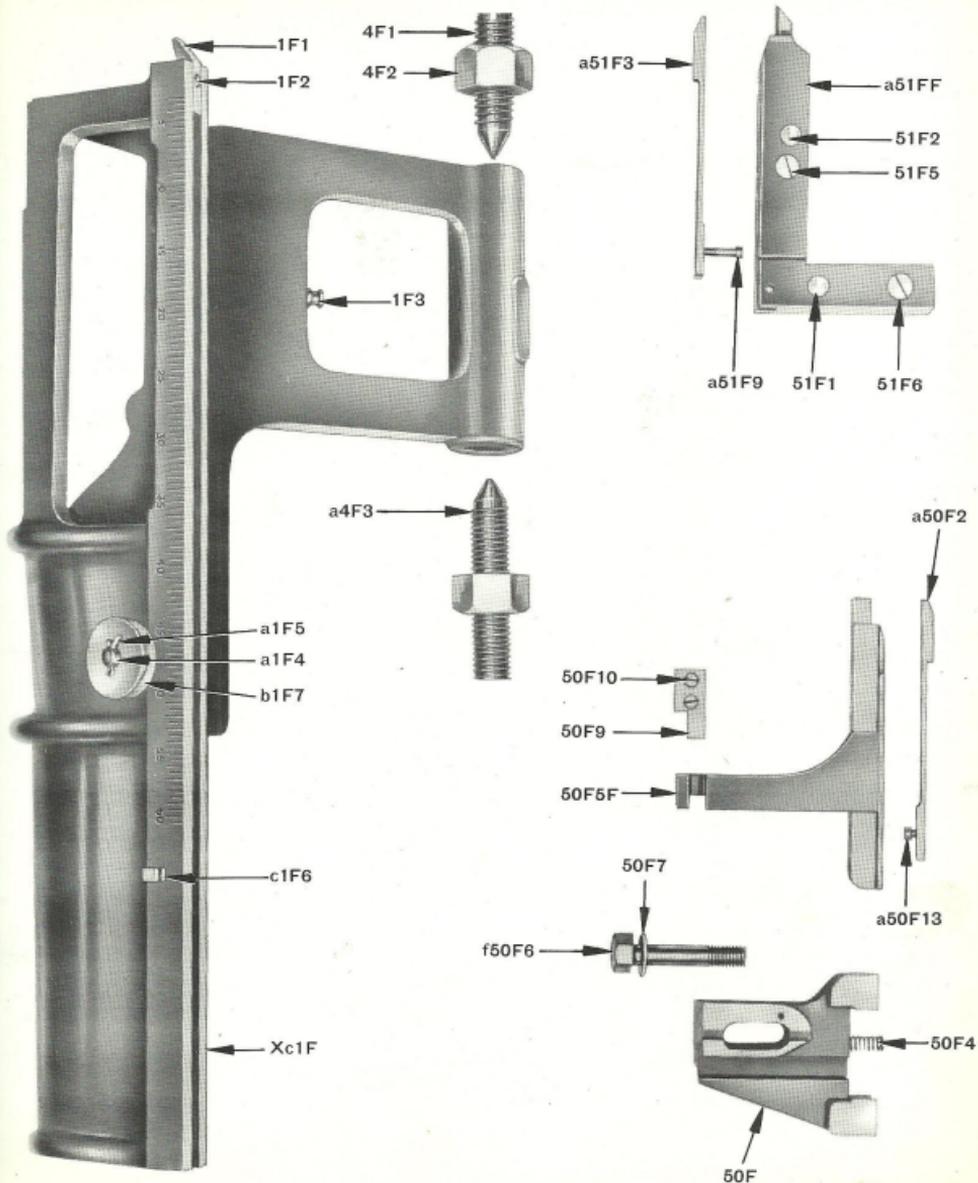
a62E Pin, for Connecting Link
62E1 Pin, for Guide Rod Spring Plate
62E2 Pin Jaw Tongs Spring Lever group; consists of a62E, 62E1 and 2

63E

Pin Jaw Tongs Stud, rear

a63E Nut, lower
63E1 Nut, upper
63E2 Washer
Xa63E Pin Jaw Tongs Stud, rear, group; consists of a63E, 63E1, 2 and 3





2F
a2F Column Pusher Adjusting Cam, point (Not supplied separately, order Xa2F)
b2F Column Pusher Adjusting Cam, didot (Not supplied separately, order Xb2F)
a2F1* Disc (see Plate 19)
b2F1* Disc, Reverse Delivery Attachment (see Plate 46)
2F2 Disc Pin (see Plate 19)
2F3 Disc Taper Pin
Xa2F Column Pusher Adjusting Cam, point, group; consists of a2F, a2F1, 2F2 and 3
Xb2F Column Pusher Adjusting Cam, didot, group; consists of b2F, a2F1, 2F2 and 3
 *Can be fitted only at Workshops

3F
a3FF* Column Pusher Adjusting Cam Stand
a3F1 Spring
a3F2 Stud
a3F3 Stud Nut (2)
Xa3F Column Pusher Adjusting Cam Stand group; consists of a3F1, a3F2(2)
 *a3FF consists of a3F, a3F1 and 2

15F
15F3 Galley Cam Shaft
 Worm Wheel
15F4 Worm Wheel Oil Pan

16F
16F1 Galley Cam Stand
 Taper Pin, $\frac{3}{8} \times 1\frac{1}{2}$
 Screw (4), $\frac{3}{8} \times \frac{3}{4}$
16F2 Galley Cam Stand group; consists of 16F, 16F1, 16F2(4)
X16F

17F
a17F6 Galley Pan Shelf
 Wing Bolt (2)

18F
a18F Galley Pan Support
b18F Galley Pan Support, Reverse Delivery Attachment (see Plate 46)
c18F Galley Pan Support, Leading Attachment (see Plate 47)
a18F1 Bar (2)
18F2 Bevel Nut (3)
a18F3 Bevel Nut Wing Bolt (3)
18F4 Block for Galley Bar
18F5 Corner Block, rear, for Galley Pan
18F6 Corner Block, front, for Galley Pan
a18F7 Set Screw (2), $\frac{3}{8} \times 1$, Reverse Delivery Attachment
b18F7 Wing Bolt (2)
a18F8 Bevel Nut Wing Bolt Washer (3)
Xa18F Galley Pan Support group; consists of a18F, a18F1(2), 18F2(3), a18F3(3), 18F4, 5 and 6, b18F7(2), a18F8(3)
Xb18F Galley Pan Support, Reverse Delivery Attachment, group; consists of b18F, a18F1(2), 18F2(3), a18F3(3), 18F4, 5 and 6, a18F7(2), a18F8(3)

32F
b32F Operating Lever

33F
a33F7 Operating Lever Latch
 Shaft

34F
34F Operating Lever Latch Spring

35F
35F Operating Lever Latch Spring Post, in Main Galley Stand

36F
a36F Operating Lever Latch Stand
 Bolt (2), $\frac{3}{8} \times \frac{3}{4}$, hexagon
Xa36F Operating Lever Latch Stand group; consists of a36F, 36F1(2)

37F
37F Operating Lever Spring Box (Not supplied separately, order X37F)
a37FF* Operating Lever Spring Box, Display Attachment (see Plate 37)
b37F Operating Lever Spring Box, Variable Speed Cone Drive Attachment (Not supplied separately, order Xb37F)
37F1 Plunger (see Plate 37)
37F2 Plunger Stop Taper Pin (see Plate 37)
37F3 Plunger Spring
a37F3* Plunger Spring, Display Attachment Cam, Display Attachment (see Plate 37)
a37F3† Operating Lever Spring Box group; consists of 37F, 37F1, 2 and 3
X37F Operating Lever Spring Box, Display Attachment, group; consists of a37FF, 37F1, a37F3
Xb37F Operating Lever Spring Box, Variable Speed Cone Drive Attachment, group; consists of b37F, 37F1, 2 and 3 (see Plate 56)
 *a37FF consists of a37F, 37F2, a37F3
 †Can be fitted only at Workshops

39F
a39FF* Rule, Reverse Delivery Attachment (see Plate 46)
a39FF† Rule (see Plate 19)
a39F1 Rule, Leading Attachment (see Plate 47)
a39F2 Guide Pin (see Plate 19)
a39F3 Guide Pin, Leading Attachment (see Plate 47)
a39F4 Guide Pin Rivet (2)
39F5 Lifting Rod
a39F5 Lifting Rod, Reverse Delivery Attachment (see Plate 46)
b39F5 Lifting Rod, Leading Attachment (see Plate 47)
39F6 Lifting Rod Adjusting Nut
39F5 Lifting Rod Adjusting Nut Lock Nut
39F6 Lifting Rod Sleeve
a39F6 Lifting Rod Sleeve, Reverse Delivery Attachment (see Plate 46)
39F7 Lifting Rod Spring
a39F7 Lifting Rod Spring, Leading Attachment (see Plate 47)
39F8 Lifting Rod Support (Not supplied separately, order c39F8)
a39F8 Lifting Rod Support, Leading Attachment (Not supplied separately, order c39F8)
39F9 Lifting Rod Support Rivet (4)
39F10 Lifting Rod Washer, Composition Caster (2), Reverse Delivery and Leading Attachment (3)
a39F10† Lifting Rod Bracket, Reverse Delivery Attachment (see Plate 46)
a39F11 Lifting Rod Bracket Wing Bolt, Reverse Delivery Attachment (see Plate 46)
a39F12 Lifting Rod Bracket Wing Bolt Washer, Reverse Delivery Attachment (see Plate 46)
a39F13 Support, Reverse Delivery Attachment (see Plate 46)
a39F19 Support, Rivet (4), Reverse Delivery Attachment (see Plate 46)
39F22 Lifting Rod Bearing Bracket Screw (2), $1\frac{1}{2} \times \frac{3}{8}$, to Main Galley Stand, Leading Attachment (see Plate 48)
a39F24 Lifting Rod Bearing Bracket, Leading Attachment (see Plate 48)
39F25 Lifting Rod Bearing Bracket Bush, Leading Attachment (see Plate 48)
39F26 Lifting Rod Bearing Bracket Bush Nut, Leading Attachment (see Plate 48)
39F29 Lifting Rod Collar (This part is fitted to new Composition Casters which are equipped with Leading Attachment at Works, replaces Type Channel Plate Bush, 49F5, Dowels, 49F10(2), Screws, 49F11(2))

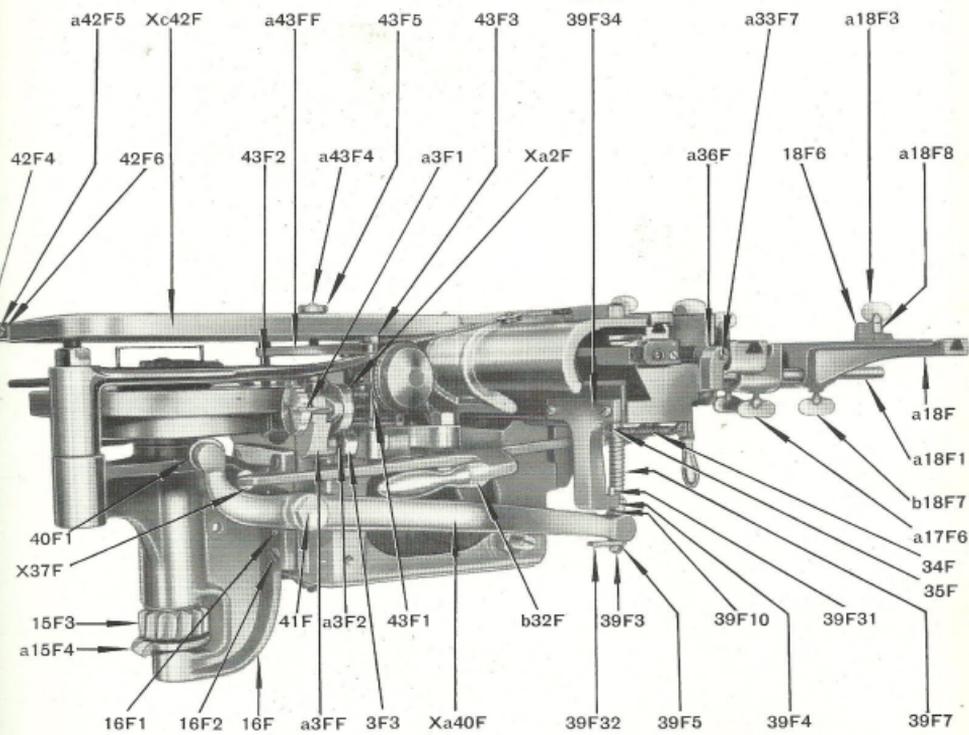
39F30 Lifting Rod Distance Piece, Overhung Type Attachment (see Plate 44)
39F31 Lifting Rod Stop Bracket Pin
39F32 Lifting Rod Stop Plate
39F33 Spring Clip, for Support, Lead and Rules, Leading Attachment (see Plate 47)
39F34 Lifting Rod Stop Bracket
Xa39F Rule, Reverse Delivery Attachment, group; consists of c39F1, a39F3, 39F4 and 5, a39F6, 39F7, 39F10(3), b39F14, a39F15 and 16
Xm39F Rule, Leading Attachment, group; consists of 39F1, 39F4, 5 and 6, a39F7, 39F10(3), 39F22(2), a39F24, 39F25 and 26, 39F31, 32 and 33
Xp39F Rule group; consists of c39F1, 39F4 to 7 (includes 39F10(2), 39F31 and 32, 39F34 *c39F1 consists of c39F, a39F18, a39F19(4) †c39F1 consists of c39F, a39F1, a39F2(2), 39F3, 39F8, 39F9(4)
 †c39F2 consists of b39F, a39F1, a39F2(2), b39F3, a39F8, 39F9(4)
 ‡Can be fitted only at Workshops

40F
Xa40F Rule Lever (Not supplied separately, order Xa40F)
c40F Rule Lever, Reverse Delivery Attachment (Not supplied separately, order Xc40F)
40F1 Cam Roller
40F3 Cam Roller Pin
40F4 Cam Roller Pin Nut
40F5 Cam Roller Pin Washer
Xa40F Rule Lever group; consists of a40F, 40F1, 40F3, 4 and 5
Xc40F Rule Lever, Reverse Delivery Attachment, group; consists of c40F, 40F1, 40F3, 4 and 5 (see Plate 46)

41F
41F Rule Lever Stud

42F
b42F Tool Tray, Reverse Delivery Composition, Reverse Delivery Attachment (see Plate 46)
c42F Tool Tray (Not supplied separately, order Xc42F)
d42F Tool Tray, English Composition, Reverse Delivery Attachment (Not supplied separately, order Xd42F)
42F2 Clamp Screw, Reverse Delivery Attachment (see Plate 46)
42F3 Clamp Screw Bevel Nut, Reverse Delivery Attachment (see Plate 46)
42F4 Catch, for Trip Lever
a42F5 Catch Pin
42F6 Catch Pin Spring Washer
b42F7 Tool Tray, Reverse Delivery Composition, Reverse Delivery Attachment, group; consists of b42F, 42F2 and 3
Xc42F Tool Tray group; consists of c42F, 42F4, 42F5, 42F6
Xd42F Tool Tray, English Composition, Reverse Delivery Attachment, group; consists of d42F, 42F4, a42F5, 42F6

43F
a43FF* Tool Tray Support Bar
43F1 Stud, long
a43F1 Stud, for Fulcrum Bar, Galley Trip (Sorts) Attachment (see Plate 44)
b43F1 Stud, long, Reverse Delivery Attachment (see Plate 45)
43F2 Stud, short
a43F2 Stud, short, Reverse Delivery Attachment (see Plate 45)
43F3 Stud Nut, Composition Caster (2), Reverse Delivery Attachment (4)
a43F3 Stud Nut, Galley Trip (Sorts) Attachment (see Plate 44)
a43F4 Post, for Tool Tray
43F5 Post Nut, knurled
43F6 Stud Washer, Galley Trip (Sorts) Attachment (see Plate 44)
Xa43F Tool Tray Support Bar group; consists of a43FF, 43F1 and 2, 43F2(2), 43F5
 *a43FF consists of a43F, a43F4



2F Column Pusher Adjusting Cam
 a2F1 Disc
 2F2 Disc Pin

5F Column Pusher Lever
 c19F1

6F Column Pusher Lever Stud
 6F Nut
 6F1 Washer
 36F Column Pusher Lever Stud, group; consists of 6F, 6F1 and 2

13F Galley Bar (Not supplied separately, order X13F)

a13F Galley Bar, Reverse Delivery Attachment (Not supplied separately, order Xa13F)

13F3 Galley Bar group; consists of 13F, 13F3
 X13F Galley Bar, Reverse Delivery Attachment, group; consists of a13F, 13F3 (see Plate 45)

14F Galley Cam
 c14FF* Galley Cam, Leading Attachment
 14F1a Driving Pawl
 14F2 Driving Pawl Pin
 14F3 Driving Pawl Fulcrum Stud
 14F4 Driving Pawl Fulcrum Stud Washer, lower
 14F5 Driving Pawl Spring
 14F6 Driving Pawl Spring Post
 14F7 Driving Pawl Stop Pin
 14F8 Sleeve
 a14F9 Driving Pawl Fulcrum Stud Washer, upper
 a14F10 Driving Pawl Fulcrum Stud Nut
 14F11 Pin, Valve Trip (2), Leading Attachment (see Plate 48)
 14F13 Plate, Cam for Valve, Leading Attachment (see Plate 48)
 14F14 Plate Screw (2), $\frac{1}{2} \times \frac{1}{2}$, countersunk, Leading Attachment (see Plate 48)

Xb14F Galley Cam group; consists of b14FF, 14F1F, 14F4, 5 and 6, 14F8, a14F9 and 10

Xc14F Galley Cam, Leading Attachment, group; consists of c14FF, 14F1F, 14F4, 5 and 6, 14F8, a14F9 and 10, 14F13, 14F14(2)

*b14FF consists of b14F, a14E3, a14E7
 *c14FF consists of c14F, a14E3, a14E7, 14F12(2)
 *14F1F consists of 14F1 and 2

15F Galley Cam Shaft
 15F1 Key (3)
 15F2 Ratchet
 15F3 Worm Wheel (see Plate 18)
 a15F4 Worm Wheel Oil Pan (see Plate 18)
 Xa15F Galley Cam Shaft group; consists of 15FF, 15F2 and 3, a15F4
 *15FF consists of 15F, 15F1(3)

17F Galley Fan Shelf, right, Reverse Delivery Attachment
 c17FF* Galley Fan Shelf
 17F1 Adjusting Bar for Galley Fan
 17F2 Adjusting Bar Clamp
 17F3 Adjusting Bar Clamp Bevel Nut
 17F4 Adjusting Bar Clamp Wing Bolt
 17F5 Screw (4), $\frac{1}{2} \times \frac{1}{2}$
 17F6 Set Screw (2), $\frac{1}{2} \times \frac{1}{2}$, Reverse Delivery Attachment
 a17F6 Wing Bolt (2)
 a17F7 Adjusting Bar Clamp Wing Bolt Washer
 a17F8 Spring Post, for Shear Cam Lever Spring, Type and Rule Caster and Lead and Rule Attachment
 a17F11 Spring Post, Reverse Delivery Attachment
 17F13 Adjusting Bar Clamp Screw, Leading Attachment (see Plate 47)
 17F14 Dowel (2), to Main Galley Stand
 Xb17F Galley Fan Shelf, right, Reverse Delivery Attachment, group; consists of b17F, a17F1, 17F2 and 3, a17F4, 17F5(4), 17F6(2), a17F7, a17F11, 17F14(2)
 Xc17F Galley Fan Shelf group; consists of c17FF, a17F1, 17F2 and 3, a17F4, 17F5(4), a17F6(2), a17F7
 Xd17F Galley Fan Shelf, Type and Rule Caster and Lead and Rule Attachment, group;

consists of c17FF, a17F1, 17F2 and 3, a17F4, 17F5(4), a17F6(2), a17F7 and 8
 *c17FF consists of c17F, 17F14(2)

19F Line Hook (Not supplied separately, order Xc19F)
 Line Hook, adjustable, Duplex Mould and Large Composition Attachments (see Plate 53)
 d19F1 Line Hook, adjustable, Reverse Delivery and Duplex Mould Attachments (see Plate 45)
 a19F3 Lever, for c19F1, d19F1 (see Plates 45, 53)
 19F8 Eccentric, for c19F1, d19F1 (see Plates 45, 53)
 19F9 Eccentric Lock Screw, $\frac{3}{8} \times \frac{1}{8}$, hexagon to lever, for c19F1, d19F1 (see Plates 45, 53)
 Xc19F Line Hook, adjustable, Duplex Mould and Large Composition Attachments, group; consists of c19F1, a19F3, 19F8 and 9
 Xd19F Line Hook, adjustable, Reverse Delivery and Duplex Mould Attachments group; consists of d19F1, a19F3, 19F8 and 9
 Xe19F Line Hook group; components are not supplied separately

25F Line Hook Operating Slide Lever
 25FF* Cam Roller
 25F1/1 Cam Roller, 1st repair, .015" oversize
 25F1/2 Cam Roller, 2nd repair, .030" oversize
 25F1/3 Cam Roller, 3rd repair, .045" oversize
 25F1/4 Cam Roller, 4th repair, .060" oversize
 25F2 Cam Roller Pin
 Line Hook Operating Slide Lever group; consists of 25FF, 25F1
 *25FF consists of 25F, 25F2

26F Line Hook Operating Slide Lever Stud
 26F Nut
 X26F Line Hook Operating Slide Lever Stud group; consists of 26F, 26F1

28F Line Hook Stud
 Line Hook Stud, Reverse Delivery Attachment
 Line Hook Stud
 Line Hook Stud group; consists of 28F, 28F1
 Xa28F Line Hook Stud, Reverse Delivery Attachment, group; consists of a28F, 28F1
 Line Hook Stud group; consists of b28F, 28F1
 *Composition Casters numbered 22001 to 22285 inclusive were equipped with this part
 *Attachments for Composition Casters numbered 22001 to 22285 are equipped with this part

33F Operating Lever Latch
 Operating Lever Latch, Leading Attachment
 33F1 Bar, long, for Stop Slide Lever
 a33F2 Bar Clamp
 a33F3 Bar Clamp Screw, knurled
 a33F7 Shaft
 a33F8 Shaft Split Pin (2), $\frac{1}{2} \times \frac{1}{2}$
 33F15 Bar, short, for Stop Slide Lever
 Xa33F Operating Lever Latch group; consists of c33F, a33F1, 2 and 3, a33F7, a33F8(2), 33F15
 Xc33F Operating Lever Latch, Leading Attachment, group; consists of c33F, a33F1, 2 and 3, a33F7, a33F8(2), 33F15

39F Rule
 c39FF Guide Pin
 c39F1

44F Stop Slide
 a44F* $\frac{1}{2}$ Stop Slide
 a44F1 $\frac{1}{2}$ Stop Slide, Leading and Overhung Type Attachments
 a44F2 $\frac{1}{2}$ Stop Slide, Overhung Type and Quadding and Centring Attachments and Leading Attachment for Composition Casters equipped with Quadding and Centring Attachment
 a44F11 Stop Slide, Reverse Delivery Attachment

Stop Slide, Reverse Delivery Attachment (see Plate 45)
 Stop Slide
 Stop Slide, Leading and Mathematical Attachments (see Plates 47, 58)
 Stop Slide, Leading, Mathematical and Quadding and Centring Attachments
 Stop Slide, Overhung Type Attachment
 $\frac{1}{2}$ Stop Slide, Overhung Type and Quadding and Centring Attachments
 Adjusting Stand, for Column Width
 Adjusting Stand, for Column Width, Leading Attachment
 Adjusting Stand, for Column Width, Reverse Delivery Attachment
 Adjusting Stand, for Column Width, Reverse Delivery Attachment (see Plate 45)
 Adjusting Stand, for Column Width, Leading and Mathematical Attachments (see Plate 45)
 Adjusting Stand, for Column Width, Leading and Mathematical Attachments (see Plates 47, 58)
 Adjusting Stand Guide Bar, Reverse Delivery Attachment (see Plate 45)
 Adjusting Stand Guide Bar Clamp
 Adjusting Stand Guide Bar Clamp Wing Bolt
 Adjusting Stand Plate
 Adjusting Stand Plate, Leading Attachment
 Adjusting Stand Plate, Reverse Delivery Attachment
 Adjusting Stand Plate, Reverse Delivery Attachment (see Plate 45)
 Adjusting Stand Plate, Leading and Mathematical Attachments (see Plates 47, 58)
 Adjusting Stand Plate Screw (3), $\frac{1}{2} \times \frac{1}{2}$
 Lever, Leading and Mathematical Attachments (see Plates 47, 58)
 Lever Bolt, $\frac{1}{2} \times \frac{1}{2}$ hexagon
 Adjusting Stand Wing Bolt Bevel Nut
 Lever Bush
 Lever Pin
 Pin
 Pin, Leading, Overhung Type and Quadding and Centring Attachments
 Adjusting Stand Wing Bolt
 Adjusting Stand Bolt, Leading Attachment (see Plate 47)
 Adjusting Stand Wing Bolt, Reverse Delivery Attachment (see Plate 45)
 Adjusting Stand Guide Bar Stop Pin
 Adjusting Stand Guide Bar Spring Post, Leading Attachment (see Plate 47)
 Stop, for Column Pusher, Leading Attachment (see Plate 47)
 Stop Fulcrum Pin, Leading Attachment (see Plate 47)
 Stop Fulcrum Pin Lock Screw, $\frac{1}{2} \times \frac{1}{2}$, group, Leading Attachment
 Lever Fulcrum Screw, Leading and Mathematical Attachments (see Plates 47, 58)
 Spring, Leading Attachment (see Plate 47)
 Stop Spring Post, Leading Attachment (see Plate 47)
 Adjusting Stand Guide Bar Bolt, $\frac{1}{2} \times \frac{1}{2}$ hexagon, Reverse Delivery Attachment (see Plate 45)
 Adjusting Stand Guide Bar Bolt Bevel Nut, Reverse Delivery Attachment (see Plate 45)
 Adjusting Stand Wing Bolt Washer, Reverse Delivery Attachment (see Plate 45)
 Lever, Reverse Delivery Attachment (see Plate 45)
 Lever Pin, Reverse Delivery Attachment (see Plate 45)
 Lever Pin, Reverse Delivery Attachment (see Plate 45)
 Lever Shaft Extension, square, Reverse Delivery Attachment (see Plate 45)
 Lever Shaft Extension Lever, Reverse Delivery Attachment (see Plate 45)
 Lever Shaft Extension Nut, Reverse Delivery Attachment (see Plate 45)
 Lever Shaft Extension Sleeve, Reverse Delivery Attachment (see Plate 45)
 Adjusting Stand Guide Bar Spring Post, for Stop Slide Spring, Reverse Delivery Attachment (see Plate 45)
 Lever Spring Post, for Stop Slide Spring, Reverse Delivery Attachment (see Plate 45)
 Spring, Reverse Delivery Attachment (see Plate 45)

<i>44F46</i>	Stop Screw, $\frac{1}{8}'' \times .150 + 5$
<i>Xb44F111</i>	Stop Slide group; consists of a44FF, a44F1, a44F2F, 44F3, a44F4, 44F7, 44F8(3), a44F9F, b44F10, 44F11 and 12, a44F16
<i>Xc44F111</i>	Stop Slide, Reverse Delivery Attachment, group; consists of c44F, d44F1, c44F2, b44F7, 44F8(2), 44F11, d44F16, 44F33 to 46 inclusive
<i>Xf44F</i>	Stop Slide, Reverse Delivery Attachment, group; consists of f44F, e44F1, c44F2, c44F7, 44F8(2), 44F11, d44F16, 44F33 to 46 inclusive
<i>Xg44F</i>	Stop Slide group; consists of g44FF, f44F1, a44F2F, 44F3, a44F4, d44F7, 44F8(3), a44F9F, b44F10, 44F11 and 12, a44F16
<i>Xh44F</i>	Stop Slide, Leading Attachment, group; consists of h44FF, g44F1, a44F2F, 44F3, a44F4, e44F7, 44F8(2), b44F9F, 44F11, e44F16, 44F23, 44F25F, 44F27 and 28, 44F30 and 31
	*a44FF consists of a44F, 44F15
	†c44FF consists of c44F, a44F15
	‡d44FF consists of d44F, a44F15
	§g44FF consists of g44F, 44F15
	h44FF consists of h44F, a44F15
	¶j44FF consists of j44F, a44F15
	**k44FF consists of k44F, a44F15
	††m44FF consists of m44F, a44F15
	‡‡a44F2F consists of a44F2, a44F17, 44F46
	§§a44F9F consists of a44F9, 44F14
	b44F9F consists of b44F9, 44F14
	¶¶44F25F consists of 44F25, 44F32
	***Can be fitted only at Workshops
	†††Attachments supplied on and after June 1945 and prior to 24th July 1957 were equipped with these parts
	Composition Casters numbered 22001 to 25428 and Composition Casters incorporating Quadding and Centring Attachments numbered 22001 to 25412 were equipped with these parts
	§§§Attachments supplied on and after June 1945 and prior to June 1958 were equipped with these parts

46F

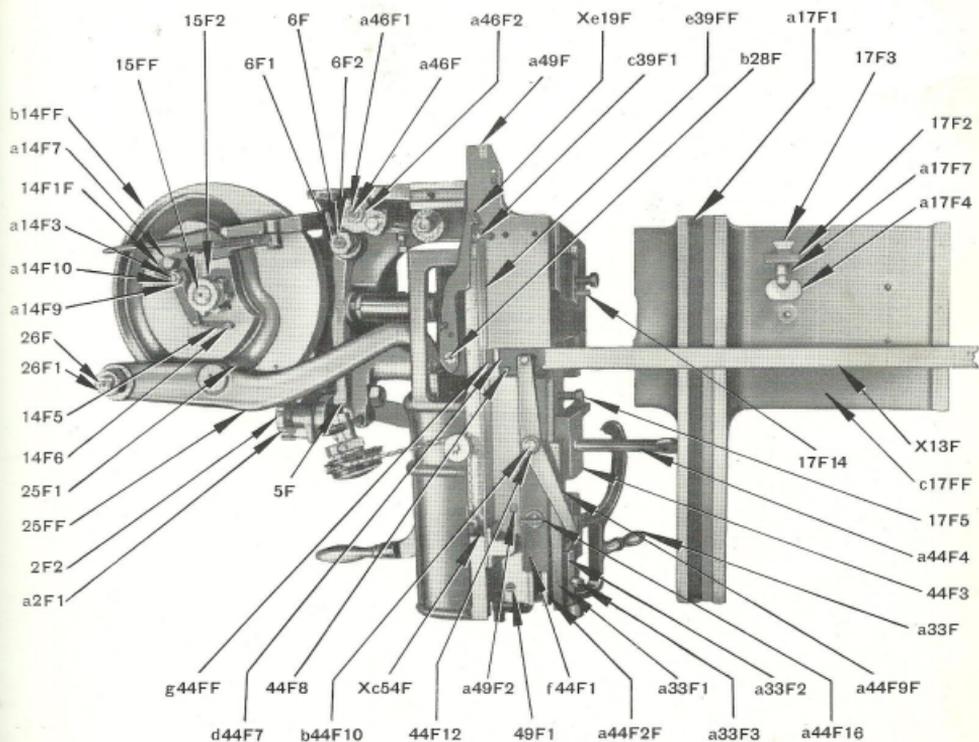
<i>a46F</i>	Trip Lever Fulcrum Stud
<i>a46F1</i>	Nut
<i>a46F2</i>	Washer
<i>Xa46F</i>	Trip Lever Fulcrum Stud group; consists of a46F, a46F1 and 2

49F

<i>a49F</i>	Type Channel Plate
<i>c49FF*</i>	Type Channel Plate, front, Reverse Delivery Composition, Reverse Delivery Attachment (see Plate 45)
<i>d49F</i>	Type Channel Plate, front, English Composition, Reverse Delivery Attachment (see Plate 45)
<i>e49FF†</i>	Type Channel Plate, Leading Attachment
<i>49F1</i>	Screw, $\frac{1}{2}'' \times \frac{11}{16}''$
<i>a49F2</i>	Bolt, $\frac{1}{2}'' \times 2\frac{1}{2}''$, hexagon
<i>b49F3‡</i>	Type Channel Plate, rear, English or Reverse Delivery Composition, Reverse Delivery Attachment (see Plate 45)
<i>a49F6</i>	Post, Reverse Delivery Attachment (see Plate 45)
<i>49F7</i>	Bolt, Leading Attachment (see Plate 47)
<i>49F9</i>	Bush, Leading Attachment (see Plate 47)
<i>49F10</i>	Bush Dowel (2), to Plate, Leading Attachment (see Plate 47)
<i>49F11</i>	Bush Screw (2), $\frac{1}{2}'' \times \frac{1}{8}''$, to Plate, Leading Attachment (see Plate 47)
<i>Xa49F</i>	Type Channel Plate group; consists of a49F, 49F1, a49F2
	*c49FF consists of c49F, a49F6
	†e49FF consists of e49F, 49F9, 49F10(2), 49F11(2)
	‡Can be fitted only at Workshops

54F

<i>c54F1</i>	Line Support Pusher (Not supplied separately, order Xc54F)
<i>d54F1</i>	Line Support Pusher, Quadding and Centring Attachment (Not supplied separately, order Xd54F)
<i>a54F2</i>	Guide (Not supplied separately, order Xc54F or Xd54F)
<i>a54F3</i>	Guide Rivet (2)
<i>Xc54F</i>	Line Support Pusher group; consists of c54F1, a54F2, a54F3(2)
<i>Xd54F</i>	Line Support Pusher, Quadding and Centring Attachment, group; consists of d54F1, a54F2, a54F3(2) (see Plate 49)



7F 24F1
 7F1 Column Pusher Spring
 X7F Plate (2)
 Column Pusher Spring group; consists of 7F, 7F1(2)

8F 8F
 8F1* Column Pusher Spring Box
 8F1* Adjusting Ball Plug
 8F2 Adjusting Ball Plug
 8F2* Adjusting Ball Plug Lock Nut
 8F3 Ball Plunger
 8F4 Ball Plunger Washer
 8F5 Plug
 8F6 Column Pusher Spring Box, Leading and Mathematical Attachments, group; consists of X88F modified (see Plates 47, 58)

X88F Column Pusher Spring Box group; consists of 8F, 8F1, 2 and 3, 8F4, 5 and 6
 *Composition Casters numbered 22001 to 25429 and Composition Casters incorporating Quadding and Centring facilities numbered 22001 to 25413 were equipped with these parts

20F 20F
 20F1 Line Hook Carriage
 X20F Friction Plunger (2)
 Friction Plunger Spring (2)
 Line Hook Carriage group; consists of 20F, 20F1(2), 20F2(2)

21F a21F
 21F1 Line Hook Operating Bar
 21F2 Friction Plunger
 21F3 Friction Plunger Spring
 Xa21F Locking Rod
 Line Hook Operating Bar group; consists of a21F, 21F1 and 2, a21F3

22F a22FF*
 22F1 Line Hook Operating Bar Stop
 22F2 Adjusting Screw
 22F3 Screw (2), $\frac{1}{2} \times \frac{1}{8}$
 22F4 Adjusting Screw Nut
 22F5 Pin, Stop for Line Support Pusher Catch Plate
 22F6 Pivot, for Line Support Pusher Catch Plate
 Xa22F Line Hook Operating Bar Stop group; consists of a22FF, a22F1, 22F2(2), a22F3
 *a22FF consists of a22F, 22F4 and 5

23F a23FF*
 23F1 Line Hook Operating Slide
 a23FF Pin, for Operating Bar
 a23F1 Friction Plunger (2)
 a23F13 Friction Plunger Spring (2)
 Xa23F Line Hook Operating Slide group; consists of a23FF, a23F1(2), a23F13(2)
 *a23FF consists of a23F, a23F7
 †Composition Casters numbered 24526 to 24537 inclusive, 24544 to 24553 inclusive, 24560 to 24528 inclusive, and Composition Casters incorporating Quadding and Centring facilities numbered 24526 to 24537 inclusive, 24544 to 24553 inclusive, 24560 to 25412 inclusive, were equipped with this part

24F a24F
 24F1 Line Hook Operating Slide Shoe
 24F2 Line Hook Operating Slide Shoe, Reverse Delivery Attachment

24F1 Screw (5), $\frac{1}{2} \times \frac{1}{8}$
 24F4 Screw (2), $\frac{1}{2} \times \frac{1}{8}$
 Xa24F Line Hook Operating Slide Shoe group; consists of a24F, 24F1(5)
 Xb24F Line Hook Operating Slide Shoe, Reverse Delivery Attachment, group; consists of 24F, 24F1(5)
 Xc24F Line Hook Operating Slide Shoe group; consists of a24F, 24F1(3), 24F4(2)
 *Composition Casters numbered 22001 to 24842 were equipped with these parts

27F a27F*
 27F1 Line Hook Operating Slide Spring Box
 27F2 Pin, in Lever
 27F3 Plug, rear
 27F4 Spring
 27F5 Spring Abutment, front
 27F6 Spring Abutment, rear
 27F7 Rod
 27F8 Rod Adjusting Nut
 27F9 Rod Adjusting Nut Lock Nut
 27F10 Rod Eye
 27F11 Rod Eye Lock Nut
 Xb27F Line Hook Operating Slide Spring Box group; consists of a27F, 27F1, 27F3 to 11 inclusive
 Xc27F Line Hook Operating Slide Spring Box group; consists of 27F2, 27F1, 27F3 to 11 inclusive
 *Composition Casters numbered 22001 to 25428 and Composition Casters incorporating Quadding and Centring facilities numbered 22001 to 25412 were equipped with these parts

31F g31F
 31F1 Main Galley Stand
 31F2 Main Galley Stand, Reverse Delivery Attachment
 31F3 Main Galley Stand, Leading Attachment
 31F4 Main Galley Stand, Raised Galley Attachment
 31F5 Taper Pin, with threaded end
 31F6 Screw, large, $\frac{1}{2} \times \frac{1}{4}$
 31F7 Screw, small, $\frac{3}{8} \times \frac{1}{8}$
 31F8 Spring Stop, for Column Pusher Spring
 31F9 Packing Plate, left, Raised Galley Attachment (see Plate 51)
 31F10 Stud, Stop, for Pump Trip Handle
 31F11 Packing Plate, right, Raised Galley Attachment (see Plate 51)
 31F12 Packing Plate Screw (4), $\frac{1}{2} \times \frac{1}{4}$, counter-sunk, Raised Galley Attachment (see Plate 51)
 Xg31F Main Galley Stand group; consists of g31F, 31F1 and 2, 31F4 and 5, a31F7

38F 38F
 38F1 Operating Lever Stud
 38F2 Operating Lever Stud group; consists of 38F, 38F1
 45F Trip Lever, assembled
 45F1 Trip Lever, Part 1 (Not Supplied separately, order 445FF)
 45F2 Trip Lever, Part 2
 45F3 Trip Lever, Leading Attachment
 45F4 Latch
 45F5 Latch Guide Pin
 45F6 Latch Stud
 45F7 Latch Stud Split Pin, $\frac{3}{2} \times \frac{1}{2}$
 45F8 Latch Stud Washer
 45F9 Spring Post, for Trip Lever Spring
 45F10 Stop Screw, $\frac{1}{2} \times \frac{1}{16}$, hexagon
 45F11 Stop Screw Lock Nut
 Spring Post, for Latch Spring

a45F12 Latch Spring Post
 a45F13 Latch Spring
 45F26 (refer after a45F)
 45F27 Bolt, $\frac{3}{4} \times \frac{1}{4}$, hexagon
 45F28 Bolt Washer
 45F29** Distance Cam
 a45F29** Distance Cam
 a45F30 Distance Cam Adjuster
 45F31 Distance Cam Adjuster Lock Nut
 45F32 Distance Cam Adjuster Lock Nut Washer
 45F33 Distance Cam Adjuster Plunger
 45F34 Distance Cam Adjuster Plunger Spring
 45F35 Distance Cam Pin
 45F36 Trip Lever group; consists of a45F1F, a45F9, 45F10, a45F11, 45F26, 27 and 28, a45F29F, a45F30, 45F31 to 34 inclusive
 Xg45F Trip Lever, Leading Attachment, group; consists of a45FF, a45F9, 45F10, a45F11, 45F26, 27 and 28, a45F29F, a45F30, 45F31 to 34 inclusive
 *a45FF consists of a45F, a45F3F, a45F4, 45F5 to 8 inclusive, a45F11
 †a45F3F consists of a45F3, a45F12
 ‡45F29F consists of 45F29, 45F35
 §a45F29F consists of a45F29, 45F35
 **Composition Casters numbered 22001 to 2535 inclusive and Composition Casters incorporating Quadding and Centring facilities numbered 22001 to 25217 inclusive, were equipped with this part

47F 47F
 47F1 Trip Lever Spring

48F 48F
 48F1 Trip Lever Spring Post, in Main Galley Stand

53F a53FF
 53F1 Line Hook Operating Slide Latch
 53F2 Line Hook Operating Slide Latch
 53F3** † Frame
 53F4** † Frame
 53F5 Frame Spring Pin
 53F6 Frame Spring Pin (refer after a53F4)
 53F7 Frame Fulcrum Pin (2)
 53F8 (refer after a53F4)
 53F9 Frame Extension
 53F10 Frame Extension
 53F11 Frame Extension Rivet (2)
 53F12 Stud
 53F9 Spring
 Xc53FF Line Hook Operating Slide Latch group; consists of a53F, c53F1F, a53F8 and 9, a53F12(2)
 Xa53F Line Hook Operating Slide Latch group; consists of 53F3, d53F1F, a53F8 and 9, a53F12(2)
 *c53FF consists of c53F1, a53F6, a53F13, a53F14(2)
 †d53F1F consists of d53F1, a53F6, b53F13, a53F14(2)
 ‡Composition Casters numbered 22001 to 25428 and Composition Casters incorporating Quadding and Centring facilities numbered 22001 to 25412 were equipped with these parts

55F a55F1
 55F2 Line Support Pusher Catch Plate (Not supplied separately, order Xa55F)
 55F3 Spring (Not supplied separately, order Xa55F)
 55F4 Spring Rivet (2)
 Xa55F Line Support Pusher Catch Plate group; consists of a55F1, 55F2, 55F3(2)

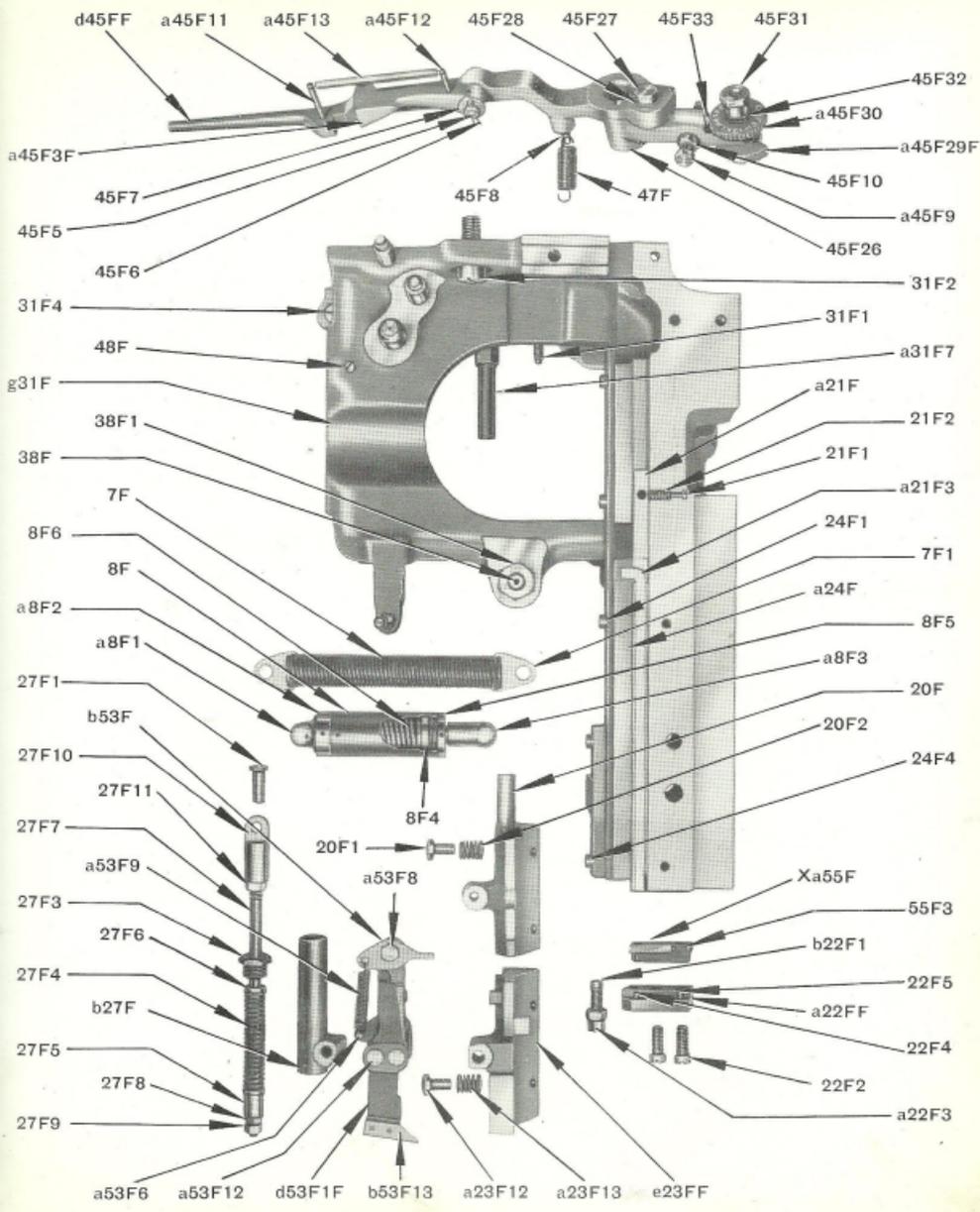


Plate 20

9F

9 to 134 Picas: 8 1/2 to 12 1/2 Ciceros

Column Support, No. 4

- 9F1 Bar (Not supplied separately, order X9F)
 9F2 Bar Finger Catch
 9F3 Bar Finger Catch Screw (2), $\frac{3}{8} \times \frac{3}{8}$, countersunk
 9F4 Slide (Not supplied separately, order X9F)
 9F5 Slide Plate (Not supplied separately, order X9F)
 9F6 Slide Finger Catch
 9F7 Slide Finger Catch Rivet
 9F8 Slide Stop Pin
 9F9 Spring
 9F10 Spring Guide Rod (Not supplied separately, order X9F)
- X9F Column Support, No. 4, group: consists of 9F1 and 2, 9F3(2), 9F4 to 10 inclusive

10F

134 to 20 Picas: 12 1/2 to 18 1/2 Ciceros

Column Support, No. 5

- 10F1 Bar (Not supplied separately, order X10F)
 10F2 Bar Finger Catch
 10F3 Bar Finger Catch Screw (2), $\frac{3}{8} \times \frac{3}{8}$, countersunk
 10F4 Slide (Not supplied separately, order X10F)
 10F5 Slide Plate (Not supplied separately, order X10F)
 10F6 Slide Finger Catch
 10F7 Slide Finger Catch Rivet
 10F8 Slide Stop Pin
 10F9 Spring
 10F10 Spring Guide Rod (Not supplied separately, order X10F)
- X10F Column Support, No. 5, group: consists of 10F1 and 2, 10F3(2), 10F4 to 10 inclusive

11F

20 to 30 Picas: 18 1/2 to 28 Ciceros

Column Support, No. 6

- 11F1 Bar (Not supplied separately, order X11F)
 11F2 Bar Finger Catch
 11F3 Bar Finger Catch Screw (2), $\frac{3}{8} \times \frac{3}{8}$, countersunk
 11F4 Slide (Not supplied separately, order X11F)
 11F5 Slide Plate (Not supplied separately, order X11F)
 11F6 Slide Finger Catch
 11F7 Slide Finger Catch Rivet
 11F8 Slide Stop Pin
 11F9 Spring
 11F10 Spring Guide Rod (Not supplied separately, order X11F)
- X11F Column Support, No. 6, group: consists of 11F1 and 2, 11F3(2), 11F4 to 10 inclusive

29F**Line Support (up to and including 8 didot)**

- 29F1 Spring
 a29F1 Spring, Quadding and Centring Attachment, group: consists of c29F, a29F1, 29F2
 29F2 Spring Screw, $\frac{3}{8} \times \frac{3}{8}$, Quadding and Centring Attachment
 a29F2 Pin, for Spring
 29F6 Guide (Not supplied separately, order Xc29F, X129F or Xp29F)
 29F7 Guide Rivet (2)
 29F8 Plate Trip
 29F9 Plate Rivet (2)
 Xc29F Line Support, thin, 9 to 24 Pica and 9 to 23 Cicero, Quadding and Centring Attachment, group: consists of c29F, a29F1, 29F2, 29F6, 29F7(2) (see Plate 49)
 Xp29F Line Support, thin, 24 to 60 Pica and 23 to 56 Cicero, Quadding and Centring Attachment, group: consists of 29F, a29F1, 29F2, 29F6, 29F7(2) (see Plate 49)
 Xh29F Line Support, thin, group: consists of h29F, 29F1, a29F2
 Xj29F Line Support, thin, 6 to 7 point inclusive, Reverse Delivery Attachment, group: consists of j29F, 29F1, a29F2

Xk29F

Line Support, thin, 5 to 8 point inclusive, Galley Trip (Sorts) Attachment, group: consists of k29F, 29F1, a29F2 (see Plate 44)

Xm29F

Line Support, thin, 5 to 8 point inclusive, Galley Trip (Sorts) Attachment, group: consists of m29F, 29F1, a29F2

Xn29F

Line Support, thin, Leading Attachment, group: consists of n29F, 29F1, a29F2 (see Plate 47)

Xp29F

Line Support, thin (also Trip for Galley), 5 to 8 point inclusive, Galley Trip (Sorts) Attachment, group: consists of p29F, a29F1, 29F2, 29F6, 29F7(2), 29F8, 29F9(2)

30F**Line Support (9 point and over)**

- 30F1 Spring
 a30F1 Spring, Quadding and Centring Attachment, group: consists of c30F, a30F1, 30F2
 30F2 Spring Screw, $\frac{3}{8} \times \frac{3}{8}$, Quadding and Centring Attachment
 a30F2 Guide (Not supplied separately, order Xc30F, Xd30F, Xp30F, Xu30F, Xhw30F, Xdw30F or Xew30F)
 30F6 Guide Rivet (2)
 30F7 Facing (Not supplied separately, order Xc30F or Xu30F)
 30F8 Facing (Not supplied separately, order Xhw30F, Xdw30F or Xew30F)
 a30F8 Facing Rivet (3), for 30F8
 a30F9 Facing Rivet (3), for a30F8
 30F10 Plate Trip
 30F11 Plate Rivet (2)
 Xc30F Line Support, thick, 9 to 24 pica and 9 to 23 cicero, Quadding and Centring Attachment, group: consists of c30F, a30F1, 30F2, 30F6, 30F7(2), 30F8, 30F9(3) (see Plate 49)
 Xj30F Line Support, thick, 24 to 60 pica and 23 to 56 cicero, Quadding and Centring Attachment, group: consists of j30F, a30F1, 30F2, 30F6, 30F7(2) (see Plate 49)
 Xh30F Line Support, thick, group: consists of h30F, 30F1, a30F2
 Xj30F Line Support, thick, 8 to 12 point inclusive, Reverse Delivery Attachment, group: consists of j30F, 30F1, a30F2
 Xk30F Line Support, thick, 9 to 12 point inclusive, Galley Trip (Sorts) Attachment, group: consists of k30F1, 30F1, a30F2 (see Plate 44)
 Xm30F Line Support, thick, 9 to 12 point inclusive, Galley Trip (Sorts) Attachment, group: consists of m30F, 30F1, a30F2
 Xn30F Line Support, thick, Leading Attachment, group: consists of n30F, 30F1, a30F2 (see Plate 47)
 Xp30F Line Support, thick (also Trip for Galley), 9 to 12 point inclusive, Galley Trip (Sorts) Attachment, group: consists of p30F, a30F1, 30F2, 30F6, 30F7(2), 30F10, 30F11(2)
 Xq30F Line Support, thick, 9 point and didot and over, Large Composition Attachment, group: consists of q30F, 30F1, a30F2
 Xu30F Line Support, thick, 9 point and didot and over, 9 to 24 pica, 9 to 23 cicero, Duplex Mould Attachment, group: consists of u30F, a30F1, 30F2, 30F6, 30F7(2), 30F8, 30F9(3)
 Xv30F Line Support, thick, Large Composition Attachment, group: consists of v30F, 30F1, a30F2
 Xw30F Line Support, thick, Large Composition Attachment, group: consists of w30F, 30F1, a30F2
 Xx30F Line Support, thick, Large Composition Attachment, group: consists of x30F, a30F1, 30F2, 30F6, 30F7(2), a30F8, a30F9(3), 30F10, 30F11(2)
 Xy30F Line Support, thick, also Trip for Galley, Large Composition Attachment, group: consists of y30F, a30F1, 30F2, 30F6, 30F7(2), a30F8, a30F9(3), 30F10, 30F11(2)
 Xz30F Line Support, thick, Large Composition

Xdw30F

Attachment, group: consists of cw30F, 30F1, a30F2

Xew30F

Line Support, thick, 9 to 24 pica, 9 to 23 cicero, Large Composition Attachment, group: consists of dw30F, a30F1, 30F2, 30F6, 30F7(2), a30F8, a30F9(3)

Xf30F

Line Support, thick, 24 to 60 pica, 23 to 56 cicero, Large Composition Attachment, group: consists of fw30F, a30F1, 30F2, 30F6, 30F7(2), a30F8, a30F9(3)

52F

6 to 9 Picas: 6 to 8 1/2 Ciceros

- 52F1 Bar (Not supplied separately, order X52F)
 52F2 Bar (Not supplied separately, order X52F)
 52F3 Slide Plate (Not supplied separately, order X52F)
 52F4 Slide Stop Pin
 52F5 Spring
 52F10 Spring Guide Rod (Not supplied separately, order X52F)
 X52F Column Support, No. 3, group: consists of 52F1, 52F4 and 5, 52F8, 9 and 10

72F

3 to 4 Picas: 3 to 4 Ciceros

- 72F1 Bar (Not supplied separately, order X72F)
 72F2 Slide (Not supplied separately, order X72F)
 72F3 Slide Plate (Not supplied separately, order X72F)
 72F4 Slide Stop Pin
 72F5 Spring
 X72F Column Support, No. 1, group: consists of 72F1 to 5 inclusive

73F

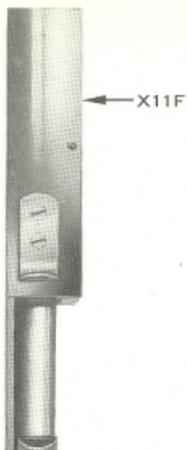
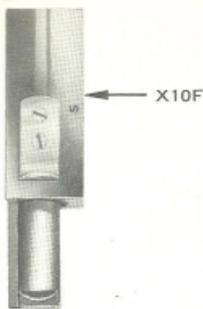
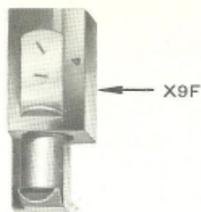
4 to 6 Picas: 4 to 6 Ciceros

- 73F1 Bar (Not supplied separately, order X73F)
 73F2 Slide (Not supplied separately, order X73F)
 73F3 Slide Plate (Not supplied separately, order X73F)
 73F4 Slide Stop Pin
 73F5 Spring
 X73F Column Support, No. 2, group: consists of 73F1 to 5 inclusive

211F**Line Support Pusher Spring Box**

- a211F1F Cap
 211F2 Split Pin, $\frac{3}{8} \times \frac{3}{8}$
 211F3 Pin, Anchor for Spring
 211F4 Position Pin, for Chain
 211F5 Spring
 211F6 Support
 211F7F Support Cap
 211F8 Support Cap Screw (2), $\frac{3}{8} \times \frac{3}{8}$ hexagon
 211F9 Abutment Pin, Anchor for Spring
 211F10 Washer
 211F11 Abutment
 211F12 Abutment Pin
 211F13 Abutment Screw, $\frac{3}{8} \times \frac{3}{8}$, hexagon
 211F14 Stop Pin
 211F15 Line Support Pusher Spring Box group: consists of a211F1F, 211F2 and 3, 211F5 and 6, 211F7F, 211F8, 211F9(2), 211F11 to 14 inclusive
 *a211F1F consists of a211F1, a211F4, 211F11
 †211F7F consists of 211F7, 211F10
 ‡can be fitted only at Workshops

212F**Line Support Pusher Spring Box Chain**
 Line Support Pusher Spring Box Chain, Quadding and Centring Attachment (see Plate 49)



c212F1

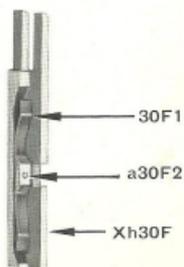
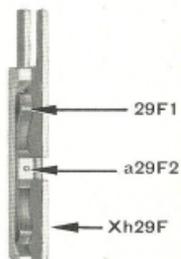
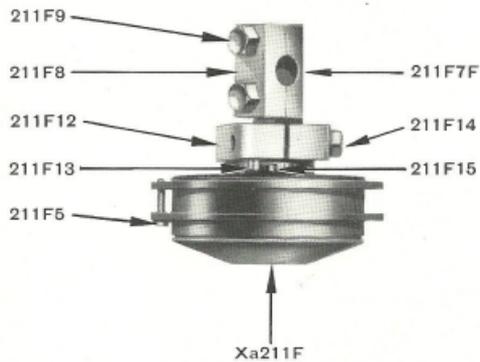
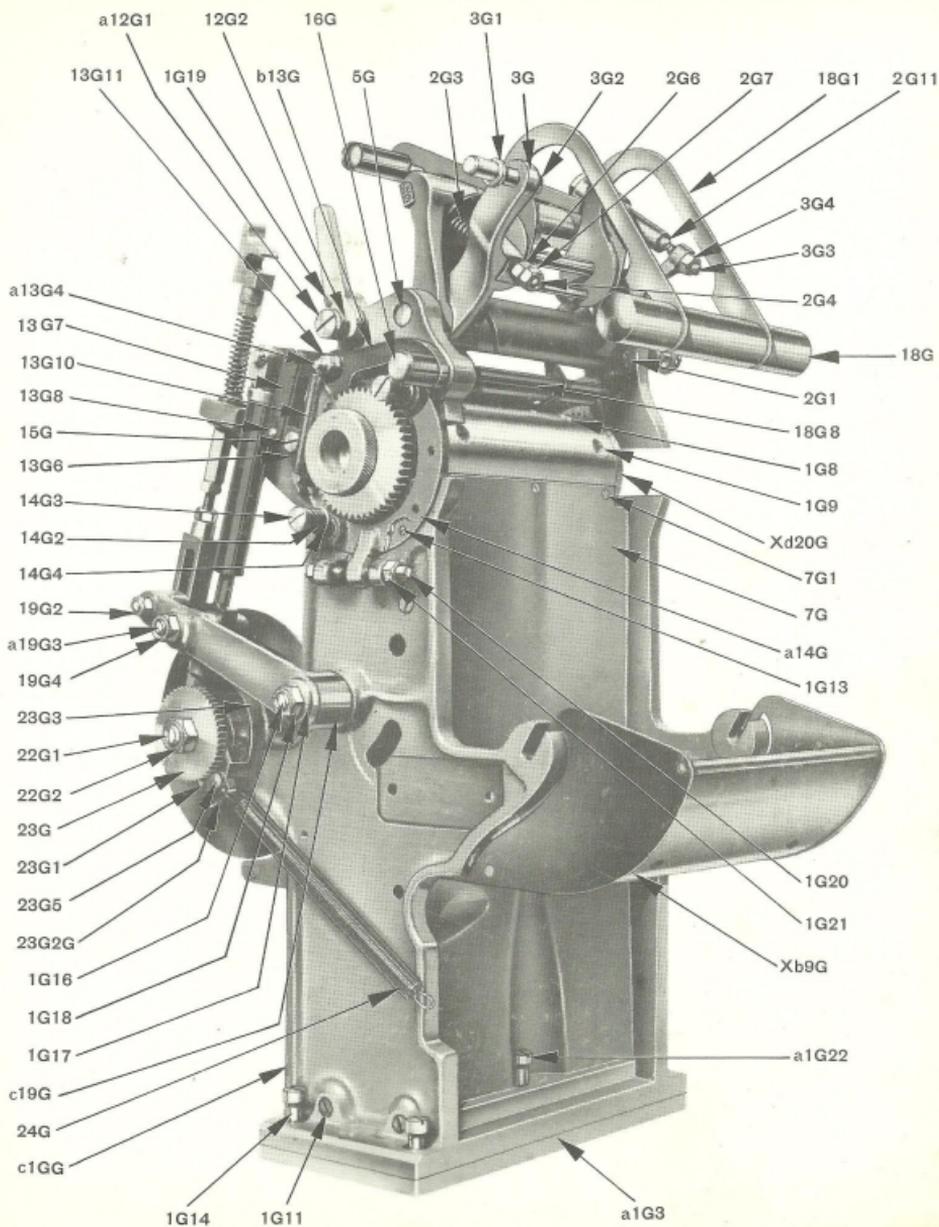


Plate 21



1G

- Air Tower**
 1G1 Housing, rear
 1G2 Air Pipe (31)
 1G4 Base Screw, left, $\frac{1}{2}'' \times 1\frac{1}{2}''$
 a1G5G Cross Girt
 1G10 Cross Girt Taper Pin (4), $\frac{3}{8}'' \times \frac{1}{2}''$
 1G12 Screw (3), $\frac{3}{8}'' \times \frac{1}{2}''$, to Cross Girt

2G

- Air Bar, including Valve Body**
 b2GG* Clamp Screw, $\frac{3}{8}'' \times \frac{11}{16}''$ (see Plate 22)
 2G1 Packing
 2G2 Spring (2) (see Plate 22)
 2G3 Spring Stud (2) (see Plate 22)
 2G4 Spring Stud Washer (2)
 2G6 Spring Stud Nut (2) (see Plate 22)
 2G7 Spring Stud Nut Lock Nut (2) (see Plate 22)
 b2G8 Valve (Ball)
 2G9 Valve Spring
 2G10 Valve Stem (see Plate 22)
 Xa2G Air Bar, including Valve Body, group; consists of b2GG, 2G3(2), 2G4(2), 2G5(2), 2G6(2), 2G7(2)

*b2GG consists of b2G, 2G1 and 2, b2G8, 2G9, 10 and 11
 †Can be fitted only at Workshops

4G

- Air Bar Clamping Lever Connecting Rod**
 4G1 Connecting Hook
 4G2 Connecting Hook Lock Nut
 4G3 Connecting Link
 4G4 Connecting Link Lock Nut
 4G5 Spring
 a4G6 Spring Seat
 a4G7 Adjustable Sleeve
 a4G8 Adjustable Sleeve Lock Nut
 a4G9 Washer
 X4G Air Bar Clamping Lever Connecting Rod group; consists of 4G, 4G1 to 5 inclusive, a4G6 to 9 inclusive

5G

- Air Bar Shaft** (see Plate 22)
 5G1 Distance Collar
 5G2 Screw, end
 5G3 Headless Screw Nut
 5G5 Headless Screw Washer
 X5G Air Bar Shaft group; consists of 5G, 5G1, 2 and 3, 5G5

6G

- Air Pipe, to Air Bar**
 6G1 Connection
 6G2 Connection Washer (3)
 Xa6G Air Pipe, to Air Bar, group; consists of a6G, 6G1, 6G2(3)

8G

- Air Pipe Cover, left**
 a8G Air Pipe Cover, left, Quadding and Centring Attachment (see Plate 49)
 8G1 Screw (3), $\frac{3}{8}'' \times \frac{3}{4}''$, countersunk
 8G5* Guide Rivet (6)
 8G4 Guide Screw (2), $\frac{1}{2}'' \times \frac{1}{2}''$
 X8G Air Pipe Cover, left, group; consists of 8G, 8G1(3), 8G4(2)
 Xa8G Air Pipe Cover, left, Quadding and Centring Attachment, group; consists of a8G, 8G1(3), 8G4(2)

*Composition Casters supplied on and after June 1945 and prior to January 1948 were equipped with these parts

10G

- Nameplate (specify country)**
 a10G Nameplate (country of origin), machines destined for France or French possessions
 e10G Screw (4), $\frac{1}{2}'' \times \frac{3}{8}''$, for a10G
 i10G1 Screw (2), for e10G
 Xa10G Nameplate (specify country) group; consists of a10G, 10G1(4)

12G

- Paper Feed Locking Lever**
 12G

13G

- Paper Locking Pawl**
 Operating Link
 b13G3

17G

- Paper Feed Spring Box**
 Connection, upper
 a17G1 Connecting Link Nut
 a17G2 Pin
 17G3 Pin Split Pin (2), $\frac{1}{16}'' \times \frac{1}{2}''$
 17G4 Spring
 b17G5 Spring Rod
 a17G6 Spring Rod Nut
 a17G8 Spring Rod Washer (2)
 a17G9 Tube
 a17G12 Tube (refer after e17G1)
 Xe17G Paper Feed Spring Box group; consists of e17G1, a17G2, 17G3(2), a17G5, b17G6, a17G7, a17G8(2), a17G9, a17G12

18G

- Paper Tension Bar, large, right** (see Plate 22)
 Arm, right (2) (see Plate 22)
 a18G7 Connecting Link (2)
 18G8 Connecting Link Fulcrum Pin, in Housing (see Plate 22)
 Connecting Link Pin
 a18G9 Paper Tension Bar, small, left
 18G2 Arm, left (2)
 18G3 Arm Fulcrum Pin
 18G4

18G5

- Arm Distance Sleeve**
 18G6 Arm Guide Plate
 a18G7 (refer after 18G1)
 18G8 (refer after 18G1)
 a18G9
 X18G Paper Tension Bar group; consists of 18G, 18G1(2), 18G2, 18G3(2), 18G4, 5 and 6, a18G7(2), 18G8, a18G9

19G

- Air Tower Lever**
 Stud, for Connecting Rod
 a19G1

21G

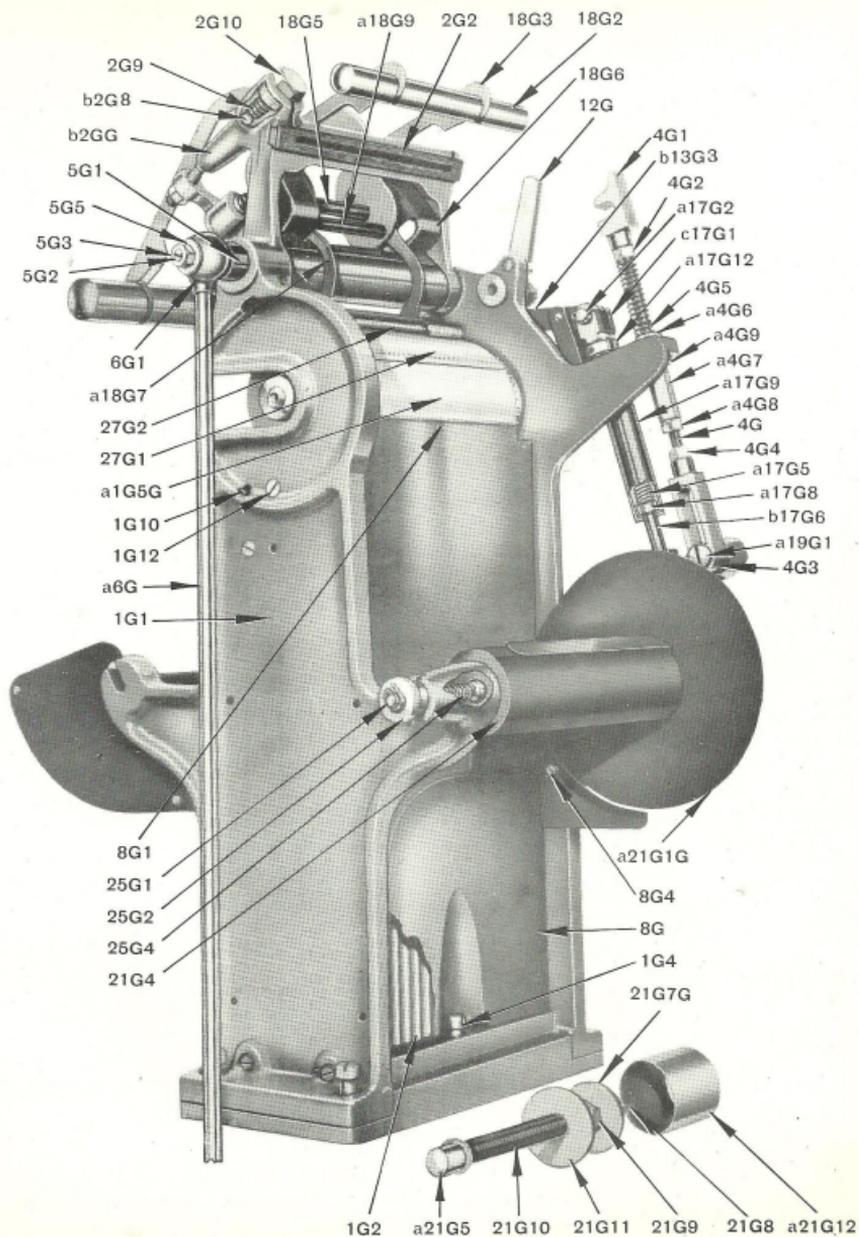
- Winding Spool**
 a21G1G* Flange
 a21G2 Flange Bush
 a21G3 Flange Spring
 21G4 Plug, rear
 a21G5 Shaft
 21G7 Shaft Driving Disc
 21G8 Shaft Driving Disc Pin
 21G9 Shaft Driving Disc Lock Nut
 21G10 Shaft Spring
 21G11 Shaft Spring Abutment
 21G12 Shaft Spring Abutment Tube
 a21G12 Shaft Spring Abutment Tube
 Tube (Not supplied separately, order a21G1G)
 21G14 Flange Bush Rivet
 Xa21G Winding Spool group; consists of a21G1G, 21G4, a21G5, 21G7G, 21G9, 10 and 11, a21G12
 *a21G1G consists of a21G1, 2 and 3, a21G13, 21G14
 †21G7G consists of 21G7 and 8
 ‡Can be fitted only at Workshops
 §Composition Casters numbered 22001 to 25400 inclusive and Composition Casters incorporating Quadding and Centring facilities numbered 22001 to 25301 inclusive were equipped with this part

25G

- Winding Spool Spring Box Plunger**
 Button
 25G1 Split Pin, $\frac{1}{16}'' \times \frac{1}{2}''$
 25G2 Spring
 25G4 Spring
 X25G Winding Spool Spring Box Plunger group; consists of 25G1 to 4 inclusive

27G

- Paper Reader**
 Hinge Pin
 27G1 Paper Reader group; consists of 27G1 and 27G2
 X27G



12H

- a12H* Melting Pot, medium, Gas
 g12HH* Melting Pot, medium, Electric and Gas-Electric, Funditor
- a12HH* Melting Pot, medium, Electric and Gas-Electric, Funditor and Rototherm
- j12HH Melting Pot, large, Electric, Funditor and Rototherm
- b12H2* Casing, for a12H
 b12H2* Casing, for g12HH, h12HH (Gas-Electric)
- h12H2 assd.** Casing, assembled, for g12HH, h12HH (Gas-Electric)
- † Casing, for g12HH, h12HH (Electric)
- h12H2 assd.**† Casing, assembled, for g12HH, h12HH (Electric)
- k12H2 Casing, for j12HH
 12H8 Casing Screw
 a12H9 Casing Stud (2)
 a12H10 Casing Stud Nut (2)
 a12H11 Casing Stud Washer (2)
 a12H18 Casing Bracket
 a12H19 Casing Bracket Screw (2), $\frac{3}{8} \times \frac{1}{2}$
 a12H20 Casing Bracket Taper Pin (2), $\frac{3}{8} \times \frac{1}{2}$
 a12H25 Casing Stud (4), $\frac{1}{2} \times \frac{3}{4}$, to Casing
 a12H26† Clip (2), for Element, medium, Funditor
 a12H36† Clip (4), for Element, medium and large, Funditor and Rototherm
 a12H37† Clip Screw (2), $1 \frac{1}{2} \times \frac{3}{8}$, countersunk, for a12H36
 a12H37† Clip Screw (4), $1 \frac{1}{2} \times \frac{3}{8}$, countersunk, for a12H36 (see Plate 28)
- 12H38 Clip, for Thermostat (see Plate 28)
- 12H39 Clip Screw, $\frac{3}{8} \times \frac{3}{8}$ (see Plate 28)
- 12H40 Flue cap, medium and small, Electric, Funditor and Rototherm
- a12H41 Gasket, Part 1, medium
 b12H41 Gasket, Part 1, large
 12H42 Casing Baffle, Gas-Electric
 12H43 Casing Baffle Screw, $1 \frac{1}{2} \times \frac{3}{4}$
 12H44 Casing Bottom Plate, Gas-Electric
 a12H44* Casing Bottom Plate, Electric
 12H45 Casing Bottom Plate Screw (4), $1 \frac{1}{2} \times \frac{3}{4}$
 12H46 Casing Bottom Plate Screw (2), $1 \frac{1}{2} \times \frac{3}{4}$, countersunk
- 12H47 Casing Cover Plate, for j12HH
 12H48 Casing Cover Plate Screw (3), $\frac{3}{8} \times \frac{3}{8}$
 12H50 Gasket, Part 2, medium
 12H51 Gasket, Part 2, large
- Melting Pot, medium, Gas, group; consists of a12H, b12H2, 12H8, a12H19(2), a12H10(2), a12H11(2), a12H18, a12H19(2), a12H30(2), a12H25(4), a12H39
- Xj12HH* Melting Pot, medium, Gas-Electric, Funditor, group; consists of g12HH, h12H2 assd. and asbestos packing
- Xk12H Melting Pot, medium, Gas-Electric, Funditor and Rototherm, group; consists of h12HH, h12H2 assd. and asbestos packing
- Xm12HH* Melting Pot, medium, Electric, Funditor, group; consists of g12HH, j12H2 assd. and asbestos packing
- Xn12HH* Melting Pot, medium, Electric, Rototherm, group; consists of h12HH, j12H2 assd. and asbestos packing
- Xp12H Melting Pot, large, Electric, Funditor and Rototherm, group; consists of j12HH, k12H2, 12H8, a12H9(2), a12H10(2), a12H11(2), a12H18, a12H19(2), a12H20(2), a12H21, 12H47, 12H48(3), a12H50, a12H51 and asbestos packing
- *Can be fitted only at Workshops
- †g12HH consists of a12H, a12H36(2), 12H37(2), 12H38 and 39
- †h12HH consists of b12H, a12H36(4), a12H37(4), 12H38 and 39
- †j12HH consists of j12H, a12H25(4), a12H36(4), a12H37(4), 12H38 and 39
- †k12H2 assd. consists of h12H2, 12H8, a12H19(2), a12H10(2), a12H11(2), a12H18, a12H19(2), a12H30(2),

a12H25(4), a12H41, 12H42, 43 and 44, 12H45(4), 12H46(2), 12H50, a12H39, 2 lbs asbestos packing

†Composition Casters numbered 24518 to 24727 and Type and Rule Casters numbered 1369 to 1372 were equipped with these parts

**j12H2 assd. consists of j12H2, 12H8, a12H9(2), a12H10(2), a12H11(2), a12H18, a12H19(2), a12H20(2), a12H25(4), a12H41, a12H44, 12H45(2), 12H50, a12H39

††Composition Casters numbered 24518 to those supplied prior to February 1957 and Type and Rule Casters numbered 1369 to those supplied prior to February 1957 were equipped with these parts

13H

GAS AND GAS-ELECTRIC MELTING POTS

13H Melting Pot Chimney
 a13H1 Extension, Type and Rule Caster and Lead and Rule Attachment for Composition Caster

18H

18H Piston Lever (Not supplied separately, order Xc18H)
 b18H1H* Block (2)
 b18H4 Block Bearing Pin (2)
 b18H3 Block Bearing Pin Lock Screw, in Lever (2)
 b18H6 Block Pin, in Block (2)
 b18H11 Block Stop Pin (2)
 Xc18H Piston Lever group; consists of c18H, b18H1H(2), b18H3(2), b18H4(2), b18H11(2)
 *b18H11 each consists of b18H1, b18H6

25H

25H Pump Body Lifting Lever, Piston End
 25H1 Locating Latch
 25H2 Locating Latch Screw
 a25H3H† Stand, front, Melting Pot, medium
 c25H3H† Stand, front, Melting Pot, large
 25H16 Stand Screw, top, to Casing, Melting Pot, large
 a25H4H† Stand, rear, Melting Pot, medium
 c25H4H† Stand, rear, Melting Pot, large
 Stand Cap (Not supplied separately, order b25H4H or c25H4H)
 25H4* Stand Cap Screw (2), $1 \frac{1}{2} \times \frac{3}{4}$
 25H7 Stand, rear, Screw, (3) $1 \frac{1}{2} \times \frac{3}{4}$
 25H8 Seating, front
 25H10 Seating, front, Screw, $1 \frac{1}{2} \times \frac{3}{4}$, countersunk
 25H9 Seating, rear
 25H12 Seating, rear, Screw, $1 \frac{1}{2} \times \frac{3}{4}$, countersunk
 25H11 Stand, front, Screw, (2), $1 \frac{1}{2} \times \frac{3}{4}$
 25H13 Stand Bush
 25H14* Stand Bush (in valves)
 25H15 Stand Bush Lock Screw (refer after c25H3H)
 Xc25H Pump Body Lifting Lever, Piston End, Melting Pot, medium, group; consists of a25H, b25H3H, b25H4H, 25H7(3), 25H11(2)

Xd25H Pump Body Lifting Lever, Piston End, Melting Pot, large, group; consists of a25HH, c25H3H, c25H4H, 25H7(3), 25H11(2), 25H16

*d25HH consists of a25H, 25H1 and 2, 25H8, 9 and 10, 25H12

†b25H3H consists of b25H3, 25H13

†c25H3H consists of 25H13, 25H13

†b25H4H consists of b25H4, a25H5,

25H6(2), 25H14 and 15
 †c25H4H consists of c25H4, a25H5, 25H6(2), 25H14 and 15
 †Can be fitted only at Workshops

26H

26H Pump Body Lifting Lever, Nozzle End
 Pin
 Pin Nut

a26H3
 a26H4

27H

27H Pump Body Lifting Spring
 27H1 Plate, lower
 a27H2 Pump Body Lifting Spring, group; consists of a27H, 27H1, a27H2

a27H1
 27H1
 a27H2
 X27H

28H

28H Pump Body Operating Rod
 28H1H* Extension
 28H3 Extension Pin
 28H4 Nut (3)
 28H5 Stand
 28H8 Nut Lock Nut (2)
 Xa28H Pump Body Operating Rod, group; consists of a28H, a28H2H, 28H4(3), 28H5(2)
 *a28H2H consists of a28H2, 28H3, 27H1

a28H
 a28H1H*
 28H3
 28H4
 28H5
 Xa28H

29H

29H Pump Body Operating Rod Lever
 Pin
 Pin Split Pin, $\frac{3}{8} \times \frac{3}{4}$
 29H Pump Body Operating Rod Lever, group; consists of 29H, 29H1, 2 and 3

29H
 29H1
 29H2
 29H3
 X29H

31H

31H Pump Body Spring
 31H1 Rod
 31H2 Rod Crosshead
 31H3 Rod Crosshead Eye, to Pump Body Lever (see Plate 25)
 31H4 Rod Crosshead Eye Nut (see Plate 25)
 31H5 Rod Crosshead Eye Pin
 31H6 Rod Crosshead Eye Pin Split Pin, $\frac{3}{8} \times \frac{3}{4}$
 31H7 Rod Crosshead Eye Washer
 31H8 Rod Crosshead Stop Post
 31H9 Rod Crosshead Stop Post Nut
 31H10 Rod Nut, upper
 a31H11 Rod Sleeve
 31H13 Rod Nut, lower
 31H16 Rod Crosshead Collar Stop
 31H17 Rod Nut Lock Nut
 Xb31H Pump Body Spring group; consists of a11H, 31H1 and 2, a31H3, 31H4 and 10 inclusive, a31H11, 31H13, 31H16 and 17

a31H
 31H1
 31H2
 31H3
 31H4
 31H5
 31H6
 31H7
 31H8
 31H9
 31H10
 a31H11
 31H13
 31H16
 31H17
 Xb31H

32H

32H Pump Lever Connecting Link
 Pin (2)
 Pin Split Pin (2), $\frac{3}{8} \times \frac{1}{2}$
 Plunger
 Plunger Spring
 Pump Lever Connecting Link, group; consists of a32H, 32H1(2), 32H2(2), a32H3 and 4

a32H
 32H1
 32H2
 a32H3
 a32H4
 Xa32H

37H

37H Swing Frame
 37H3 Handle
 a37H6 Spring Post, for Pump Body Lifting Spring

b37H3
 a37H6

38H

38H Swing Frame Post
 Bolt, $\frac{3}{8} \times 2 \frac{1}{2}$, hexagon, to Base

38H1

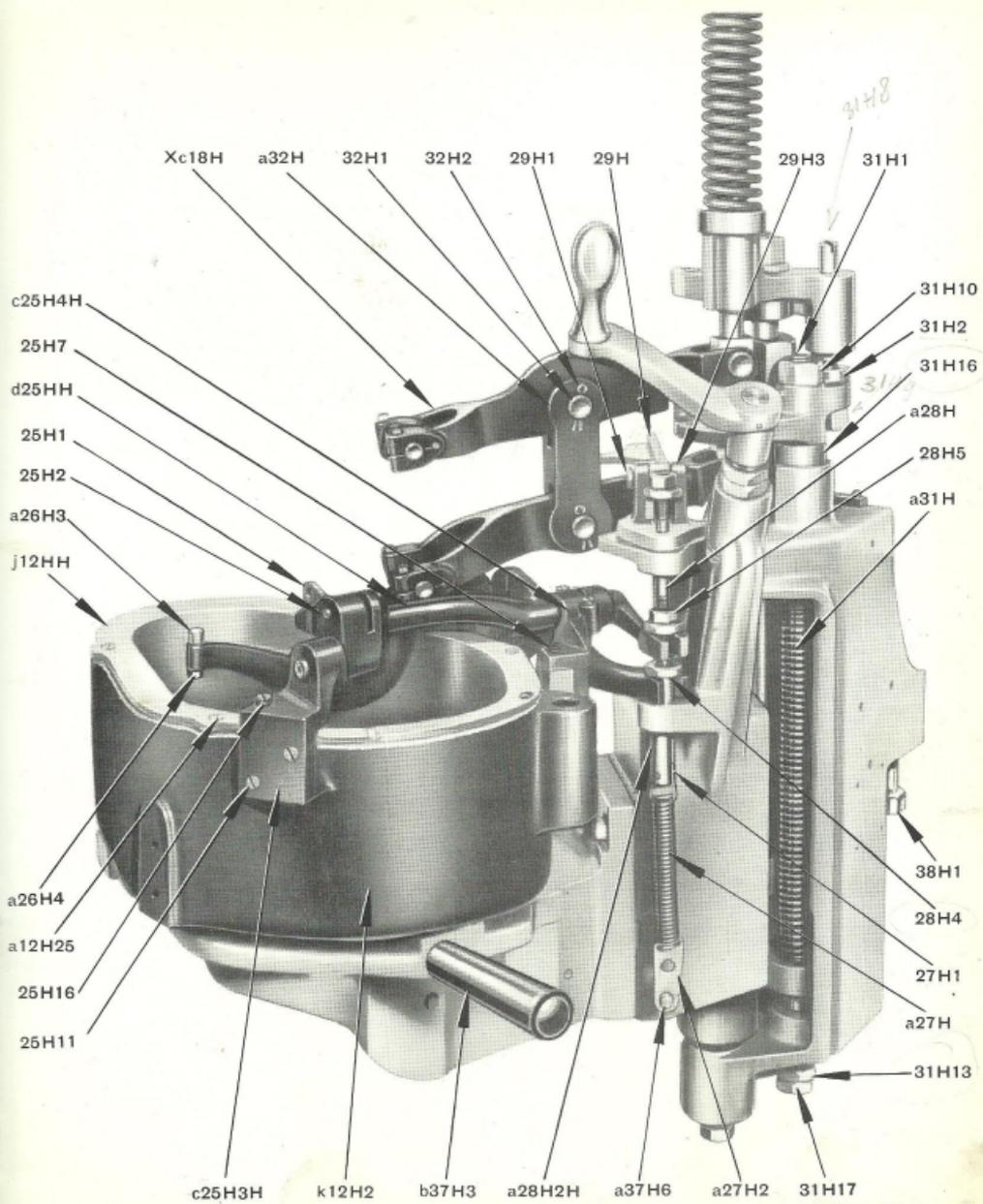


Plate 24

19H

- Piston Operating Rod**
Crosshead, lower
a19H2 Crosshead Taper Pin
a19H3 Crosshead, upper
19H4 Nut
a19H4 Nut, Pump Stroke Counter Attachment (see Plate 51)
a19H5 Crosshead Stud, Type and Rule Caster and Display Attachment for Composition Caster (see Plate 35)
a19H6 Crosshead Stud Nut (see Plate 35)
a19H7 Crosshead Stud Nut Lock Nut (see Plate 35)
X19H Piston Operating Rod group; consists of 19H, 19H1, a19H2 and 3, 19H4
Xa19H Piston Operating Rod, Type and Rule Caster and Display Attachment for Composition Caster, group; consists of 19H, 19H1, a19H2 and 3, 19H4, a19H5, 6 and 7

20H

- Piston Spring**
a20H1 Piston Spring, strengthened, Type and Rule Caster and Display Attachment for Composition Caster
b20H Piston Spring, inner
a20H1† Rod, Type and Rule Caster and Display Attachment for Composition Caster
c20H1 Rod, Type and Rule Caster and Display Attachment for Composition Caster (see Plate 35)
a20H2 Rod Eye
c20H3 Rod Eye Pin
20H4 Rod Eye Pin Split Pin, $\frac{1}{2}$ " x $\frac{1}{8}$ "
20H5 Rod Nut
a20H5† Rod Nut, knurled, Type and Rule Caster and Display Attachment for Composition Caster
c20H5 Rod Nut
a20H6 Washer
b20H7 Rod Sleeve, Type and Rule Caster and Display Attachment for Composition Caster (see Plate 35)
a20H9† Rod Thrust Bearing, Type and Rule Caster and Display Attachment for Composition Caster
20H11 Piston Spring, outer
a20H12 Abutment
20H13 Rod Nut Lock Nut
Xa20H1 Piston Spring, strengthened, Type and Rule Caster and Display Attachment for Composition Caster, group; consists of a20H, a20H1, b20H5, a20H7, a20H9, 20H11
Xd20H Piston Spring group; consists of b20H, b20H1, a20H2, 20H3 and 4, c20H5, a20H6, 20H11, a20H12, 20H13
Xe20H Piston Spring, Type and Rule Caster and Display Attachment for Composition Caster, group; consists of b20H, c20H1, a20H2, 20H3 and 4, c20H5, b20H7, 20H11, a20H12, 20H13
*Composition Casters numbered 22001 to 22699 inclusive were equipped with these parts

†Type and Rule Casters numbered 1240 to 1289 inclusive and Display Attachments supplied on and after June 1945 and prior to 1st November 1949 were equipped with these parts

21H

- Pump Bell Crank**
21H Shaft
21H1 Shaft Set Screw
X21H Pump Bell Crank group; consists of 21H, 21H1 and 2

24H

- Pump Body Lever** (Not supplied separately, order Xc24H)
c24H Block (2)
b24H1H* Block Bearing Pin Lock Screw, in Lever (2)
b24H3 Block Bearing Pin (2)
b24H6 Block Pin, in Block (2)
b24H11 Block Stop Pin, in Lever (2)
Xc24H Pump Body Lever group; consists of c24H, b24H1H(2), b24H3(2), b24H4(2), b24H11(2)
*b24H1H each consists of b24H1, b24H6

26H

- Pump Body Lifting Lever, Nozzle End**
a26H1 Stud
26H2 Nut
a26H3 Pin (see Plate 24)
a26H4 Pin Nut (see Plate 24)
Xb26H Pump Body Lifting Lever, Nozzle End, group; consists of b26H, a26H1, 26H2
*b26H consists of b26H, a26H3 and 4

31H

- Pump Body Spring**
a31H3 Rod Crosshead Eye, to Pump Body Lever
31H4 Rod Crosshead Eye Nut

37H

- Swing Frame**
b37H Guide Block
37H1 Guide Block Screw (2), $\frac{1}{2}$ " x $\frac{1}{2}$ "
37H2 Handle (see Plate 24)
a37H3 Spring Post, for Pump Body Lifting Spring (see Plate 24)
a37H9 Adjusting Screw, long
a37H10 Adjusting Screw, short (2)
a37H11 Bush
a37H12* Table
a37H13 Table Bolt (3), $\frac{3}{8}$ " x $1\frac{1}{2}$ ", hexagon
a37H14 Worm Shaft
a37H15 Worm Shaft Nut
a37H16 Worm Shaft Thrust Bearing
a37H17 Worm Shaft Thrust Bearing Washer
37H22 Worm Shaft Nut Lock Nut
Xb37H Swing Frame group; consists of b37H, 37H1, 37H2(2), b37H3, a37H6, a37H9, a37H10(2), a37H11 and 12, a37H13(3), a37H14 to 17 inclusive, 37H22
*Can be fitted only at Workshops

38H

- Swing Frame Post**
d38H Bolt, $1\frac{1}{2}$ " x $2\frac{1}{2}$ ", hexagon, to Base (see Plate 24)
38H* Screw, lower, $\frac{1}{2}$ " x $1\frac{1}{2}$ ", to Main Stand Screw, lower, $\frac{1}{2}$ " x $\frac{3}{4}$ ", hexagon, to Main Stand
a38H4 Screw, upper, $1\frac{1}{2}$ " x $1\frac{1}{2}$ ", to Main Stand Screw, upper, $1\frac{1}{2}$ " x $2\frac{1}{2}$ ", hexagon, to Main Stand
38H5 Oil Pipe, Pump Bell Crank, short
38H8 Oil Pipe, Piston Operating Rod Crosshead
38H9 Oil Pipe, Pump Bell Crank, long
38H10 Oil Pipe Cover
38H11 Oil Pipe Cover
38H12 Oil Pipe Cover Screw (2)
38H13 Oil Pipe Clamp (2)
38H14 Oil Pipe Clamp Screw (2), $\frac{1}{2}$ " x $\frac{1}{2}$ "
Xd38H Swing Frame Post group; consists of d38H, 38H1, a38H4 and 5, 38H7 to 11 inclusive, 38H12(2), 38H13(2), 38H14(2)
*Composition Casters numbered 22001 to 22366 inclusive and Type and Rule Casters numbered 1240 to 1284 inclusive were equipped with these parts

39H

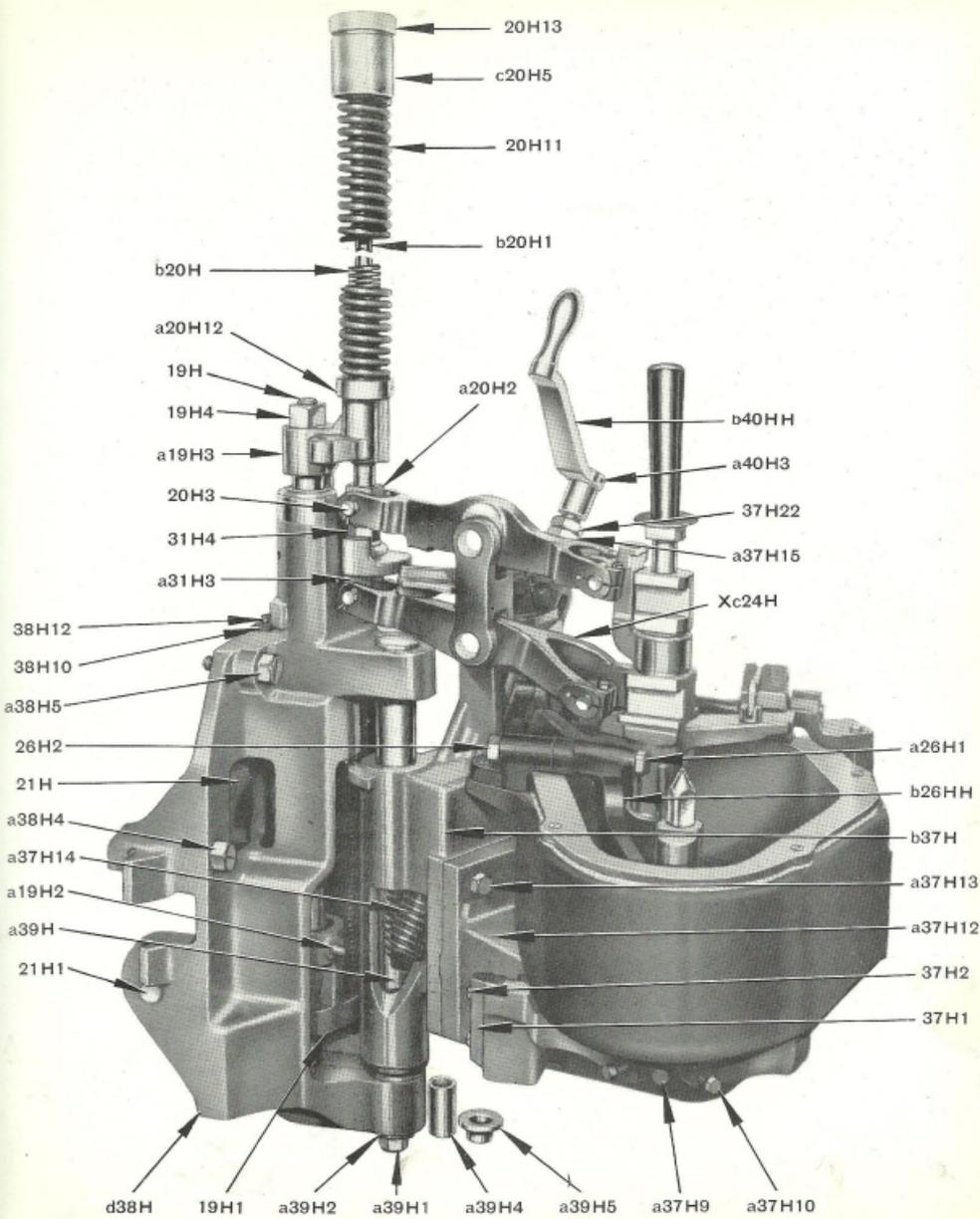
- Swing Frame Rack**
a39H Nut
a39H1 Washer, small
a39H4 Sleeve
a39H5 Bush
Xa39H Swing Frame Rack group; consists of a39H, a39H1 and 2, a39H4 and 5

40H

- Swing Frame Wormshaft Crank**
b40H1† Handle
a40H4 Handle Taper Pin, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a40H3 Swing Frame Wormshaft Crank group; consists of b40H1, a40H3
*b40H1H consists of b40H, a40H4
†Can be fitted only at Workshops

75CU

- Duplex Piston Spring Attachment**
Object—To improve the quality of type by adopting Duplex Piston Springs
For Composition Casters numbered 22001 to 22699 inclusive
Duplex Piston Spring Attachment; consists of b20H, b20H1, a20H6, c20H5, 20H11, a20H12, 20H13
For Composition Casters numbered 22001 to 22699 inclusive equipped with Display Attachment supplied on and after June 1945 and prior to 1st November 1949, Type and Rule Casters numbered 1240 to 1289 inclusive
75CU Duplex Piston Spring Attachment; consists of b20H, c20H1, c20H5, b20H7, 20H11, a20H12, 20H13



- 20H13
- c20H5
- 20H11
- b20H1
- b20H
- a20H12
- 19H
- 19H4
- a19H3
- 20H3
- 31H4
- a31H3
- 38H12
- 38H10
- a38H5
- 26H2
- 21H
- a38H4
- a37H14
- a19H2
- a39H
- 21H1
- d38H
- 19H1
- a39H2
- a39H1
- a39H4
- a39H5
- a37H9
- a37H10
- a20H2
- b40HH
- a40H3
- 37H22
- a37H15
- Xc24H
- a26H1
- b26HH
- b37H
- a37H13
- a37H12
- 37H2
- 37H1

14H

- 14H Nozzle, No. 1, Composition
b14H Nozzle, No. 12, Stainless Steel, Composition (Use in place of Nozzle No. 1 with high grade metal)
 a14H2 Nozzle, No. 2, Display
c14H2 Nozzle, No. 13, Display (Use in place of Nozzle No. 2 with high grade metal)
 a14H4 Nozzle, Lead and Rule
14H7 Nozzle, No. 9, for Composition sizes of thin spaces

17H

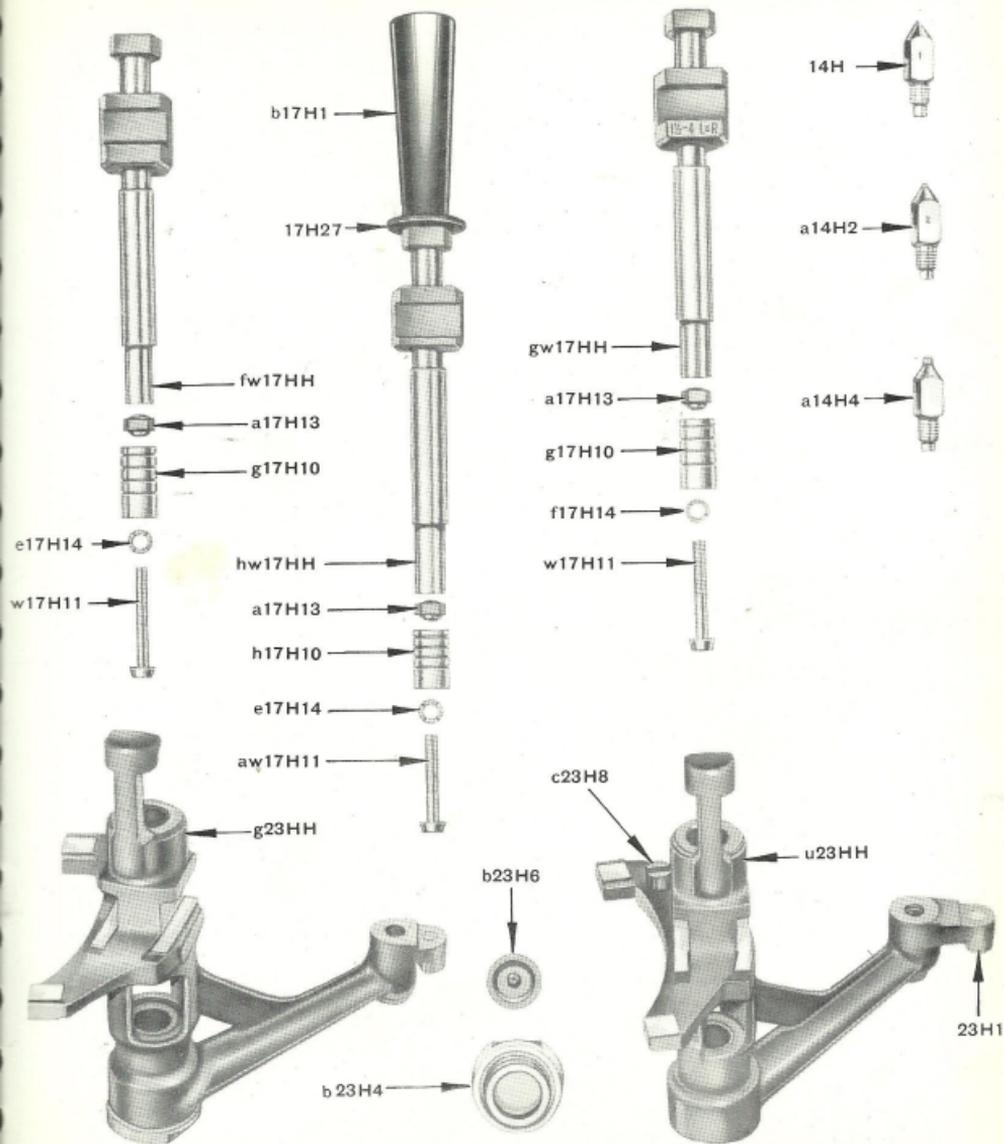
- fw17HH* Piston, $\frac{3}{8}$ " diameter, $\frac{1}{2}$ " stroke
 gw17HH† Piston, $\frac{3}{8}$ " diameter, $\frac{1}{2}$ " stroke, 1½ to 4 point and didot Lead and Rule
 hw17HH‡ Piston, $\frac{3}{8}$ " diameter, $\frac{11}{16}$ " stroke, 6 to 12 point and didot Lead and Rule
 b17H1 Stem Handle
 g17H10 Stem End, for fw17HH, gw17HH
 h17H10 Stem End, for hw17HH
 w17H11 Stem End Screw, for fw17HH, gw17HH
 aw17H11 Stem End Screw, for hw17HH
 a17H13 Stem End Screw Washer, Metal Inlet, for fw17HH, hw17HH
 e17H14

- f17H14 Stem End Screw Washer, Metal Inlet, for gw17HH
 17H27 Stem Handle Washer
 Xfw17H Piston, $\frac{3}{8}$ " diameter, $\frac{1}{2}$ " stroke, group; consists of fw17H4, b17H1, 17H27
 Xgw17H Piston, $\frac{3}{8}$ " diameter, $\frac{1}{2}$ " stroke, 1½ to 4 point and didot Lead and Rule, group; consists of gw17HH, b17H1, 17H27
 Xhw17H Piston, $\frac{3}{8}$ " diameter, $\frac{11}{16}$ " stroke, 6 to 12 point and didot Lead and Rule, group; consists of hw17HH, b17H1, 17H27
 *fw17HH consists of fw17H, g17H10, w17H11, a17H13, e17H14
 †gw17HH consists of gw17H, g17H10, w17H11, a17H13, f17H14
 ‡hw17HH consists of hw17H, h17H10, aw17H11, a17H13, e17H14

23H

- g23HH* Pump Body, $\frac{1}{2}$ " diameter
 u23HH† Pump Body, $\frac{3}{8}$ " diameter, Lead and Rule Attachment
 23H1 Bearing, Nozzle End
 b23H4 Plug, bottom
 b23H6 Fin Valve
 a23W7 Bush, lower
 c23W2 Bush Pin

- c23H8 Lug, loose
c23H15 Liner, right hand
c23H16 Liner, left hand
b23H17 Liner Rivet, long (2)
b23H18 Liner, front
b23H20 Liner Rivet
b23H19 Liner, rear
23H29 Liner Rivet
c23H23 (refer after a23H7)
f23H27 Bush, upper
23H29 (refer after b23H19)
 Xg23H Pump Body and Piston, $\frac{3}{8}$ " diameter, group; consists of Xfw17H, g23HH
 Xk23H Pump Body, $\frac{3}{8}$ " diameter, and Piston, $\frac{11}{16}$ " stroke, Display Attachment, group; consists of Xhw17H, g23HH
 Xu23H Pump Body and Piston, $\frac{1}{2}$ " diameter, Lead and Rule Attachment, group; consists of Xgw17H, u23HH
 *g23HH consists of g23H, 23H1, b23H4, b23H6, a23H7, c23H8, c23H15 and 16, b23H17(2), b23H18, 19 and 20, c23H23, f23H27, 23H29
 †u23HH consists of u23H, 23H1, b23H4, b23H6, a23H7, c23H8, c23H15 and 16, b23H17(2), b23H18, 19 and 20, c23H23, f23H27, 23H29
 ‡Can be fitted only at Workshops



79E

b79E Water Connection, front
a79E Screw (3), $\frac{1}{2}$ " x $\frac{1}{2}$ "
Xb79E Water Connection, front, group; consists of b79E, a79E(1)(3)

1H

b1H Air Pipe, copper
1H2 Air Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ " (2)
1H3 Air Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a1H4 Air Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a1H5 Air Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a1H13 Air Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
1H6 Elbow, $\frac{1}{2}$ " Composition Caster (4), Type and Rule Caster (3)
1H7 Expansion Elbow
a1H7* Expansion Elbow, Leading Attachment
a1H7* Mould Attachments (see Plate 57)
c1H7 Expansion Elbow, Leading and Mathematical Attachments (see Plates 48, 58)

1H8 Expansion Elbow Nut
1H9 Expansion Elbow Packing, leather (2)
1H11 Tee, $\frac{1}{2}$ "
a1H12 Union, Brass
a1H13 (refer after a1H5)
a1H14 Union, iron, $\frac{1}{2}$ "
a1H15 Union, iron, Packing, rubber
1H16 Socket
1H17 Reducer Nipple, $\frac{1}{2}$ " x $\frac{1}{2}$ "
1H18 Connector, brass
1H19 Elbow 90°, Air Blower Attachment
1H22 Hose, rubber, Air Blower Attachment
1H23 Hose Clip (2)
1H24 Nozzle, (2), for Hose, Air Blower Attachment
1H25 Reducer, $\frac{1}{2}$ " to $\frac{1}{4}$ ", Air Blower Attachment
1H26 Expansion Elbow Pipe Connector, Mathematical Attachment (see Plate 58)

1H27 Expansion Elbow Pipe Connector, Lock Nut, Mathematical Attachment
1H28 Expansion Elbow Plug (2), Leading and Mathematical Attachments (see Plates 48, 58)

Xa1H Air Pipe group; consists of b1H, 1H2(2), 1H3, a1H4 and 5, 1H6(4), 1H7 and 8, 1H9(2), 1H11, a1H12 to 15 inclusive, 1H16, 17 and 18
Xe1H Air Pipe, Type and Rule Caster, group; consists of b1H, a1H4 and 5, 1H6(3), a1H12 to 15 inclusive, 1H16, 17 and 18
*Attachments supplied on and after June 1945 and prior to March 1954 were equipped with this part

2H

a2H Air Cock, Air Supply, $\frac{1}{2}$ "
a2H assd.* Air Cock and Piping, assembled
a2H1 Air Cock, Air Blase
Xb2H Air Cock group; consists of a2H, a2H1
*a2H assd. consists of a1H5, 1H6, a1H14 and 15, 1H16 and 17, a2H

9H

9H Gas Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
9H assd.* Gas Pipe, assembled
a9H1 Gas Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a9H2 Gas Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a9H2 assd.† Gas Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a9H3 Gas Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a9H10 Gas Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
9H5 Elbow, 90° (4)
9H7 Nipple, $\frac{1}{2}$ ", for Hose
a9H8 Union
a9H9 Union Packing, rubber
a9H10 (refer after a9H3)
9H12 Nipple, Reducing, $\frac{3}{4}$ " to $\frac{1}{2}$ "
Xa9H Gas Pipe group; consists of 9H assd., a9H2
*9H assd. consists of 9H1, 9H5(1), a9H8 and 9, 9H12

to 9H2 assd. consists of a9H1 and 2, 9H5(3), 9H7, a9H10

16H

c16HH* Pipe Bracket
a16H1 Screw (2), $\frac{1}{2}$ " x $1\frac{1}{2}$ " to Base
a16H3 Screw, $\frac{1}{2}$ " x $\frac{1}{2}$ " for clamping Pipe
a16H4 Plug, $\frac{1}{2}$ " Pipe
a16H5 Plug, $\frac{1}{2}$ " x 24 threads
Xc16H Pipe Bracket group; consists of c16HH, a16H1(2), a16H4
*c16HH consists of c16H, a16H3, a16H5 and 6

42H

a42HH* Water Escape Valve
a42H16 Nipple, reducing
a42H17 Bush, reducing
a42H18 Reducer (2), $\frac{1}{2}$ " x $\frac{1}{2}$ "
42H19 Diaphragm
Xc42H Water Escape Valve group; consists of a42HH, a42H16 and 17
*c42HH consists of a42H, 42H18(2)

43H

b43H Water Pipe, Drain, copper, $\frac{3}{8}$ " x $2\frac{1}{2}$ "
b43H1 Water Pipe, Drain, copper, $\frac{3}{8}$ " x $2\frac{1}{2}$ "
43H2 Union, $\frac{3}{8}$ "
a43H3 Water Pipe, Drain, copper, 190° x $1\frac{1}{2}$ "
Xc43H Water Pipe, Drain, copper, from Main Stand, group; consists of b43H, b43H1, 43H2, a43H3

44H

a44H Water Pipe, Drain, copper, Part 1
a44H2 Union
a44H3 Water Pipe, Drain, copper, Part 2
44H4 Connector
Xb44H Water Pipe, Drain, copper, from Mould, group; consists of a44H, a44H2, b44H3, 44H4

45H

b45H3 Water Supply Pipe, copper
b45H4* Water Supply Pipe, iron, $\frac{1}{2}$ " x $3\frac{1}{2}$ "
b45H5* Water Supply Pipe, iron, $\frac{1}{2}$ " x $3\frac{1}{2}$ "
a45H5† Water Supply Pipe, copper
b45H6* Water Supply Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
b45H7* Water Supply Pipe, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
b45H8 Elbow, iron, $\frac{1}{2}$ " (1 or 3)
b45H9† Union, iron
b45H10† Union Packing
a45H11 Nipple
a45H12 Nipple, reducing, $\frac{1}{2}$ " to $\frac{1}{4}$ "
a45H16 Union, Nipple (2)
a45H17 Union Nut (2)
a45H19 Connector (2)
45H21 Water Supply Pipe, copper, to Strainer
a45H22 Connector, to Strainer (2)
45H23 Strainer, "Sprax"
45H24 Strainer Bracket
45H25 Strainer Bracket Clamp Bolt, $\frac{1}{2}$ " x $\frac{1}{2}$ ", hexagon
45H26 Strainer Bracket Clamp Bolt Nut
45H27 Strainer Bracket Clamp Screw (2), $\frac{1}{2}$ " x $\frac{1}{2}$ ", hexagon, to Base
45H28 Strainer Washer
45H29 Strainer Gauge
X45H† Water Supply Pipe group; consists of b45H3 to 6 inclusive, a45H7, b45H8(3), b45H9 and 10, a45H12 and 13, 45H16(2), 45H17(2)
Xa45H† Water Supply Pipe, copper, group; consists of b45H3, b45H5, b45H8, a45H12 and 13, 45H16(2), 45H17(2), 45H19(2), 45H21, 45H22, 45H24, 45H25 and 26, 45H27(2)
*Composition Casters numbered 22001 to 22724 inclusive and Type and Rule

Casters numbered 1240 to 1295 inclusive were equipped with these parts
†Composition Casters numbered 22725 to 24490 inclusive and Type and Rule Casters numbered 1296 to 1368 inclusive were equipped with these parts

46H

a66H† Water Pipe, Drain, iron, $\frac{1}{2}$ " x $4\frac{1}{2}$ "
a66H1† Water Pipe, Drain, iron, $\frac{1}{2}$ " x $4\frac{1}{2}$ "
a66H1 assd.* Water Pipe and Union, assembled
a66H2† Water Pipe, Drain, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a66H3† Water Pipe, Drain, iron, $\frac{1}{2}$ " x $1\frac{1}{2}$ "
a66H4 Elbow, iron, $\frac{1}{2}$ " (1 or 3)
a66H5† Union
a66H6† Union Packing
a66H7 Nipple, reducing, $\frac{1}{2}$ " to $\frac{1}{4}$ "
46H8 Connector to Bracket
46H9 Connector to Elbow
Xb46H† Water Pipe, Drain, group; consists of a66H, a66H1 assd., a46H2 and 3, a46H4(2)

Xc46H Water Piping, Drain, copper, group; consists of a66H3, a66H4, 46H7, 8 and 9
*a66H1 assd. consists of a46H1, a46H4(1), a46H5 and 6, 46H7
†Composition Casters numbered 22001 to 22724 inclusive and Type and Rule Casters numbered 1240 to 1295 inclusive were equipped with these parts

47H

a47HH* Water Pipe Connection, side, on Main Stand
a47H1 Screw (3), $\frac{1}{2}$ " x $\frac{1}{2}$ "
47H2 Plug, $\frac{1}{2}$ " x $\frac{1}{2}$ "
47H3 Plug (2), $\frac{1}{2}$ " x $\frac{1}{2}$ "
Xc47H Water Pipe Connection, side, on Main Stand, group; consists of a47HH, a47H1, 47H2, 47H3
*c47HH consists of a47H, 47H2, 47H3(2)

48H

a48HH* Water Supply Valve
b48H19 Nipple, reducing, $\frac{1}{2}$ " to $\frac{1}{4}$ " Pipe
b48H20 Nipple, short
48H21 Reducer (2), $\frac{1}{2}$ " to $\frac{1}{4}$ "
48H22 Diaphragm
Xc48H Water Supply Valve group; consists of a48HH, b48H19 and 20
*c48HH consists of a48H, 48H21(2)

52H

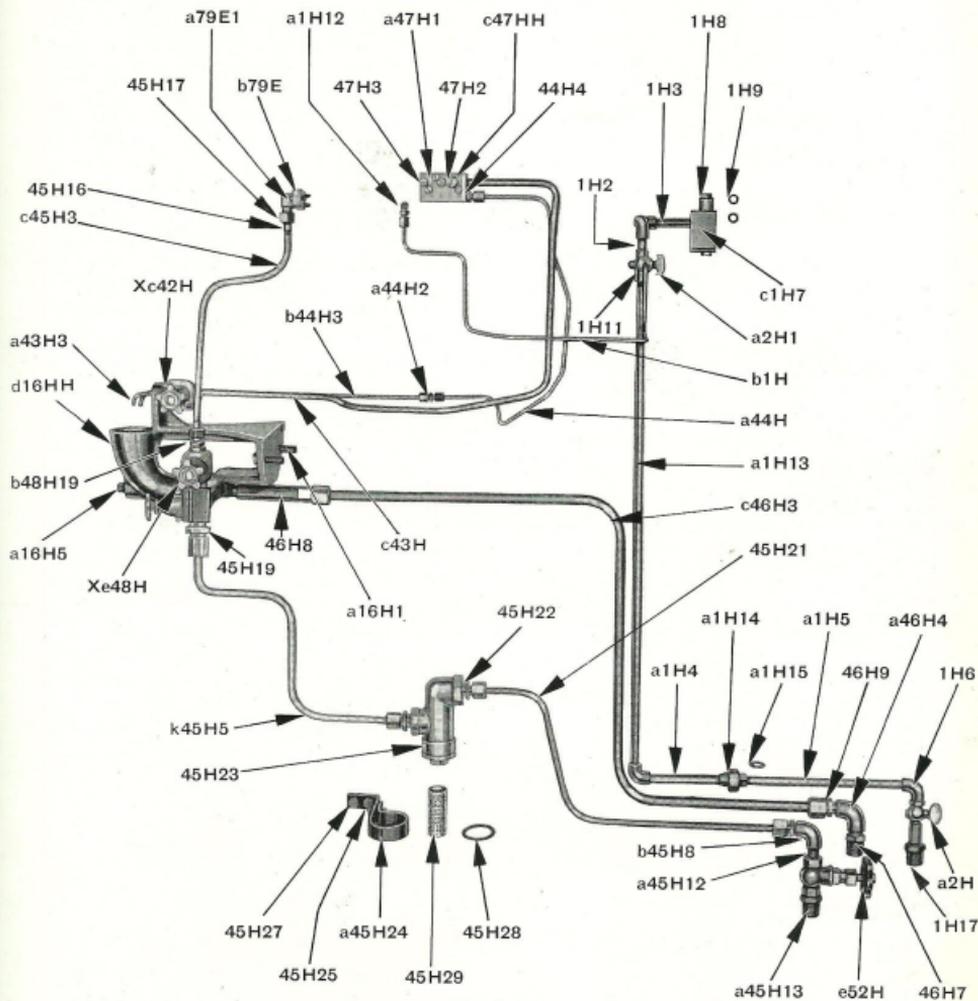
a52H assd.* Water Supply Valve and Piping assd.
e52H Water Supply Valve
52H2 Diaphragm
*e52H assd. consists of e52H, b45H18(1), a52H12 and 13, 45H19

73CU

Water Piping (supply and drain, copper) Attachment
Object—To prevent corrosion, by fitting copper water supply and drain pipes in place of iron
For Composition Casters numbered 22001 to 22724 inclusive and Type and Rule Casters numbered 1240 to 1295 inclusive
Water Piping (supply and drain, copper) Attachment; consists of g45H3, 45H19(2), a46H3, 46H8 and 9

88CU

Water Supply Pipe Strainer Attachment
Object—To provide a "Sprax" strainer for the water supply
For Composition Casters numbered 22725 to 24490 inclusive, Type and Rule Casters numbered 1296 to 1368 inclusive
Water Supply Pipe Strainer Attachment; consists of b45H5, 45H21, 45H22(2), 45H23, a45H24, 45H25 and 26, 45H27(2)



a70H38 Gas Supply Pipe, Inlet (2), 4" x 3 1/2"
 a70H40 Gas Supply Pipe Elbow, 135°
 70H41 Gas Supply Pipe, Outlet, 4" x 7 1/2"
 70H42H§ Gas Supply Hose, Regulator to
 Burner
 70H43 Gas Supply Hose Clip (2)
 70H44 Gas Supply Pipe Nipple, 1/2" for
 Hose
 70H45 (refer after 70H37)
 70H50 (refer after 70H35)
 Xb70H(c) Temperature Regulator, Centigrade
 group; consists of b70H1H assd.
 (c), 70H42H
 Xb70H(f) Temperature Regulator, Fahrenheit,
 group; consists of b70H1H assd.
 (f), 70H42H
 *b70H1H(c) or (f) consists of b70H1,
 70H3, 70H4(5), 70H5 to 10 in-
 clusive, a70H11, 70H12 to 19 in-
 clusive, 70H22 and 23, a70H24
 and 25, 70H26 and 27, b70H28,
 70H29, a70H30(2), 70H31, 32 and
 33, a70H34, 70H35, 70H50
 †b70H1H assd. (c) or (f) consists of
 b70H1H (c) or (f), 70H36 assd.,
 a70H38(2), a70H40, 70H41, 70H44,
 ‡70H36 assd. consists of 70H36,
 70H37(2), 70H45
 §70H42H consists of 70H42, 70H43(2)
 ¶These parts of the Temperature Regu-
 lator are not supplied separately.
 The Regulator should be returned
 to our Factory for which an ex-
 change Regulator will be supplied

16CU

**Melting Pot, Electric Heater and
 Temperature Regulator Attach-
 ment**

Object—To use electricity for
 heating the metal in the Melting
 Pot

Specify Current, Voltage, Centi-
 grade or Fahrenheit

For Composition Casters numbered
 20167 and over; Type and Rule
 Casters numbered 1120 and over

e16CU Melting Pot, medium, Electric Heat-
 er and Temperature Regulator,
 Funditor, Attachment; consists of
 h12H, a12H25(4), a12H41, 12H50,
 Xk53H

For Composition Casters numbered
 20167 and over; Type and Rule
 Casters numbered 1120 and over

d16CU Melting Pot, medium, Electric Heat-
 er and Temperature Regulator,
 Rototherm, Attachment; consists of
 h12H, a12H25(4), a12H41,
 12H50, Xf53H

For Composition Casters numbered
 20167 and over; Type and Rule
 Casters numbered 1120 and over

e16CU Melting Pot, large, with Pump Body
 Lifting Levers, Electric Heater and
 Temperature Regulator, Roto-
 therm, Attachment; consists of
 j12H, k12H2, 12H8, a12H9(2),
 a12H10(2), a12H11(2), a12H18,
 a12H19(2), a12H20(2), a12H25(4),
 b12H41, 12H47, 12H48(3),
 a12H50, Xd25H, Xb26H, Xe53H

For Composition Casters numbered
 20167 and over; Type and Rule
 Casters numbered 1120 and over

f16CU Melting Pot, large, with Pump Body
 Lifting Levers, Electric Heater and
 Temperature Regulator, Funditor,
 Attachment; consists of e16CU,
 but with Xm53H in place of Xe53H

For Composition Casters numbered 20167
 and over; Type and Rule Casters num-
 bered 1120 and over

d16CU Melting Pot, medium, Electric Heater and
 Temperature Regulator, Rototherm,
 Attachment; consists of h12H, a12H25
 (4), a12H41, 12H50, Xf53H

For Composition Casters numbered 20167
 and over; Type and Rule Casters num-
 bered 1120 and over

e16CU Melting Pot, large, with Pump Body Lifting
 Levers, Electric Heater and Temperature
 Regulator, Rototherm, Attachment;
 consists of j12H, k12H2, 12H8, a12H9(2),
 a12H10(2), a12H11(2), a12H18, a12H19
 (2), a12H20(2), a12H25(4), b12H41
 12H47, 12H48(3), a12H50, Xd25H,
 Xb26H, Xe53H

For Composition Casters numbered 20167
 and over; Type and Rule Casters num-
 bered 1120 and over

f16CU Melting Pot, large, with Pump Body Lifting
 Levers, Electric Heater and Temperature
 Regulator, Funditor, Attachment; con-
 sists of e16CU, but with Xm53H in place
 of Xe53H

<i>a70H38</i>	Gas Supply Pipe, Inlet (2), $\frac{1}{2} \times 3\frac{1}{2}$ "
<i>a70H40</i>	Gas Supply Pipe Elbow, 135°
<i>70H41</i>	Gas Supply Pipe, Outlet, $\frac{1}{2} \times 7\frac{1}{2}$ "
<i>70H42H§</i>	Gas Supply Hose, Regulator to Burner
<i>70H43</i>	Gas Supply Hose Clip (2)
<i>70H44</i>	Gas Supply Pipe Nipple, $\frac{1}{2}$ " for Hose
<i>70H45</i>	(refer after 70H37)
<i>70H50</i>	(refer after 70H35)
<i>Xb70H(c)</i>	Temperature Regulator, Centigrade, group; consists of b70H1H asssd. (c), 70H42H
<i>Xb70H(f)</i>	Temperature Regulator, Fahrenheit, group; consists of b70H1H asssd. (f), 70H42H
	*b70H1H(c) or (f) consists of b70H1, 70H3, 70H4(5), 70H5 to 10 inclusive, a70H11, 70H12 to 19 inclusive, 70H22 and 23, a70H24 and 25, 70H26 and 27, b70H28, 70H29, a70H30(2), 70H31, 32 and 33, a70H34, 70H35, 70H50
	†b70H1H asssd. (c) or (f) consists of b70H1H (c) or (f), 70H36 asssd., a70H38(2), a70H40, 70H41, 70H44, ‡70H36 asssd. consists of 70H36, 70H37(2), 70H45
	§70H42H consists of 70H42, 70H43(2)
	¶These parts of the Temperature Regulator are not supplied separately. The Regulator should be returned to our Factory for which an exchange Regulator will be supplied

16CU

Melting Pot, Electric Heater and Temperature Regulator Attachment

Object—To use electricity for heating the metal in the Melting Pot

Specify Current, Voltage, Centigrade or Fahrenheit

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

c16CU Melting Pot, medium, Electric Heater and Temperature Regulator, Funditor, Attachment; consists of h12H, a12H25(4), a12H41, 12H50, Xk53H

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

d16CU Melting Pot, medium, Electric Heater and Temperature Regulator, Rototherm, Attachment; consists of h12H, a12H25(4), a12H41, 12H50, Xf53H

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

e16CU Melting Pot, large, with Pump Body Lifting Levers, Electric Heater and Temperature Regulator, Rototherm, Attachment; consists of j12H, k12H2, 12H8, a12H9(2), a12H10(2), a12H11(2), a12H18, a12H19(2), a12H20(2), a12H25(4), b12H41, 12H47, 12H48(3), a12H50, Xd25H, Xb26H, Xe53H

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

f16CU Melting Pot, large, with Pump Body Lifting Levers, Electric Heater and Temperature Regulator, Funditor, Attachment; consists of e16CU, but with Xm53H in place of Xe53H

	12H	Element, Connecting Box, complete, for Melting Pots, large and medium, Rototherm, specify voltage	<i>Xaw53H</i>	Electric Heater, for Melting Pot, large, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), c53H10 assd., 53H22, 53H25(4), 53H26, b53H46H, 53H49 and 50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
c12H36 a12H37	Melting Pot, medium and large Clip (3), for Element Clip, Screw (4), $\frac{3}{8} \times \frac{1}{2}$, counter-sunk			
12H38 12H39 12H51	Clip, for Thermostat Clip, Screw, $\frac{3}{8} \times \frac{1}{2}$ Clip, for Element and Thermal Bulb			
	49H			
	GAS AND GAS-ELECTRIC MELTING POT			
a49H	Gas Hose, Armoured $\frac{3}{8} \times 26\frac{1}{2}$ " (Not supplied separately, order Xa49H)	53H22 53H22 53H25 53H39		
49H1 Xa49H	Gas Hose, Armoured, 3 Burner Gas Burner, group; consists of 49H, 49H1(2)	53H26 53H34 53H22 53H35		
	53H			
53H22††† a53H24* 53H34‡	Ammeter, Funditor Ammeter, Rototherm Bourdon Tube and Mercury Expansion Element, Funditor	53H36 53H37 53H38		
a53H31‡	Bourdon Tube and Mercury Expansion Element, complete with Adapter Plate, Funditor	53H39		
a53H31††	Bourdon Tube and Mercury Expansion Element, complete with Adapter Plate, Funditor	53H45		
a53H31†††	Bourdon Tube and Mercury Expansion Elbow, Rototherm			
a53H3	Bourdon Tube and Mercury Expansion Element, Rototherm	a53H46H**		
53H3	Operating Cylinder and Mercury Expansion Element	53H346H†††		
53H3‡	Mercury Glass Tube Switch, Funditor	a53H46H‡		
a53H5***	Mercury Glass Tube Switch, Rototherm	53H47		
b53H6	Support Screw (2), $\frac{1}{2} \times \frac{3}{8}$, to Melting Pot Casing, Varigear Attachment	53H48		
d53H6	(refer after 53H48)	d53H6		
53H7†††	Rotary Switch, Funditor	53H49		
a53H7†††	Rotary Switch, Rototherm	53H49		
b53H7†††	Rotary Switch, Rototherm (refer after 53H25)	a53H49		
b53H9	Element, Part 1, for Melting Pot, medium, Rototherm, specify voltage	53H50		
a53H10	Element, Part 1, for Melting Pot, large, Rototherm, specify voltage	53H51		
a53H10	Element, Part 1, for Melting Pot, medium, Funditor, specify voltage	53H52		
a53H10	Element, Part 1, for Melting Pot, large, Funditor, specify voltage	53H53		
a53H10 assd.*	Element, complete, for Melting Pot, medium, Rototherm, specify voltage	53H54		
a53H10 assd.†	Element, complete, for Melting Pot, large, Rototherm, specify voltage	53H55		
a53H10 assd.‡	Element, complete, for Melting Pot, medium, Funditor, specify voltage	53H56		
a53H10 assd.§	Element, complete, for Melting Pot, large, Funditor, specify voltage	53H57 53H58		
a53H11	Element, Part 2, for Melting Pot, medium, Rototherm, specify voltage	a53H59		
a53H11	Element, Part 2, for Melting Pot, large, Rototherm, specify voltage	53H60 53H61		
d53H11	Element, Part 2, for Melting Pot, medium, Funditor, specify voltage	53H62 53H63 53H64		
a53H11	Element, Part 2, for Melting Pot, large, Funditor, specify voltage	53H65		
53H15H	Element, Connecting Box, complete, for Melting Pot, medium, Funditor, specify voltage	53H66 53H67		
b53H15H	Element, Connecting Box, complete, for Melting Pots, large and medium, Rototherm, specify voltage			
c53H15H	Element, Connecting Box, complete, for Melting Pot, large, Funditor, specify voltage			
53H18888	Control Box, with Leads, to mains, Funditor			
b53H18†††	Control Box, with Leads, to mains, Rototherm			
53H18 assd.	Control Box, with Leads, and Switch Socket, to mains, Funditor			
b53H18 assd.*†††	Control Box, with Leads, and Switch Socket, to mains, Rototherm			
53H22	Switch Socket			
b53H22	(Refer after 53H34)			
53H25	Switch Socket Distance Piece (4)			
b53H29	Switch Socket Distance Piece Screw (4), $\frac{3}{8} \times \frac{3}{8}$, to Swing Frame (2)			
53H26	Switch Socket Fused Plug, 3 amp			
53H34	Terminal Box Cover			
b53H22	Terminal Box			
53H35	Terminal Box Cover Screw (4), 4BA $\times \frac{3}{8}$			
53H36	Terminal Box Terminal Block			
53H37	Terminal Box Terminal Block Bolt (2), $\frac{1}{2} \times \frac{3}{8}$			
53H38	Terminal Box Terminal Block Nut (2)			
53H39	Terminal Box Terminal Block Washer (2)			
53H45	Support, for large and medium Melting Pots, Heater and Temperature Regulator, Funditor, Varigear Attachment			
a53H46H**	Relay Box, specify country, frequency and voltage			
53H346H†††	Relay Box (switch "down" for on), specify country, frequency and voltage			
a53H46H‡	Relay Box (switch "Up" for on), specify country, frequency and voltage			
53H47	Relay Box, Instruction Plate, specify country			
53H48	Relay Box, Instruction Plate Rivet (2)			
d53H6	Relay Box, Support Screw, $\frac{3}{8} \times \frac{3}{8}$, to Swing Frame			
53H49	Temperature Regulator, Rototherm			
a53H49	Temperature Regulator, Funditor			
53H50	Temperature Regulator Support Tube			
53H51	Temperature Regulator Support Tube Cable Tie (3)			
53H52	Temperature Regulator Support Tube Elbow			
53H53	Temperature Regulator Support Tube Bush, Male			
53H54	Temperature Regulator Support Tube Screw, lower, $\frac{3}{8} \times \frac{1}{2}$			
53H55	Temperature Regulator Support Tube Screw, upper, $\frac{1}{2} \times \frac{1}{2}$			
53H56	Temperature Regulator Support Tube Screw Packing Washer (6)			
53H57	Element Connecting Box Elbow			
53H58	Element Connecting Box Elbow Nut			
a53H59	Mercury Relay, specify current and voltage			
d53H59H8	Mercury Relay, complete, specify frequency and voltage			
53H60	Switch			
53H61	Temperature Regulator Mercury Switch			
a53H61	Temperature Regulator Micro-switch			
53H62	Thermistor			
53H63	Warning Lamp, specify voltage			
53H64	Cable, Relay Box to Element Connecting Box (2)			
53H65	Cable, earth, Relay Box to Element Connecting Box			
53H66	Relay Box Support Screw Washer			
53H67	Terminal Block, 4 way (2)			
Xaw53H				
Xbw53H				
Xcw53H				
Xdw53H				
Xew53H				
Xfw53H				
Xgw53H				
Xhw53H				
Xiw53H				
Xjw53H				
Xkw53H				
Xlw53H				
Xmw53H				
Xnw53H				
Xow53H				
Xpw53H				
Xqw53H				
Xrw53H				
Xsw53H				
Xtw53H				
Xuw53H				
Xvw53H				
Xww53H				
Xxw53H				
Xyw53H				
Xzw53H				

- †b53H18 assd. consists of b53H9(4), b53H18, 53H22, 23 and 24, 53H25(4), 53H26
- **a53H46H consists of a53H46 (specify frequency and voltage), 53H47 (specify country), 53H48(2)
- ††b53H46H consists of b53H46 (specify frequency and voltage), 53H47 (specify country), 53H48(2)
- ‡‡c53H46H consists of c53H46 (specify frequency and voltage), 53H47 (specify country), 53H48(2)
- §§d53H59H consists of d53H59, 53H62 (1) or (2) depending on relay characteristics, 53H67(2) together with Mounting Plate and necessary wiring

||Composition Casters supplied on and after 25th October 1954 and up to and including number 26925, 28001 to 28032 inclusive and Type and Rule Casters supplied on and after 25th October 1954 and up to and including number 1432 except number 1431 were equipped with this part

††Composition Casters supplied on and after June 1948 and prior to number 29107 and Type and Rule Casters supplied on and after June 1948 and prior to number 1457 were equipped with this part

***Composition Casters supplied on and after November 1962 and prior to number 29107 and Type and Rule Casters supplied on and after November 1962 and prior to number 1457 were equipped with this part

†††Composition Casters supplied on and after number 26926 to 29106 inclusive except 28001 to 28032 inclusive and Type and Rule Casters supplied on and after number 1431 to 1436 inclusive except 1432 were equipped with this part

‡‡‡Composition Casters supplied on and after June 1948 and up to and including number 29306 and Type and Rule Casters supplied on and after June 1948 and up to and including number 1457 were equipped with this part

§§§Composition Casters supplied on and after November 1956 and up to and including number 29306 and Type and Rule Casters supplied on and after November 1956 and up to and including number 1457 were equipped with this part

55H

- b55H1H* Gas Burner, 3 Burner
- 55H2 Air Regulating Sleeve (3)
- a55H3 Air Regulating Sleeve Screw (3), $\frac{1}{8}'' \times \frac{1}{4}''$
- 55H4† Valve, Artificial Gas (3)
- a55H5 Valve Nozzle, Artificial Gas (3)
- b55H5 Valve Nozzle, Natural Gas (3)
- c55H5 Valve Nozzle, Natural Gas, High Pressure (3)
- 55H6 Valve Spring (3)
- 55H7 Valve Nut (3)
- 55H8 Valve Nut Lock Nut (3)
- a55H9H§ Valve Body
- 55H10 Valve Body Bolt, $\frac{1}{2}'' \times \frac{3}{4}''$, hexagon
- 55H11 Valve Body Plug, brass, $\cdot 190'' \times \frac{1}{16}''$, grub (3)
- 55H12 Valve Body Plug, iron, $\frac{1}{2}''$ (3)
- 55H19 Valve Body Pipe Nipple, $\frac{1}{4}''$
- a55H14 Screen (3)
- a55H14 assd. || Screen assembled (3)
- a55H15 Screen Holder (3)
- a55H16 Screen Holder Collar (3)
- a55H33 Screen Disc (3)

- 55H19 (refer after 55H12)
- a55H20 Clamp
- a55H21 Clamp Nut
- a55H31 Clamp Washer
- a55H24 (refer after b55H32)
- a55H27 Shield, on Swing Frame
- a55H28 Shield Pin
- a55H29 (refer after b55H32)
- a55H31 (refer after a55H21)
- b55H32 Support Bolt
- a55H24 Support Bolt Split Pin, $\frac{1}{8}'' \times \frac{1}{16}''$
- a55H29 Support Bolt Nut
- a55H33 (refer after a55H16)
- Xb55H Gas Burner, 3 Burner, group; consists of b55H1H, a55H9H, 55H10, a55H14 assd. (3), a55H20 and 21, a55H24, a55H27, 28 and 29, a55H31, b55H32

*b55H1H consists of b55H1, 55H2(3), a55H3(3)
 †55H4H each consists of 55H4, a55H5
 §a55H9H consists of 55H4H(3), 55H6(3), 55H7(3), 55H8(3), a55H9, 55H11(3), 55H12(3), 55H19
 ||a55H14 assd. each consists of a55H14, 15 and 16, a55H33

70H

GAS MELTING POT

- b70H1H(c)* Temperature Regulator, Centigrade
- b70H1H(f)* Temperature Regulator, Fahrenheit
- b70H1H assd.(c)† Temperature Regulator and Piping, Centigrade, assembled
- b70H1H assd.(f)† Temperature Regulator and Piping, Fahrenheit, assembled
- 70H3† Body Cover
- 70H4† Body Cover Screw (5), $\frac{1}{16}'' \times \frac{1}{4}''$
- 70H29† Body Taper Pin
- 70H5† Valve, lower
- 70H6† Valve Retaining Sleeve
- 70H7† Valve Retaining Sleeve Locating Screw, in Body
- 70H8† Valve, upper
- 70H9† Valve Spring
- 70H10† Valve Stop Pin
- a70H11† Valve Adjusting Spindle, lower
- 70H12† Valve Adjusting Spindle Collar
- 70H13† Valve Adjusting Spindle, middle
- 70H14† Valve Adjusting Spindle Pin, long
- 70H15† Valve Adjusting Spindle Pin, short
- 70H16† Valve Adjusting Spindle, upper
- 70H17† Valve Adjusting Spindle Lock Screw
- 70H18† Valve Adjusting Head
- 70H19† Valve Adjusting Head Pin
- 70H22† Valve Adjusting Head Stop Pin, in Body Cover
- 70H23† Valve Adjusting Head Stop Pin, in Head
- a70H24† Valve Actuating Rod
- a70H25† Valve Actuating Lever
- 70H26† Valve Actuating Lever Fulcrum Pin, in Housing
- 70H27† Valve Actuating Lever Guide Pin
- b70H28† Valve Actuating Lever Housing (refer after 70H4)
- a70H30 Valve Actuating Lever Housing Screw (2), $\frac{1}{2}'' \times \frac{3}{8}''$, to Melting Pot Casing
- 70H31† Valve Actuating Lever Housing Plug, large, $\frac{1}{2}'' \times \frac{1}{4}''$, hexagon
- 70H32† Valve Actuating Lever Housing Plug, small
- 70H33† Valve Actuating Lever Rod
- a70H34† Valve Actuating Lever Rod-End
- 70H35† Expansion Tube
- 70H50† Expansion Tube Lock Ring
- 70H36 Gas Supply Pipe Strainer Union
- 70H36 assd. ‡ Gas Supply Pipe Strainer Union, assembled
- 70H37 Gas Supply Pipe Strainer Union - Gauze (2)
- 70H45 Gas Supply Pipe Strainer Union Gauze Washer

a70H38	Gas Supply Pipe, Inlet (2), $\frac{1}{4}$ " \times 3 $\frac{1}{4}$ "
a70H40	Gas Supply Pipe Elbow, 135°
70H41	Gas Supply Pipe, Outlet, $\frac{1}{4}$ " \times 7 $\frac{1}{2}$ "
70H42H§	Gas Supply Hose, Regulator to Burner
70H43	Gas Supply Hose Clip (2)
70H44	Gas Supply Pipe Nipple, $\frac{1}{4}$ " for Hose
70H45	(refer after 70H37)
70H50	(refer after 70H35)
Xb70H(c)	Temperature Regulator, Centigrade, group; consists of b70H11H assd. (c), 70H42H
Xb70H(f)	Temperature Regulator, Fahrenheit, group; consists of b70H11H assd. (f), 70H42H
	*b70H11H(c) or (f) consists of b70H11, 70H3, 70H4(5), 70H5 to 10 inclusive, a70H11, 70H12 to 19 inclusive, 70H22 and 23, a70H24 and 25, 70H26 and 27, b70H28, 70H29, a70H30(2), 70H31, 32 and 33, a70H34, 70H35, 70H50
	†b70H11H assd. (c) or (f) consists of b70H11H (c) or (f), 70H36 assd., a70H38(2), a70H40, 70H41, 70H44,
	‡70H36 assd. consists of 70H36, 70H37(2), 70H45
	§70H42H consists of 70H42, 70H43(2)
	*†These parts of the Temperature Regulator are not supplied separately. The Regulator should be returned to our Factory for which an exchange Regulator will be supplied

16CU

Melting Pot, Electric Heater and Temperature Regulator Attachment

Object—To use electricity for heating the metal in the Melting Pot

Specify Current, Voltage, Centigrade or Fahrenheit

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

c16CU Melting Pot, medium, Electric Heater and Temperature Regulator, Funditor, Attachment; consists of h12H, a12H25(4), a12H41, 12H50, Xk53H

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

d16CU Melting Pot, medium, Electric Heater and Temperature Regulator, Rotothem, Attachment; consists of h12H, a12H25(4), a12H41, 12H50, Xf53H

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

e16CU Melting Pot, large, with Pump Body Lifting Levers, Electric Heater and Temperature Regulator, Rotothem, Attachment; consists of j12H, k12H2, 12H8, a12H9(2), a12H10(2), a12H11(2), a12H18, a12H19(2), a12H20(2), a12H25(4), b12H41, 12H47, 12H48(3), a12H50, Xd25H, Xb26H, Xe53H

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

f16CU Melting Pot, large, with Pump Body Lifting Levers, Electric Heater and Temperature Regulator, Funditor, Attachment; consists of e16CU, but with Xm53H in place of Xe53H

<i>a70H38</i>	Gas Supply Pipe, Inlet (2), $\frac{1}{2}'' \times 3\frac{1}{2}''$
<i>a70H40</i>	Gas Supply Pipe Elbow, 135°
<i>70H41</i>	Gas Supply Pipe, Outlet, $\frac{1}{2}'' \times 7\frac{1}{2}''$
<i>70H42H§</i>	Gas Supply Hose, Regulator to Burner
<i>70H43</i>	Gas Supply Hose Clip (2)
<i>70H44</i>	Gas Supply Pipe Nipple, $\frac{1}{2}''$ for Hose
<i>70H45</i>	(refer after 70H37)
<i>70H50</i>	(refer after 70H35)
<i>Xb70H(c)</i>	Temperature Regulator, Centigrade, group; consists of b70H1H assd. (c), 70H42H
<i>Xb70H(f)</i>	Temperature Regulator, Fahrenheit, group; consists of b70H1H assd. (f), 70H42H
	*b70H1H(c) or (f) consists of b70H1, 70H3, 70H4(5), 70H5 to 10 inclusive, a70H11, 70H12 to 19 inclusive, 70H22 and 23, a70H24 and 25, 70H26 and 27, b70H28, 70H29, a70H30(2), 70H31, 32 and 33, a70H34, 70H35, 70H50
	†b70H1H assd. (c) or (f) consists of b70H1H (c) or (f), 70H36 assd., a70H38(2), a70H40, 70H41, 70H44,
	‡70H36 assd. consists of 70H36, 70H37(2), 70H45
	§70H42H consists of 70H42, 70H43(2)
	¶These parts of the Temperature Regulator are not supplied separately. The Regulator should be returned to our Factory for which an exchange Regulator will be supplied

16CU

Melting Pot, Electric Heater and Temperature Regulator Attachment

Object—To use electricity for heating the metal in the Melting Pot

Specify Current, Voltage, Centigrade or Fahrenheit

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

c16CU Melting Pot, medium, Electric Heater and Temperature Regulator, Funditor, Attachment; consists of h12H, a12H25(4), a12H41, 12H50, Xk53H

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

d16CU Melting Pot, medium, Electric Heater and Temperature Regulator, Rotothem, Attachment; consists of h12H, a12H25(4), a12H41, 12H50, Xf53H

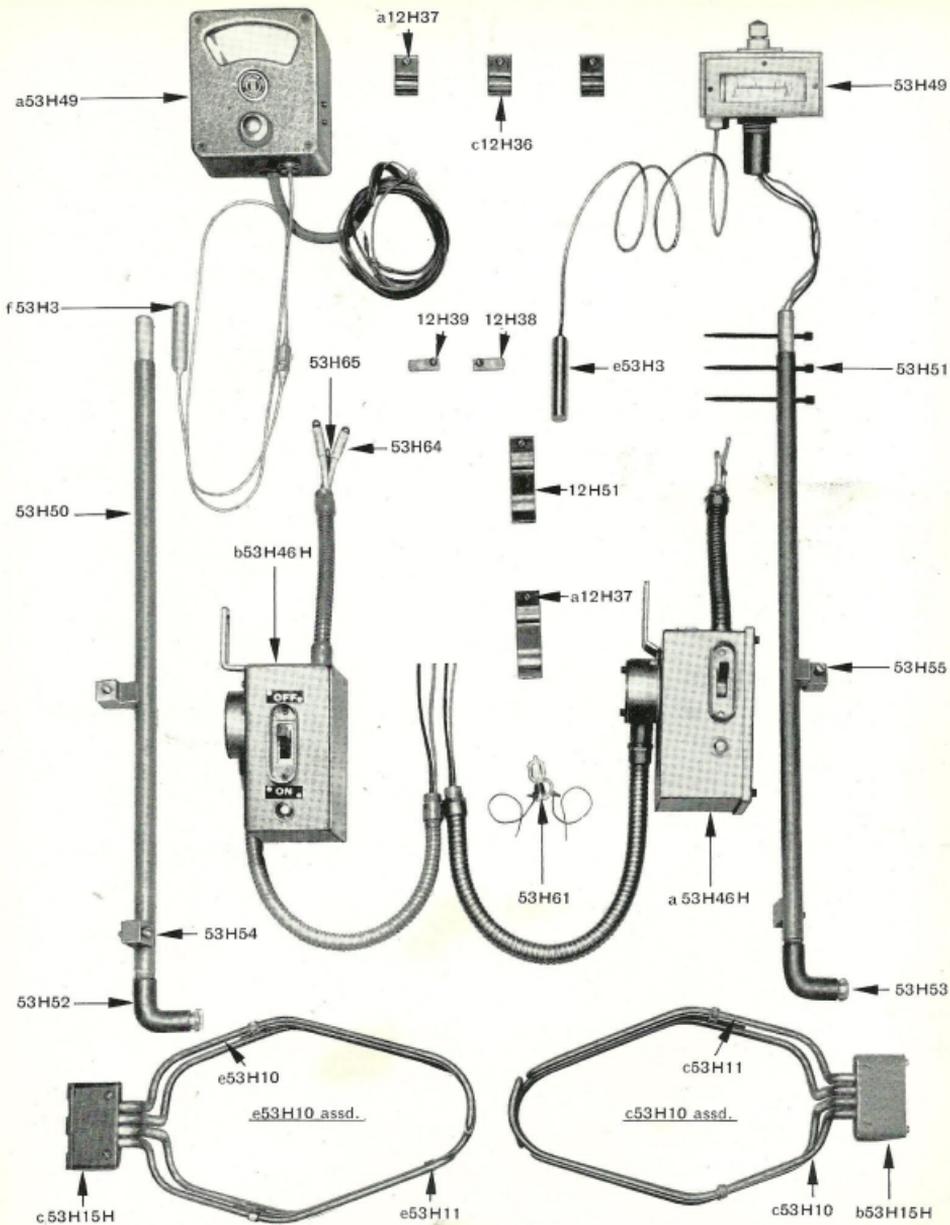
For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

e16CU Melting Pot, large, with Pump Body Lifting Levers, Electric Heater and Temperature Regulator, Rotothem, Attachment; consists of j12H, k12H2, 12H8, a12H9(2), a12H10(2), a12H11(2), a12H18, a12H19(2), a12H20(2), a12H25(4), b12H41, 12H47, 12H48(3), a12H50, Xd25H, Xb26H, Xe53H

For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over

f16CU Melting Pot, large, with Pump Body Lifting Levers, Electric Heater and Temperature Regulator, Funditor, Attachment; consists of e16CU, but with Xm53H in place of Xe53H

12H	Melting Pot, medium and large	b53H15H	Element, Connecting Box, complete, for Melting Pots, large and medium, Rototherm, specify voltage	<i>Xw53H</i>	Electric Heater, for Melting Pot, large, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), e53H10 assd., 53H22, 53H25(4), 53H26, a53H46H, 53H49 and 50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
c12H36	Clip (3), for Element	e53H15H	Element, Connecting Box, complete, for Melting Pot, large, Funditor, specify voltage		
a12H37	Clip, Screw (4), 4" x 1/4", counter-sunk	53H18888	Control Box, with Leads, to mains, Funditor		
12H38	Clip, for Thermostat	b53H18111	Control Box, with Leads, to mains, Rototherm	<i>Xw53H</i>	Electric Heater, for Melting Pot, large, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), e53H10 assd., b53H22, 53H25(4), 53H26, a53H46H, 53H49 and 50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
12H39	Clip, Screw, 3/8" x 3/8"	53H18 assd.†	Control Box, with Leads, and Switch Socket, to mains, Funditor		
12H51	Clip, for Element and Thermal Bulb	b53H18 assd.†††	Control Box, with Leads, and Switch Socket, to mains, Rototherm		
49H	GAS AND GAS-ELECTRIC MELTING POT	53H22	Switch Socket	<i>Xw53H</i>	Electric Heater, for Melting Pot, medium, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), e53H10 assd., 53H22, 53H25(4), 53H26, a53H46H, 53H49 and 50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
a49H	Gas Hose, Armoured 3/8" x 26" (Not supplied separately, order Xa49H)	b53H22	Switch Socket, to mains, Rototherm		
49H1	Clip (2)	53H25	Switch Socket Distance Piece (4)		
Xa49H	Gas Hose, Armoured, 3 Burner Gas Burner, group; consists of a49H, 49H1(2)	b53H29	Switch Socket Distance Piece Screw (4), 3/8" x 3/8", to Swing Frame Post		
53H22†	Ammeter, Funditor	53H26	Switch Socket Fused Plug, 3 amp		
a53H25*	Ammeter, Rototherm	53H34	Terminal Box Cover		
53H31†	Bourdon Tube and Mercury Expansion Element, Funditor	b53H22	Terminal Box		
a53H31††	Bourdon Tube and Mercury Expansion Element, complete with Adapter Plate, Funditor	53H35	Terminal Box Cover Screw (4), 4BA x 3/8"		
d53H31††	Bourdon Tube and Mercury Expansion Elbow, Rototherm	53H36	Terminal Box Terminal Block	<i>Xw53H</i>	Electric Heater, for Melting Pot, medium, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), e53H10 assd., b53H22, 53H25(4), 53H26, a53H46H, 53H49 and 50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
e53H3	Bourdon Tube and Mercury Expansion Element, Rototherm	53H37	Terminal Box Terminal Block Bolt (2), 3/8" x 3/8"		
f53H3	Opening Cylinder and Mercury Expansion Element	53H38	Terminal Box Terminal Block Nut (2)		
53H51††	Mercury Glass Tube Switch, Funditor	53H39	Terminal Box Terminal Block Washer (2)		
a53H5***	Mercury Glass Tube Switch, Rototherm	53H45	Support, for large and medium Melting Pots, Heater and Temperature Regulator, Funditor, Varigear Attachment	<i>Xw53H</i>	Electric Heater, for Melting Pot, large, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), e53H10 assd., 53H22, 53H25(4), 53H26, b53H46H, a53H49, 53H50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
53H36	Support Screw (2), 1/2" x 1/8", to Melting Pot Casing, Varigear Attachment	a53H46H**	Relay Box, specify country, frequency and voltage		
d53H6	(refer after 53H48)	b53H46H††	Relay Box (switch "down" for on), specify country, frequency and voltage		
53H7†††	Rotary Switch, Funditor	e53H46H††	Relay Box (switch "up" for on), specify country, frequency and voltage		
a53H7	Rotary Switch, Rototherm	53H47	Relay Box, Instruction Plate, specify country	<i>Xf53H</i>	Electric Heater, for Melting Pot, large, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), e53H10 assd., b53H22, 53H25(4), 53H26, a53H46H, 53H49, 53H50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
b53H9	Rotary Switch, Rototherm (refer after 53H25)	53H48	Relay Box, Instruction Plate Rivet (2)		
a53H10	Element, Part 1, for Melting Pot, medium, Rototherm, specify voltage	d53H6	Relay Box, Support Screw, 3/8" x 3/8", to Swing Frame		
c53H10	Element, Part 1, for Melting Pot, large, Rototherm, specify voltage	53H49	Temperature Regulator, Rototherm		
d53H10	Element, Part 1, for Melting Pot, medium, Funditor, specify voltage	a53H49	Temperature Regulator, Funditor		
e53H10	Element, Part 1, for Melting Pot, large, Funditor, specify voltage	53H50	Temperature Regulator Support Tube	<i>Xgw53H</i>	Electric Heater, for Melting Pot, medium, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), e53H10 assd., 53H22, 53H25(4), 53H26, a53H46H, a53H49, 53H50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
a53H10 assd.*	Element, complete, for Melting Pot, medium, Rototherm, specify voltage	53H51	Temperature Regulator Support Tube Cable Tie (3)		
c53H10 assd.†	Element, complete, for Melting Pot, large, Rototherm, specify voltage	53H52	Temperature Regulator Support Tube Elbow		
d53H10 assd.‡	Element, complete, for Melting Pot, medium, Funditor, specify voltage	53H53	Temperature Regulator Support Tube Bush, Male		
e53H10 assd.§	Element, complete, for Melting Pot, large, Funditor, specify voltage	53H54	Temperature Regulator Support Tube Screw, lower, 1/2" x 1-1/8"		
a53H11	Element, Part 2, for Melting Pot, medium, Rototherm, specify voltage	53H55	Temperature Regulator Support Tube Screw, upper, 1/2" x 1-1/8"		
e53H11	Element, Part 2, for Melting Pot, large, Rototherm, specify voltage	53H56	Temperature Regulator Support Tube Screw Packing Washer (6)	<i>Xhw53H</i>	Electric Heater, for Melting Pot, medium, specify country, current and voltage, group; consists of a12H37(4), 12H38 and 39, d53H6, b53H9(4), e53H10 assd., b53H22, 53H25(4), 53H26, a53H46H, 53H49, 53H50, 53H51(3), 53H52 to 55 inclusive, 53H56(6), 53H57 and 58, 53H66
d53H11	Element, Part 2, for Melting Pot, medium, Funditor, specify voltage	53H57	Element Connecting Box Elbow		
e53H11	Element, Part 2, for Melting Pot, large, Funditor, specify voltage	53H58	Element Connecting Box Elbow Lock Nut		
53H15H	Element, Connecting Box, complete, for Melting Pot, medium, Funditor, specify voltage	e53H59	Mercury Relay, specify current and voltage		
		d53H59H§§	Mercury Relay, complete, specify frequency and voltage		
		53H60	Switch		
		53H61	Temperature Regulator Mercury Switch		
		a53H61	Temperature Regulator Micro-switch		
		53H62	Thermostat		
		53H63	Warning Lamp, specify voltage		
		53H64	Cable, Relay Box to Element Connecting Box (2)		
		53H65	Cable, earth, Relay Box to Element Connecting Box		
		53H66	Relay Box Support Screw Washer		
		53H67	Terminal Block, 4 way (2)		



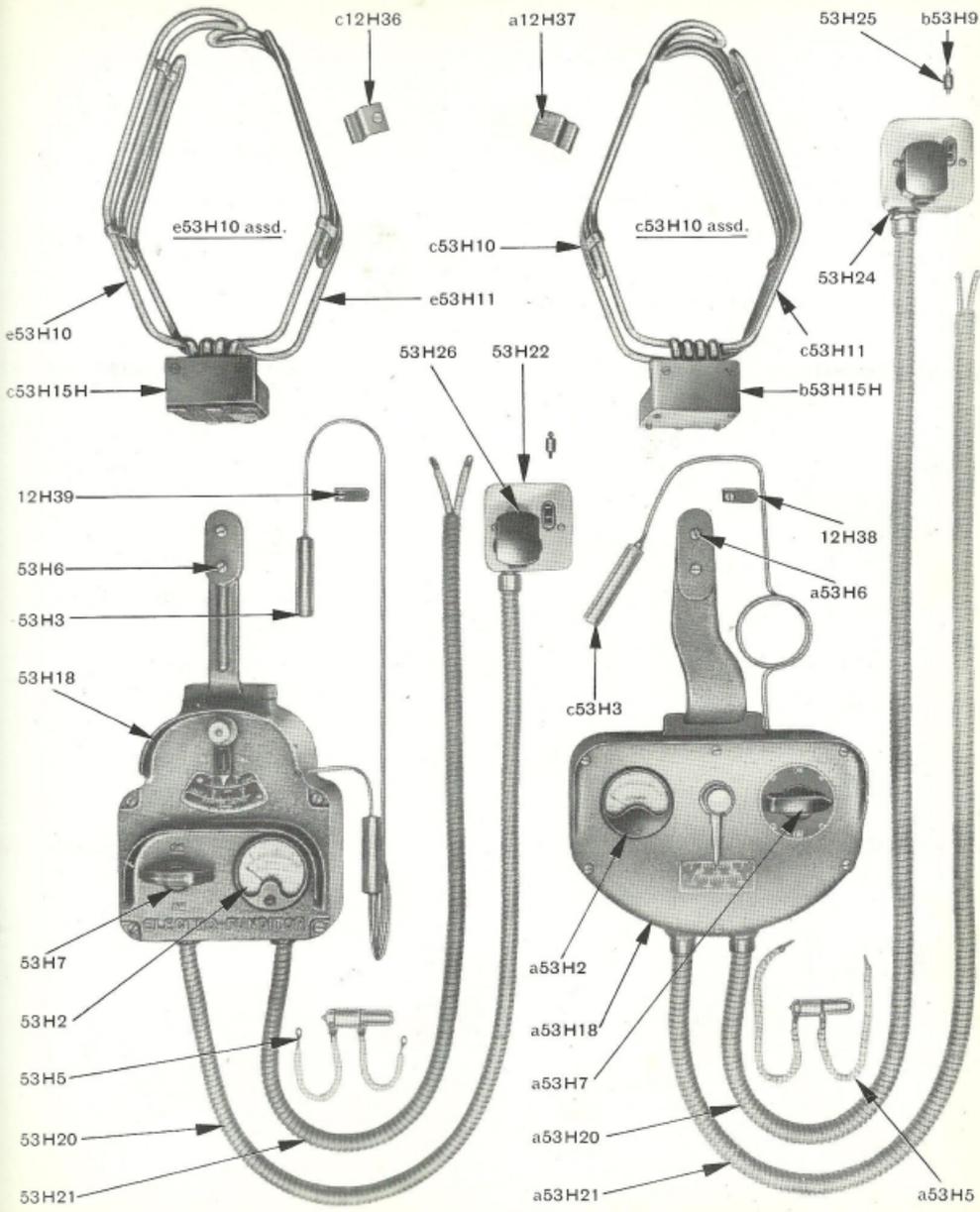


Plate 28

under part

12H

- Melting Pot**
 c12H36 Clip (4), for Element
 a12H37 Clip Screw (4), 1/2" x 1/4", countersunk
 12H38 Clip, for Thermostat
 12H39 Clip Screw, 5/8" x 3/8"

49H**GAS AND GAS-ELECTRIC MELTING POT**

- a49H **Gas Hose, Armoured**, 3/8" x 261" (Not supplied separately, order Xa49H)
 49H1 Clip (2)
 Xa49H **Gas Hose, Armoured**, 3 Burner Gas Burner, group; consists of a49H, 49H1(2)

53H

- e53H1H **Melting Pot, large, Heater and Temperature Regulator, Rototherm**
 f53H1H **Melting Pot, medium, Heater and Temperature Regulator, Rototherm**
 g53H1H(1) **Melting Pot, medium, Heater and Temperature Regulator, Funditor**
 h53H1H **Melting Pot, medium, Heater and Temperature Regulator, Funditor**
 a53H1H(1) **Melting Pot, medium, Heater and Temperature Regulator, Funditor**
 53H2 Ammeter, Funditor
 a53H12 Board Tube and Mercury Expansion Element, Funditor
 e53H13 Board Tube and Mercury Expansion Element, complete with Adaptor Plate, Funditor
 e53H13 Board Tube and Mercury Expansion Element, Rototherm
 53H15 Mercury Glass Tube Switch, Funditor
 a53H15 Mercury Glass Tube Switch, Rototherm
 53H16 Support Screw (2), 1/2" x 1/4", to Melting Pot Casing, Funditor
 a53H16 Support Screw (2), 1/2" x 1/4", to Melting Pot Casing Rototherm
 53H17 Rotary Switch, Funditor
 53H18 Rotary Switch, Rototherm
 53H19H(8) Terminal Box, Rototherm
 53H19H(8) Terminal Box Screw (2), 1/2" x 1/4", countersunk, to Swing Frame Post, Rototherm
 a53H19H(8) refer after 53H25
 53H10(1) Element, Part 1, for Melting Pot, medium, Funditor
 a53H10 Element, Part 1, for Melting Pot, medium, Rototherm
 e53H10 Element, Part 1, for Melting Pot, large, Rototherm
 d53H10 Element, Part 1, for Melting Pot, medium, Funditor
 e53H10 Element, Part 1, for Melting Pot, large, Funditor
 53H10 assd. ** 1 Element, complete, for Melting Pot, medium, Funditor
 53H10 assd. 1 Element, complete, for Melting Pot, medium, Rototherm
 53H10 assd. 1 Element, complete, for Melting Pot, large, Rototherm
 d53H10 assd. 1 Element, complete, for Melting Pot, medium, Funditor
 e53H10 assd. 1 Element, complete, for Melting Pot, large, Funditor
 53H11(1) Element, Part 2, for Melting Pot, medium, Funditor
 a53H11 Element, Part 2, for Melting Pot, medium, Rototherm
 e53H11 Element, Part 2, for Melting Pot, medium, Funditor
 53H11 Element, Part 2, for Melting Pot, large, Funditor
 53H11(2) Element Extractor, Funditor
 53H15H(1) Element Connecting Box, complete, for Melting Pot, medium, Funditor
 b53H15H Element Connecting Box, Rototherm
 53H18 Control Box, with Leads, to Mains, Funditor
 53H18 Control Box, with Leads, to Mains, Rototherm
 53H18 assd. ** Control Box, with Leads and Switch Socket, to Mains, Funditor
 a53H18 assd. ** Control Box, with Leads and Switch Socket, to Mains, Rototherm
 53H19(1) Wrench Box, 1/2 hexagon, for Element Bolt Nut for Melting Pot, medium, Funditor
 53H20 Control Box Leads (1 pair), Funditor
 a53H20 Control Box Leads (1 pair), Rototherm
 53H21 Melting Pot Leads (1 pair), Funditor
 a53H21 Melting Pot Leads (1 pair), Rototherm

- 53H22 Switch Socket
 53H23 Switch Socket Bush, for Flexible Conduit
 53H24 Switch Socket Bush Lock Nut
 53H25 Switch Socket Distance Piece (4)
 b53H19 Switch Socket Distance Piece Screw (4), 5/8" x 3/8", to Swing Frame Post
 53H26 Switch Socket Fused Plug, 2 amp
 Xc53H Melting Pot, large, Heater and Temperature Regulator, Rototherm, group; consists of a12H37(4), 12H39, e53H1H, a53H12(2), b53H19(4), 53H22, 23 and 24, 53H25(4), 53H26
 XJ53H Melting Pot, medium, Heater and Temperature Regulator, Rototherm, group; consists of a12H37(4), 12H39, e53H1H, a53H12(2), b53H19(2), 53H22, 23 and 24, 53H25(4), 53H26
 Xg53H(1) Melting Pot, medium, Heater and Temperature Regulator, Funditor, group; consists of e53H1H, 53H12(2), b53H19(4), 53H22, 23 and 24, 53H25(4), 53H26
 Xk53H Melting Pot, medium, Heater and Temperature Regulator, Funditor, group; consists of a12H37(4), 12H39, e53H1H, 53H12(2), b53H19(4), 53H22, 23 and 24, 53H25(4), 53H26
 Xm53H Melting Pot, large, Heater and Temperature Regulator, Funditor, group; consists of a12H37(4), 12H39, m53H1H, 53H12(2), b53H19(4), 53H22, 23 and 24, 53H25(4), 53H26
 *53H10 assd. consists of 53H10 and 11, 53H15H
 †53H10 assd. consists of 53H10 and 11, b53H15H
 ‡d53H10 assd. consists of 53H10 and 11, d53H10
 §53H10 assd. consists of 53H10 and 11, e53H15H
 **53H18 assd. consists of b53H19(4), 53H18, 53H22, 23 and 24, 53H25(4), 53H26
 ††53H18 assd. consists of b53H19(4), a53H18, 53H22, 23 and 24, 53H25(4), 53H26
 ‡‡Composition Casters numbered 24733 to those supplied prior to February 1957 and Type and Rule Casters numbered 1373 to those supplied prior to February 1957 were equipped with these parts
 §§Composition Casters supplied on and after June 1948 and prior to 24733 and Type and Rule Casters supplied on and after June 1948 and prior to 1373, were equipped with these parts

55H

- b55H1H(1) **Gas Burner, 3 Burner**
 55H12 Air Regulating Sleeve (3)
 a55H13 Air Regulating Sleeve Screw (3), 1/2" x 1/4"
 55H14H(1) Valve, Artificial Gas (3)
 a55H15 Valve, Nozzle, Natural Gas (3)
 b55H15 Valve, Nozzle, Natural Gas (3)
 55H16 Valve Nozzle, Natural Gas, High Pressure (3)
 55H17 Valve Spring (3)
 55H18 Valve Nut Lock Nut (3)
 a55H19H(1) Valve Body Bolt, 1/2" x 1/4", hexagon
 55H19 Valve Body Plug, brass, 1/90" x 5/8", grub (3)
 55H12 Valve Body Plug, iron, 1/4" (3)
 55H19 Valve Body Pipe Nipple, 1/4" (3)
 a55H14 assd. Screen assembled (3)
 55H15 Screen (3)
 a55H16 Screen Holder Cover (3)
 a55H33 Screen Disc (3) (refer after 55H12)
 55H29 Clamp Nut
 a55H21 Clamp Washer (refer after b55H32)
 a55H22 Shield on Swing Frame
 a55H27 Shield Pin
 a55H29 (refer after b55H32)
 a55H30 (refer after a55H16)
 a55H31 (refer after a55H16)
 a55H32 Support Bolt
 a55H34 Support Bolt Split Pin, 1/2" x 1/4"
 a55H35 (refer after a55H16)
 Xb55H Gas Burner, 3 Burner, group; consists of b55H1H, a55H19H, 55H10, a55H14 assd. (3), a55H19 and a55H12, a55H17, 28 and 29, a55H31, a55H32
 *b55H1H consists of b55H1, 55H2(3), 55H3(3)
 †55H1H(1) assd. consists of 55H4, a55H5
 ‡a55H19H consists of 55H4H(3), 55H1(3), 55H1(3), 55H8(3), a55H9, 55H11(3), 55H12(3), 55H13

[a55H14 assd. each consists of a55H14, 15 and 16, a55H33]

70H**GAS MELTING POT**

- b70H1H(c) * **Temperature Regulator, Centigrade**
 b70H1H(d) * **Temperature Regulator, Fahrenheit**
 b70H1H assd. (c) **Temperature Regulator and Piping, Centigrade, assembled**
 b70H1H assd. (f) **Temperature Regulator and Piping, Fahrenheit, assembled**
 70H19 Body Cover
 70H19 Body Cover (5), 1/2" x 1/4"
 70H19 Body Taper Pin
 70H19 Valve, lower
 70H19 Valve Retaining Sleeve
 70H19 Valve Retaining Sleeve Locating Screw, in Body
 70H19 Valve, upper
 70H19 Valve Spring
 70H19 Valve Stop Pin
 a70H15 Valve Adjusting Spindle, lower
 70H12 Valve Adjusting Spindle Collar
 70H12 Valve Adjusting Spindle, middle
 a70H15 Valve Adjusting Spindle, lower
 70H15 Valve Adjusting Spindle Pin, short
 70H16 Valve Adjusting Spindle, upper
 70H17 Valve Adjusting Spindle Lock Screw
 70H18 Valve Adjusting Head
 70H19 Valve Adjusting Head Pin
 70H22 Valve Adjusting Head Stop Pin, in Body Cover
 70H23 Valve Adjusting Head Stop Pin, in Head
 a70H24 Valve Actuating Rod
 a70H25 Valve Actuating Lever
 70H26 Valve Actuating Lever Fulcrum Pin, in Housing
 70H27 Valve Actuating Lever Guide Pin
 b70H28 Valve Actuating Lever Housing
 70H29 Valve Actuating Lever Housing Screw (2), 1/2" x 5/8", to Melting Pot Casing
 70H31 Valve Actuating Lever Housing Plug, large, 1/2" x 1/4"
 70H32 Valve Actuating Lever Housing Plug, small
 70H33 Valve Actuating Lever Rod
 a70H34 Valve Actuating Lever Rod Ball End
 70H35 Expansion Tube
 70H50 Expansion Tube Lock Ring
 70H26 Gas Supply Pipe Strainer Union
 70H36 assd. (f) Gas Supply Pipe Strainer Union, assembled
 70H37 Gas Supply Pipe Strainer Union Gasket
 70H45 Gas Supply Pipe Strainer Union Gasket Washer
 a70H38 Gas Supply Pipe, Inlet (2), 1/2" x 3/4"
 a70H40 Gas Supply Pipe Elbow, 135°
 70H41 Gas Supply Pipe, Outlet, 1/2" x 7/8"
 70H42H Gas Supply Hose, Regulator to Burner
 70H43 Gas Supply Hose Clip (2)
 70H44 Gas Supply Pipe Nipple, 1/4" for Hose (refer after 70H37)
 70H45 (refer after 70H35)
 b70H1(c) **Temperature Regulator, Centigrade, group; consists of b70H1H assd. (c), 70H42H**
 b70H1(d) **Temperature Regulator, Fahrenheit, group; consists of b70H1H assd. (d), 70H42H**
 *b70H1H(c) or (f) consists of b70H1, 70H3, 70H4(3), 70H5 to 10 inclusive, a70H11, 70H12 to 19 inclusive, 70H22 and 23, a70H24 and 25, 70H4 and 27, b70H1, 70H19, a70H30(2), 70H31, 32 and 33, a70H34, 70H35, (c) or (f)
 †b70H1H assd. (c) or (f) consists of b70H1H (c) or (f), b70H38(2), a70H40, 70H41, 70H44
 ‡70H36 assd. consists of 70H36, 70H37(2), 70H45
 §70H42H consists of 70H42, 70H43(2)
 *These parts of the Temperature Regulator are not supplied separately. The Regulator is returned to our Factory for which an exchange Regulator will be supplied

16CU

- Melting Pot, Electric Heater and Temperature Regulator Attachment**
 Object—To use electricity for heating the metal in the Melting Pot
 Specify Current, Voltage, Centigrade or Fahrenheit
 For Composition Casters numbered 20167 and over: Type and Rule Casters numbered 1130 and over
 Melting Pot, medium, Electric Heater and Temperature Regulator, Funditor, Attachment; consists of h12H, a12H25(4), a12H41, 12H50, Xk53H

old version

- For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over
- d16CU* Melting Pot, medium, Electric Heater and Temperature Regulator, Rototherm, Attachment; consists of h12H, a12H25 (4), a12H41, 12H50, Xf53H
- For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over
- e16CU* Melting Pot, large, with Pump Body Lifting Levers, Electric Heater and Temperature Regulator, Rototherm, Attachment; consists of j12H, k12H2, 12H8, a12H9(2), a12H10(2), a12H11(2), a12H18, a12H19 (2), a12H20(2), a12H25(4), b12H41 12H47, 12H48(3), a12H50, Xd25H, Xb26H, Xe53H
- For Composition Casters numbered 20167 and over; Type and Rule Casters numbered 1120 and over
- f16CU* Melting Pot, large, with Pump Body Lifting Levers, Electric Heater and Temperature Regulator, Funditor, Attachment; consists of e16CU, but with Xm53H in place of Xe53H

TYPE AND RULE CASTER

37A

37A1	Matrix Holder, 2" Extended Matrices (Not supplied separately, order X37A)
37A2	Cover Plate
37A3	Cover Plate Screw (6), $\frac{1}{2}$ " x $\frac{1}{4}$ ", counter-sunk
37A4	Matrix Bush
37A5	Matrix Bush Screw, $\frac{1}{4}$ " x $\frac{1}{8}$ ", grub
37A6*	Matrix Holding Slide Pin, centre
37A7	Matrix Holding Slide Pin (2), left and right
37A8	Matrix Holding Slide Pin Connecting Pin
37A9	Matrix Holding Slide Operating Lever
37A10	Matrix Holding Slide Operating Lever Fulcrum
37A11	Matrix Locating Block
37A12	Matrix Locating Block Packing (2×4)
37A13	Matrix Locating Block Packing (2×1)
37A14A†	Operating Lever
37A15	Operating Lever Fulcrum
37A16A†	Operating Lever Link
37A17	Operating Lever Link Pin (2)
37A18	Operating Lever Spring
37A19	Operating Lever Spring Post, in Lever
37A20	Positioning Spring
37A21	Positioning Spring Adjusting Screw Lock
37A22	Positioning Spring Adjusting Screw Lock Screw, $\frac{1}{4}$ " x $\frac{1}{8}$ ", grub
37A23	Positioning Spring Screw (2), $\frac{1}{4}$ " x $\frac{1}{8}$ "
37A24	Spring Post, in Holder
X37A	Matrix Holder, 2" Extended Matrices, group; consists of 37A1 and 2, 37A3(6), 37A4 and 5, 37A6A, 37A7(2), 37A9 to 13 inclusive, 37A14A, 37A15, 37A16A, 37A18, 37A20, 21 and 22, 37A23(2), 37A24

3B

c3BB Air Pin Block, front

9B

b9B Matrix Jaw Shoe Packing Block, left, large

34B

34B1	Matrix-case Positioner
34B2	Locking Pin
34B3	Locking Pin Guide Pin
34B4	Locking Pin Head
34B5	Locking Pin Spring
34B6	Plug
34B7	Fork, assembled
34B7	Fork
34B8	Fork Hinge Bracket
34B9	Fork Hinge Bracket Screw (2), $\frac{1}{4}$ " x $\frac{1}{4}$ "
34B10	Fork Hinge Pin
34B11	Pointer
Xa34B	Matrix-case Positioner group; consists of 34B1 to 6 inclusive, 34B7 ass'd., 34B9(2), 34B11
	†34B7 ass'd. consists of 34B7 and 8, 34B10

35B

b35B1	Matrix-case Positioner Guide Rod (Not supplied separately, order Xb35B)
a35B2	Screw
Xb35B	Matrix-case Positioner Guide Rod group; consists of b35B1, a35B2

36B

a36B1	Pin Jaw Guide Rod Stand, right
a36B4	Screw, $\frac{1}{8}$ " x $\frac{1}{4}$ "

TYPE AND RULE CASTER

3C

d3C Air Pin Block, rear

5C

p5CC Cross Slide
e5C1 Extension
a5C8 Positioner

6C

6CC* Cross Slide Extension Shoe
6C1 Screw (4), $\frac{1}{8}$ " x $\frac{1}{8}$ "
6C2 Spring Post
X6C Cross Slide Extension Shoe, group; consists of 6CC, 6C1(4)
*6CC consists of 6C, 6C2

16C

b16C7 Mould Blade Operating Rod
16C8 Fork Pin Spring Screw (2), to Air Pin Block, rear

24C

24C Wedge Cover

3D

d3D Air Pin Block

8D

b8D Galley Trip Rod
a8D2 Spring
b8D3 Spring Plunger

21D

a21D5 Normal Wedge
Xc21D Handle
Normal Wedge, Point, Display, group; consists of c21D1, a21D5

53D

a53D5 Space Transfer Wedge Operating Rod
b53D6 Spring
Spring Abutment

66D

66D1 Justification Wedge Position Plate, Type and Rule Caster

a66D1 Justification Wedge Position Plate
66D2 Screw (2), $\frac{1}{4}$ " x $\frac{1}{8}$ ", Type and Rule Caster
X66D Justification Wedge Position Plate, Type and Rule Caster, group; consists of 66D1, 66D2(2)

67D

67D1 Normal Wedge Position Plate
67D2 Screw (2), $\frac{1}{4}$ " x $\frac{1}{8}$ "
X67D Normal Wedge Position Plate group; consists of 67D1, 67D2(2)

68D

68D1 Transfer Wedge Operating Rod Guide
68D2 Screw (2), $\frac{1}{4}$ " x $\frac{1}{8}$ "
X68D Transfer Wedge Operating Rod Guide group; consists of 68D1, 68D2(2)

36E

a36EE Main Stand

TYPE AND RULE CASTER

42E

a42E Mould Blade Bell Crank Stud

93E

93E1 Cam Lever Shaft Distance Ring

97E

b97E1 Belt Shifter Operating Bar

109E

b109E1 Interlocking Lever Operating Rod

169E

169E1 Starting Bar (Not supplied separately, order X169E)
169E2 Handle (Not supplied separately, order X169E)
169E3 Handle Rivet (2)
X169E Starting Bar Stud group; consists of 169E1 and 2, 169E3(2)

170E

a170E1 Starting Bar Lock Bracket
170E2 Nut
Xa170E Starting Bar Lock Bracket group; consists of a170E1, 170E2

171E

a171E1 Starting Bar Lock Bracket Stud
171E2 Nut
Xa171E Starting Bar Lock Bracket Stud group; consists of a171E1, 171E2

172E

172E1 Starting Bar Stud
172E2 Nut
X172E Starting Bar Stud group; consists of 172E1 and 2

197E

197E1 Nameplate (Specify country)
a197E1 Nameplate (France or French possessions)
197E2 Screw (4), $\frac{1}{8}$ " x $\frac{1}{8}$ ", for 197E1
a197E2 Screw (2), for a197E1
X197E Nameplate (Specify country) group; consists of 197E1, 197E2(4)

70F

e70F1* Type Channel Block Stand
70F2 Taper Pin
70F3 Plate
70F4 Plate Screw, $\frac{1}{4}$ " x $\frac{1}{8}$ "
70F5 Screw, $\frac{1}{2}$ " x $\frac{1}{4}$ ", to Main Stand
a70F6 Stud, stop for Pump Trip Handle
Xc70F Type Channel Block Stand group; consists of e70F1, 70F2 to 5 inclusive, a70F6
*Can be fitted only at Workshops

112F

112F1 Shear Cam Lever Fulcrum Pin
112F2 Split Pin (2), $\frac{1}{4}$ " x $\frac{1}{8}$ "
X112F Shear Cam Lever Fulcrum Pin group; consists of 112F1, 112F2(2)

13CT

13CT1 Galley Type Guide

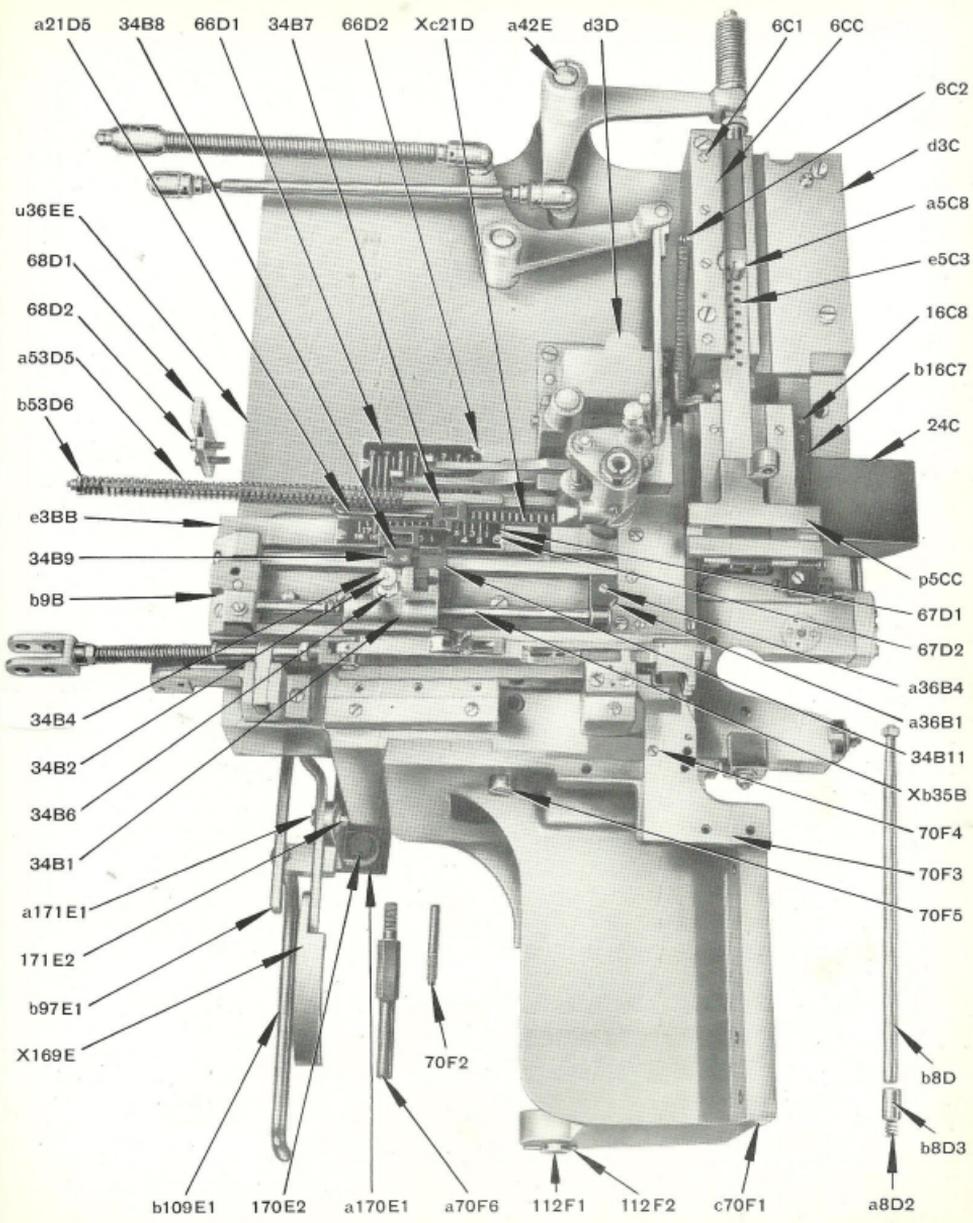


Plate 29

ICK

"MONOTYPE" 5 CU. FT. AIR COMPRESSOR

- ICK108 Air Flange, delivery, screwed for pipe
- ICK109 Air Flange, delivery, blank
- ICK110 Joint (2)
- ICK111 Stud (4), in Cylinder Head
- ICK112 Stud Nut (4)
- bICK113 (refer under aICK151C)
- aICK139* Cylinder Block
- ICK140 Airway Plug (2)
- ICK141 Airway Plug Washer (2)
- ICK142 Oilway Screw (2)
- ICK143 Oilway Screw Washer (2)

*Can be fitted only at Workshops

- aICK144* Cylinder Head (2)
- ICK199 Joint (2)
- ICK145 Stud (12), in Cylinder Block
- ICK146 Stud Nut (12)

*Can be fitted only at Workshops

ICK149 Nameplate (Specify country)

ICK150 Screw (4), $\frac{1}{2} \times \frac{1}{8}$ *

bICK151C* Oil Chamber and Air Filter Case

- bICK152 (refer after ICK157)
- ICK153 Plug (3), for Oil Holes
- ICK212 Stud, long (2), in Cylinder Block
- ICK154 Stud, short (2), in Cylinder Block
- ICK155 Stud Nut (4)
- ICK156† Window

ICK157† Window Washer (2)

bICK152 Cover, Oil Feed

ICK207† Cover Window Frame

aICK201 Cover Window Frame

ICK202 Cover Window Frame Screw (2), $\frac{1}{2} \times \frac{1}{4}$, to cover

bICK113 Cover, Air Inlet

ICK203† Cover Hinge Pin

aICK203 Cover Hinge Pin

ICK204 Cover Screw

ICK205 Cover Screw Knob

ICK206 Cover Screw Knob Taper Pin

ICK211 Pipe, Oil Feed

*aICK151C consists of aICK151, ICK153

(3), ICK211

†"Monotype" 5 cu. ft. Air Compressors

numbered 20212 to 20683 were equipped

with these parts

ICK162 Oil Filter

ICK163 Cap

ICK164 Drain Plug

ICK165 Drain Plug Washer

ICK166 Screw, $\frac{5}{8} \times \frac{3}{16}$ *

ICK167 Screw (5), $\frac{1}{4} \times \frac{1}{2}$ *

bICK170 Oil Pump Housing

ICK200 Joint

ICK173 Stud (2), long, in Cylinder Block

ICK174 Stud (2), short, in Cylinder Block

ICK175 Stud Nut (4)

aICK176 (refer after ICK169, Plate 32)

aICK177 Plug, left (see Plate 32)

ICK178 Plug Washer (see Plate 32)

aICK179 Plug, right (see Plate 32)

ICK180 Plug Washer (see Plate 32)

ICK190† Oiling Instruction Plate, (specify country)

ICK191 Screw (4), $\frac{1}{2} \times \frac{1}{8}$ *

*"Monotype" 5 cu. ft. Compressors numbered 20212 to 20293 were equipped with this part

6CK

CONDENSING TANKS

b6CK1 assd. Condensing Tank, $\frac{1}{2}$ " assembled

6CK9 Pressure Gauge

b6CK10 etc. (refer after 6CK12)

6CK29 Blow-off Drain Pipe, long

6CK11 Blow-off Drain Pipe, short

6CK12 Blow-off Drain Pipe Cock (2)

b6CK10† Safety Valve Body

b6CK10 assd.† Safety Valve, $\frac{1}{2}$ " assembled

a6CK30† Safety Valve, $\frac{1}{2}$ "

b6CK30 Safety Valve, $\frac{1}{2}$ "

6CK31† Spring

a6CK31 Spring

6CK32† Spring Adjusting Screw

a6CK32 Spring Adjusting Screw

6CK33† Spring Adjusting Screw Lock Nut

a6CK33 Spring Adjusting Screw Lock Nut

b6CK34 Spring Thrust Pin

6CK35 Spring Thrust Pin Knob

a6CK36C† Cover

6CK37† Packing

a6CK37 Packing

6CK38† Stop Pin, in Cover

a6CK38 Stop Pin, in Cover

6CK39 (refer before 6CK11)

b6CK10 Condensing Tank, $\frac{1}{2}$ " complete; consists of

b6CK1 assd., 6CK9, c6CK10 assd.

*b6CK10 assd. consists of b6CK10, a6CK30,

6CK31, 32 and 33, a6CK34, 6CK35,

6CK36C, 6CK37

†c6CK10 assd. consists of c6CK10, b6CK30,

a6CK31, 32 and 33, b6CK34, 6CK35,

a6CK36C, a6CK37

†6CK36C consists of 6CK36, 6CK38

and 6CK36C consists of a6CK36, a6CK38

‡Condensing Tanks, $\frac{1}{2}$ " supplied on and

after June 1945 and prior to May 1949

were equipped with these parts

7CK

b7CK† assd. Condensing Tank, $\frac{1}{2}$ " assembled

7CK9 Pressure Gauge

a7CK10 etc. (refer after 7CK12)

7CK39 Blow-off Drain Pipe, long

7CK11 Blow-off Drain Pipe, short

7CK12 Blow-off Drain Pipe Cock (2)

a7CK10 Safety Valve Body

a7CK10 assd.* Safety Valve, $\frac{1}{2}$ " assembled

7CK30 Safety Valve, $\frac{1}{2}$ "

7CK31 Spring

7CK32 Spring Adjusting Screw

7CK33 Spring Adjusting Screw Lock Nut

7CK34 Spring Thrust Pin

7CK35 Spring Thrust Pin Knob

7CK36C† Cover

7CK37 Packing

7CK39 Stop Pin, in Cover

(refer before 7CK11)

b7CK Condensing Tank, $\frac{1}{2}$ " complete; consists of

b7CK1 assd., 7CK9, a7CK10 assd.

*a7CK10 assd. consists of a7CK10, 7CK30

to 35 inclusive, 7CK36C, 7CK37

†7CK36C consists of 7CK36, 7CK38

8CK

Condensing Tank, $\frac{1}{2}$ "

8CK9† Pressure Gauge

a8CK10 etc. (refer after 8CK12)

8CK39 Blow-off Drain Pipe, long

8CK11 Blow-off Drain Pipe, short

8CK12 Blow-off Drain Pipe Cock (2)

a8CK10† Safety Valve Body

a8CK10 assd.*† Safety Valve, $\frac{1}{2}$ " assembled

8CK30† Safety Valve

8CK31† Spring

8CK32† Spring Adjusting Screw

8CK33† Spring Adjusting Screw Lock Nut

8CK34† Spring Thrust Pin

8CK35† Spring Thrust Pin Knob

8CK36C† Cover

8CK37† Packing

8CK39 Stop Pin, in Cover

(refer before 8CK11)

*a8CK10 assd. consists of a8CK10, 8CK30

to 35 inclusive, 8CK36C, 8CK37

†8CK36C consists of 8CK36, 8CK38

‡Condensing Tanks $\frac{1}{2}$ " supplied prior to

June 1949 were equipped with these parts

ICK**'MONOTYPE' 5 CU. FT. AIR
COMPRESSOR**

ICK119 Ball Bearing, for Crankshaft
ICK120 Cover
ICK121 Cover Stud (4), in Cylinder Block
ICK122 Cover Stud Nut (4)
ICK123 Cover Oil Retaining Ring
ICK124 Housing

ICK125C* Connecting Rod
ICK126† Bush
ICK127† Roller (16)
ICK128† Roller Cage
ICK129† Roller Cage Cover
ICK130† Roller Cage Cover Rivet (8)

*ICK125C consists of ICK125 and 126,
ICK127(16), ICK128 and 129, ICK130(8)
†Can be fitted only at Workshops

ICK131 Crankshaft
ICK132 Key, for Flywheel
ICK133 Lock Nut, for Ball Bearing
ICK134 Lock Nut Screw, $\frac{1}{4}'' \times \frac{11}{16}''$
ICK135 Lock Nut, for Roller Bearing
ICK136 Lock Nut Screw, $\frac{1}{4}'' \times \frac{11}{16}''$
ICK137 Nut
ICK138 Washer

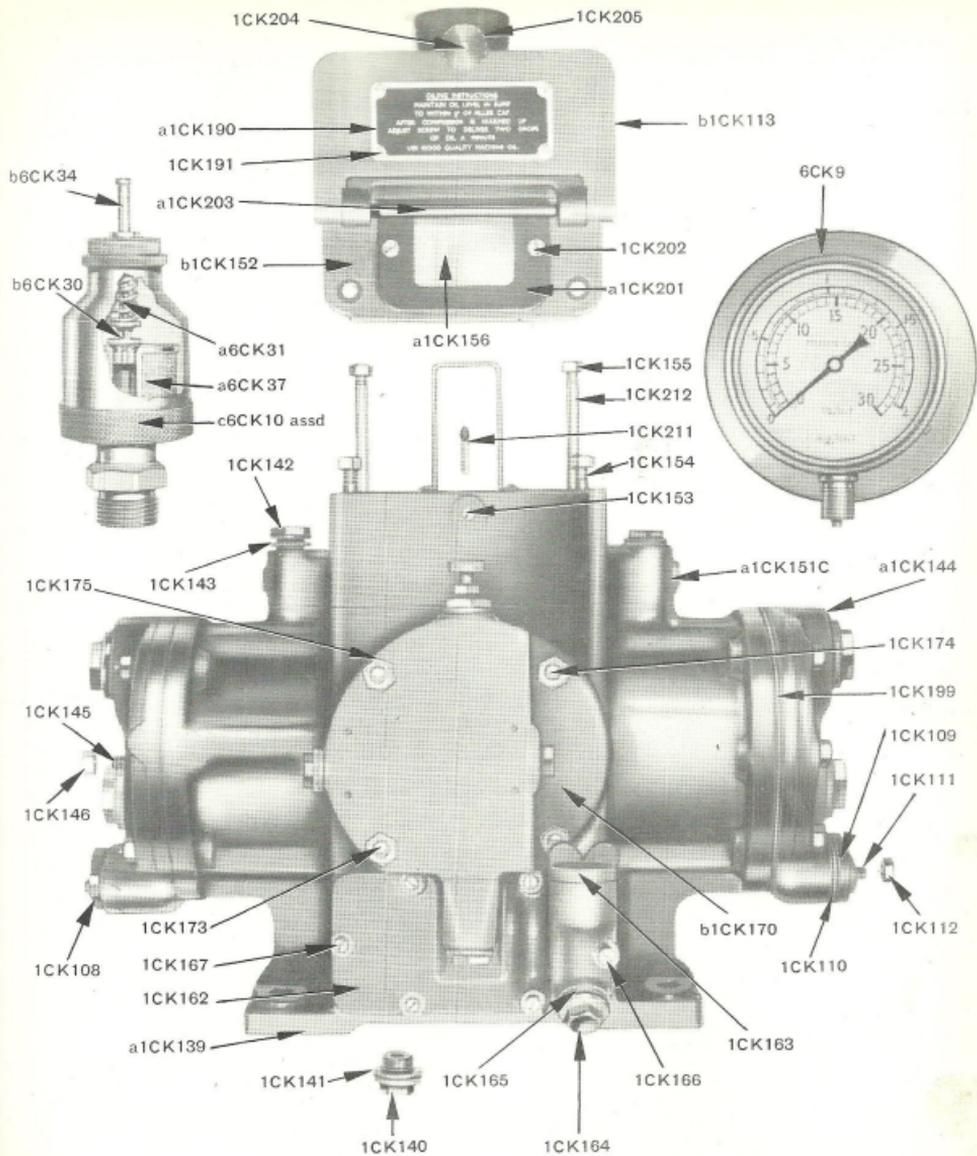
ICK148 Flywheel, Flat Belt
aICK148 Flywheel, Vee Belt

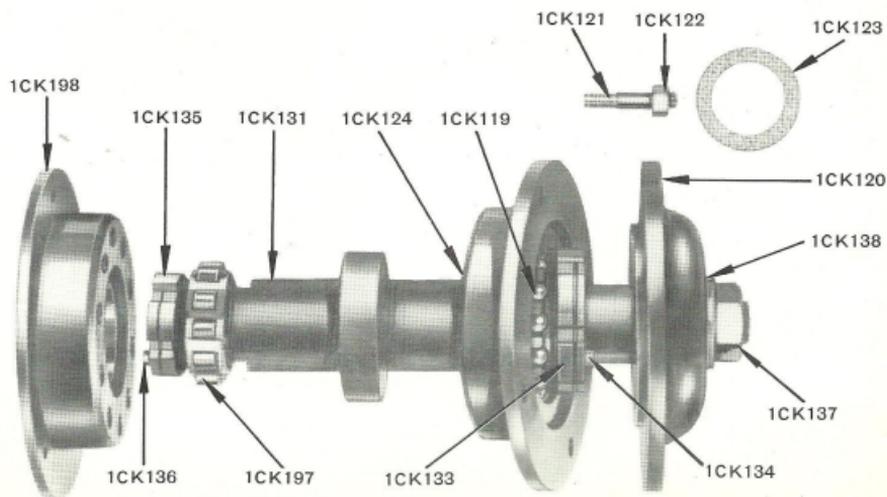
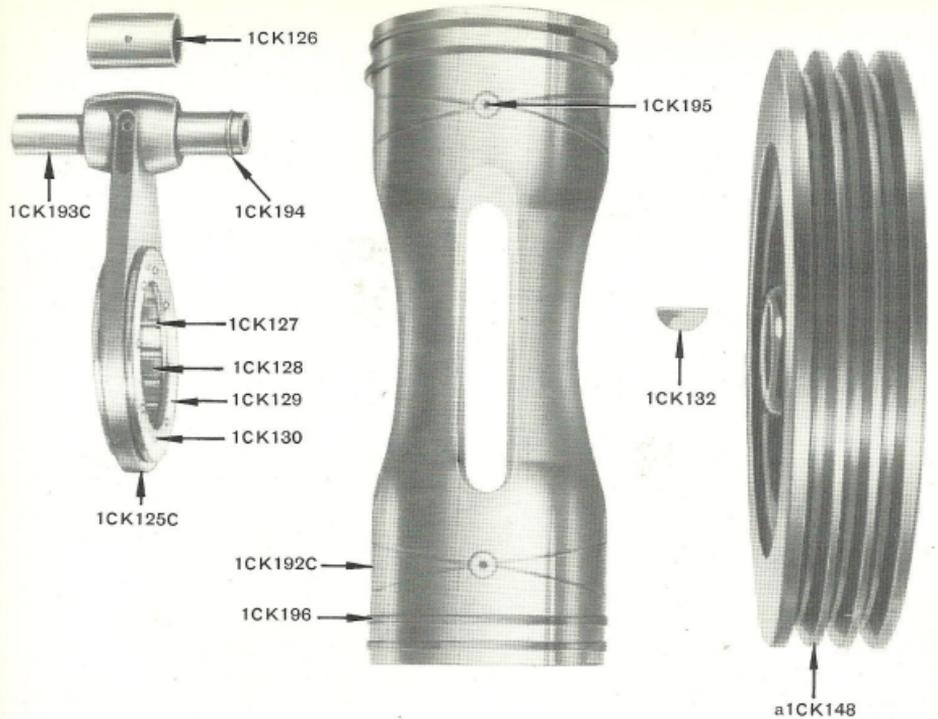
ICK192C* Piston
ICK193† Gudgeon Pin

ICK194 Gudgeon Pin Spring
ICK195 Gudgeon Pin Lubricating Pipe
ICK196 Ring (4)

*ICK192C consists of ICK192, ICK193
†ICK193C consists of ICK193, ICK194

ICK197 Roller Bearing, for Crankshaft
ICK198 Housing
ICK199 (refer after aICK144, Plate 30)
ICK200 (refer after bICK170, Plate 30)
ICK201 (refer under aICK151C, Plate 30)
aICK201 (refer under aICK151C, Plate 30)
ICK202 (refer under aICK151C, Plate 30)
ICK203 (refer under aICK151C, Plate 30)
aICK203 (refer under aICK151C, Plate 30)
ICK204 (refer under aICK151C, Plate 30)
ICK205 (refer under aICK151C, Plate 30)
ICK206 (refer under aICK151C, Plate 30)





ICK**'MONOTYPE' 5 CU. FT. AIR COMPRESSOR**

ICK101 Air Filter, felt

*a*ICK101 assd.* † Air Filter, felt, assembled*a*ICK101 assd.† Air Filter, felt, assembled

ICK102 Bush (2)

ICK102† Handle

*a*ICK103 HandleICK104 Handle Screw (2), $\frac{5}{8}$ " × 1"

ICK105 Handle Screw Nut (2)

ICK106 Handle Screw Washer (2)

ICK107 Plate (2)

*ICK101 assd. consists of ICK101,

ICK102(2), ICK103, ICK104(2),

ICK105(2), ICK106(2), ICK107(2)

†*a*ICK101 assd. consists of ICK101,ICK102(2), *a*ICK103, ICK104(2),

ICK105(2), ICK106(2), ICK107(2)

‡'Monotype' 5 cu. ft. Air Compressors supplied on and after June 1945 and prior to number 20684 were equipped with these parts

*a*ICK115 Air Valve, Inlet and Delivery (4)*a*ICK116 Cap (4)

ICK117 Cap Washer (4)

*a*ICK118 Spring (4)

ICK158 Oil Feed Adjusting Valve

ICK159 Lock Nut

ICK160 Seating

ICK161 Seating Washer

ICK168* Oil Filter

ICK169 Frame

*ICK168C consists of ICK168 and 169

*a*ICK176 Oil Pump Piston

ICK210 Spring

Oil Pump Housing*a*ICK177 Plug, left

ICK178 Plug Washer

*a*ICK179 Plug, right

ICK180 Plug Washer

ICK181 Oil Pump Valve, Suction, Delivery and Relief (3)

ICK182 Seating, for Suction Valve

ICK183 Seating Washer

ICK184 Spring, for Delivery Valve

ICK185 Seating, for Relief Valve

ICK186 Seating Cap

ICK187 Spring, for Relief Valve

ICK188 Oil Tray, in Cylinder Block

ICK189 Screw (2), $\frac{3}{16}$ " × $\frac{1}{2}$ "

ICK207 Oil Pump Eccentric

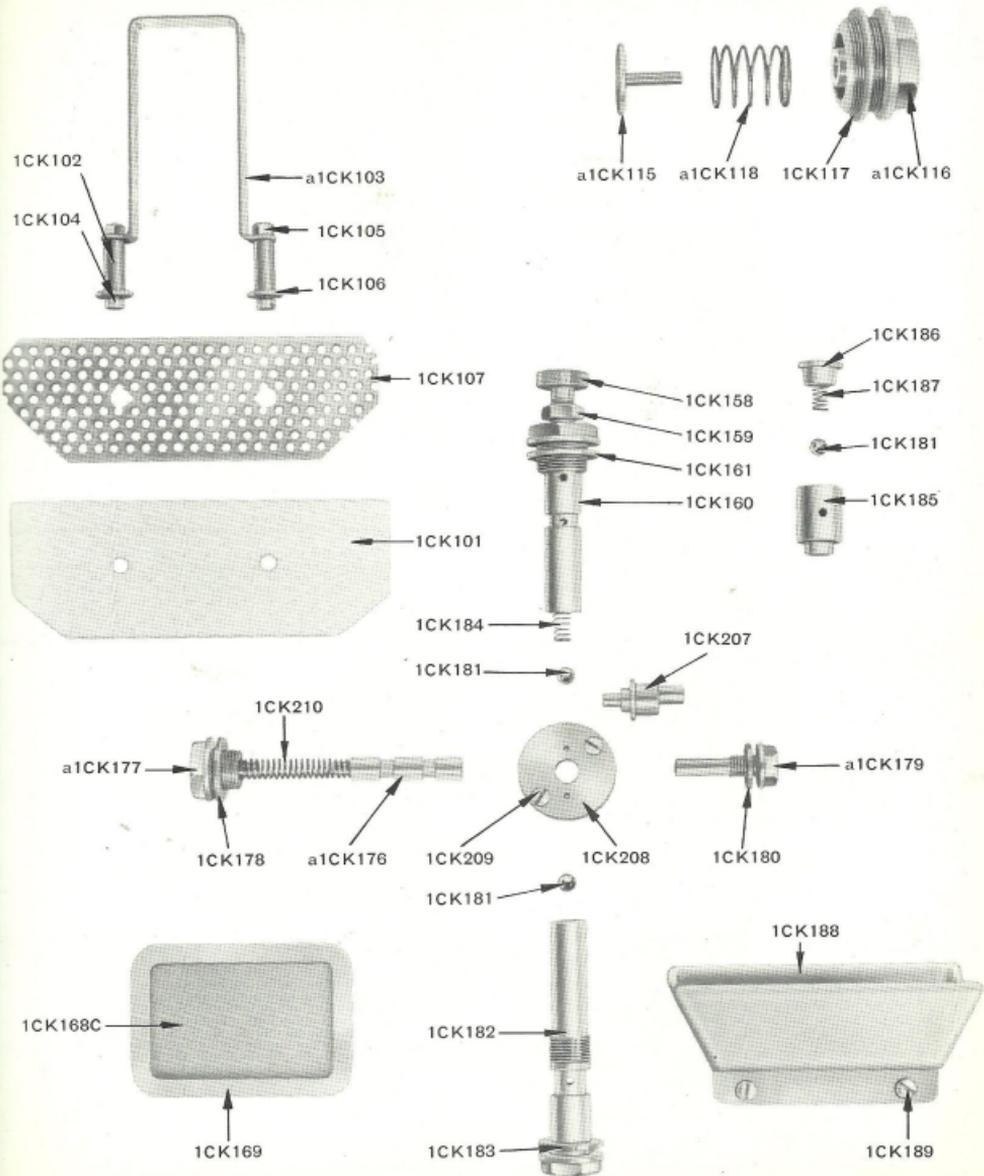
ICK208 Cover

ICK209 Cover Screw (2), $\frac{3}{8}$ " × 1"ICK210 (refer after *a*ICK176)ICK211 (refer under *a*ICK131C, Plate 30)ICK212 (refer under *a*ICK131C, Plate 30)*X*ICK Air Compressor, Flat Belt Drive, 5 cu. ft.

complete

*Xg*ICK Air Compressor, Vee Belt Drive, 5 cu. ft.

complete



- 1CT**
 1CT1 Galley, 4 $\frac{1}{2}$ "
 1CT2 Galley, 5"
 1CT3 Galley, 5 $\frac{1}{2}$ "
 1CT4 Galley, 6 $\frac{1}{2}$ "
 1CT5 Galley, 7 $\frac{1}{2}$ "
 1CT6 Galley, 8"
 1CT7 Galley, 8", Type and Rule Caster
 1CT8 Galley, 9 $\frac{1}{2}$ "
 1CT9 Galley, 11"

- 2CT**
 2CT1 Ingot Mould
 2CT2 Ingot Mould, Ingot Feeder Attachment

- 3CT**
 3CT1 Iron Ladle
 3CT2 Skimming Spoon

- 4CT**
 4CT1 Well Arm Drill
 4CT2 Nozzle Drill, large, $\frac{1}{2}$ " diameter
 4CT3 Nozzle Drill, small, $\frac{1}{4}$ " diameter
 4CT6 Nozzle Drill, for Nozzle No. 9, .029" diameter

- 4CT4 Cleaning Tool, Pump Body Bearing (Nozzle End)
 4CT7 Cleaning Tool, Pump Body (Nozzle End)
 4CT5 Nozzle Tap, $\frac{1}{2}$ " \times 13 threads
 4CT6 (refer after 4CT5)
 4CT7 (refer after 4CT4)

5CT

Screwdrivers

- 5CT1 $\frac{3}{8}$ " \times .063" \times 10"
 5CT2 $\frac{3}{8}$ " \times .051" \times 10"
 5CT3 $\frac{1}{2}$ " \times .032" \times 8"
 5CT5 $\frac{1}{2}$ " \times .025" \times 7"
 5CT6 $\frac{3}{4}$ " \times .051" \times 3"
 5CT7 $\frac{3}{4}$ " \times .040" \times 3"
 5CT8 $\frac{3}{4}$ " \times .032" \times 3"
 (refer also 2CT6, etc.)

6CT

- 6CT1 Wrench, single, 1 $\frac{1}{8}$ " (2)
 6CT2 Wrench, double, $\frac{1}{8}$ " and $\frac{3}{16}$ "
 6CT3 Wrench, double, $\frac{1}{8}$ " and $\frac{1}{4}$ "
 6CT4 Wrench, double, $\frac{1}{8}$ " and $\frac{1}{2}$ " (2)
 6CT5 Wrench, double, $\frac{1}{8}$ " and $\frac{3}{8}$ "
 6CT6 Wrench, double, $\frac{1}{8}$ " and $\frac{1}{2}$ " (2)
 6CT7 Wrench, single, $\frac{1}{4}$ " for Nozzle

- 6CT9 Wrench, double, $\frac{3}{16}$ " square, $\frac{1}{2}$ " hexagon
 6CT10 Pin Wrench, .187" diameter, 1 $\frac{1}{2}$ " round
 6CT11 Pin Wrench, .125" diameter, 1 $\frac{1}{2}$ " round
 6CT12 Pin Wrench, .125" diameter, 1" round
 6CT13 Pin Wrench, .125" diameter, $\frac{1}{2}$ " round
 6CT14 Pin Wrench, .093" diameter (2)
 a6CT16 Wrench, box, $\frac{7}{16}$ " square, for Mould Screws

- 6CT18 Wrench, single, $\frac{1}{2}$ " for Rock Lever Lifting Rod Spring Abutment Nut a25D75 and Lock Nut 25D115, Unit Adding Attachment (see Plate 43)

- 6CT19 Wrench, single, 1 $\frac{1}{8}$ " Matrix Jaw Tongs Stud (front) Nut, lower, 29E1

- 6CT20 Wrench, single, $\frac{1}{4}$ " square, for Bridge Screws

- a6CT21* Pin Wrench, for releasing Matrix Jaw Latch

- 6CT22 Pin

- 6CT23 Pin Lock Screw, $\frac{1}{8}$ " \times $\frac{1}{16}$ " grub

- 6CT24 Wrench, Allen, $\frac{1}{8}$ " hexagon, for Air Pin

*a6CT21 consists of a6CT21, 6CT22 and 23

7CT

- 7CT1 Dowel Punch, long
 7CT2 Dowel Punch, short

8CT

- 8CT1 Micrometer, 0" to 1"
 a8CT1 Micrometer, 1" to 2"
 a8CT2 Type Alignment Gauge, up to and including 36 point and didot
 8CT3 Nozzle Gauge
 8CT4 Centring Pin Gauge
 8CT6 Nozzle Squaring Post
 8CT7 Point Measure Gauges (complete set on board), Pica measure (166" basis)
 a8CT7 Point Measure Gauges (complete set on board), Pica measure (-166" basis)
 m8CT7 Point Measure Gauges (complete set on board), Cicero measure (-176" basis)
 c8CT7 Point Measure Gauges (complete set on board), Fourrier measure (-1653" basis)

9CT

- 9CT1 Eye Glass

10CT

- a10CT1 Tweezers

11CT

- b11CT1 Mould Oiler, Composition and Quad Moulds (Not supplied separately, order Xb11CT)
 11CT9 Cover
 Xb11CT Mould Oiler, Composition and Quad Moulds, group; consists of b11CT1, 11CT9
 11CT3 Mould Oiler, Lead and Rule Mould Series 90000
 11CT2 Bracket
 11CT3 Reservoir, for "Diakon" Lubricator
 11CT8 Filter, Felt

12CT

- d12CT1 Thermometer, Centigrade and Fahrenheit (for use without Sheath a12CT5)
 e12CT1* Thermometer, Centigrade and Fahrenheit Support
 b12CT3 Support Lock Nut
 a12CT4 Sheath (for use with thermometer e12CT1)
 Xg12CT Thermometer, Centigrade and Fahrenheit, group; consists of d12CT1, b12CT3, a12CT4
 Xh12CT Thermometer, Centigrade and Fahrenheit, group; consists of e12CT1, b12CT3, a12CT4, a12CT5
 *This Thermometer can be continually immersed in the melting pot and is protected from attack by type metal by Sheath a12CT5

14CT

- a14CT1 Oil Can (2)
 14CT2 Clip, for machines equipped with Ingot Feeder Attachment

15CT

- 15CT1 Type Tray Holder
 15CT2 Type Tray Box
 15CT3 Orderly Box

21CT

- b21CT1* Cleaning Tool, 3/4" Pump Body Bush, lower Shank
 a21CT2* Head
 a21CT3 Handle
 Xb21CT Cleaning Tool, 3/4" Pump Body Bush, lower, group; consists of b21CT1, a21CT2 and 3
 *Can be fitted only at Workshops

27CT

- Serendrivers, for Moulds
 27CT6 1/8" x .051" x 3"
 27CT7 3/8" x .051" x 3"
 27CT8 3/8" x .040" x 3"
 27CT9 3/8" x .040" x 3"
 27CT10 3/8" x .032" x 3"
 27CT11 3/8" x .030" x 3"
 27CT12 3/8" x .025" x 3"

29CT

- Cleaning Tool, 3/4" Pump Piston Washer
 Seating
 a29CT1* Shank
 a29CT2* Handle
 29CT3
 Xa29CT1 Cleaning Tool, 3/4" Pump Piston Washer
 Seating group; consists of a29CT1 and 2, 29CT3
 *Can be fitted only at Workshops

31CT

- Pump Piston Extractor
 31CT1 Lever
 31CT2 Lever Fulcrum Bracket
 31CT3 Lever Fulcrum Pin
 31CT4 Lever Fulcrum Pin Screw, 3/8" x 1/2", grub
 X31CT1 Pump Piston Extractor group; consists of 31CT1 to 4 inclusive

32CT

- Crossblock Oiler, Composition Moulds, Series prior to 20000 (Solid Nick), 20000 and 20000
 32CT11* Body
 32CT2 Body Latch
 32CT3 Body Latch Bracket
 32CT3 ass'd Body Latch Bracket, assembled
 32CT4 Body Latch Bracket Screw, 1/4" x 1/4", to Main Stand
 32CT5 Body Latch Pin
 32CT6† Cup
 32CT7 Cup Stem
 32CT8 Cup Stem Plug
 32CT9 Cup Wire
 32CT10 Body Plug, large, 3/8" x .135" x 5, grub
 32CT11 Body Plug, small (3), 3/8" x 3/8", grub
 32CT12 Body Plunger
 32CT13 Body Plunger Spring
 32CT14 Body Plunger Spring Abutment
 32CT15 Body Pivot
 a32CT15 Body Pivot, also anchor for Spring (Type and High Spaces), Type and Rule Caster and Space Casting Attachment (for Composition Caster (see Plate 44))
 32CT16 Body Pivot Nut
 32CT17 Support
 a32CT17 Support, Raised Galley Attachment (see Plate 51)
 32CT18 Support Screw (2), 3/8" x 1/2", grub
 32CT19 Pad, front
 32CT20 Pad, rear
 32CT21 Pad Holder, front
 32CT24 Pad Holder, rear
 32CT22 Pad Holder Screw (2), 3/8" x 1/4", to Body
 32CT23 Pad Holder Screw Washer (2)
 32CT24 (refer after 32CT21)

- X32CT Crossblock Oiler, Composition Moulds, Series prior to 20000 (Solid Nick), 20000 and 20000, group; consists of 32CT11, 32CT3 ass'd, 32CT4, 32CT6†, 32CT11 to 17 inclusive, 32CT18(2), 32CT19, 20 and 21 32CT22(2), 32CT23(2), 32CT24
 Xa32CT Crossblock Oiler, Composition Moulds, Series prior to 2000 (Solid Nick), 20000 and 20000, Type and Rule Caster, group; consists of X32CT1, but with a32CT15 in place of 32CT15
 *32CT11 consists of 32CT1, 32CT10, 32CT11(3)
 †32CT3 ass'd, consists of 32CT2 and 3, 32CT6† consists of 32CT6 to 9 inclusive

33CT

- 33CT11* Base Pad, Shock Absorber (4)
 a33CT1 Base Pad, Cork (Not supplied separately, order Xa33CT1)
 33CT2 Container (4) (Not supplied separately, order 33CT11)
 a33CT2 Rim (Not supplied separately, order Xa33CT1)
 X33CT Base Pad, Shock Absorber, group; consists of 33CT11(4)
 Xa33CT Base Pad, Cork, group; consists of a33CT1 and 2
 *33CT11 each consists of 33CT1 and 2

34CT

- Driving Pulley Extractor
 34CT1 Body
 34CT2 Bolt
 34CT3 Bolt Stop Pin (2)
 34CT4 Bolt Washer (2)
 34CT5 Screw
 X34CT Driving Pulley Extractor group; consists of 34CT1 and 2, 34CT3(2), 34CT4(2), 34CT5

35CT

- Precision Tools
 Box
 Precision Tools group; consists of 8CT1, a8CT2, 8CT4, 9CT1, a10CT1, 35CT1
 Xa35CT

36CT

- Type Alignment Slip Gauge (specify Type Line), 9500 and onwards
 36CT2 Board with Hooks

42CT

- 42CT1 Grease Gun, for Jaw Tongs Spring Box, double

44CT

- a44CT1 Mould Oiler, Large Composition, Display, Duplex and Short Lead and Rule Moulds (Not supplied separately, order Xa44CT1)
 44CT2 Cover
 Xa44CT Mould Oiler, Large Composition, Display, Duplex and Short Lead and Rule Moulds, group; consists of a44CT1, 44CT2

45CT

- 45CT1 Base Tray

46CT

- 46CT1 Dust Cover, for machine

47CT

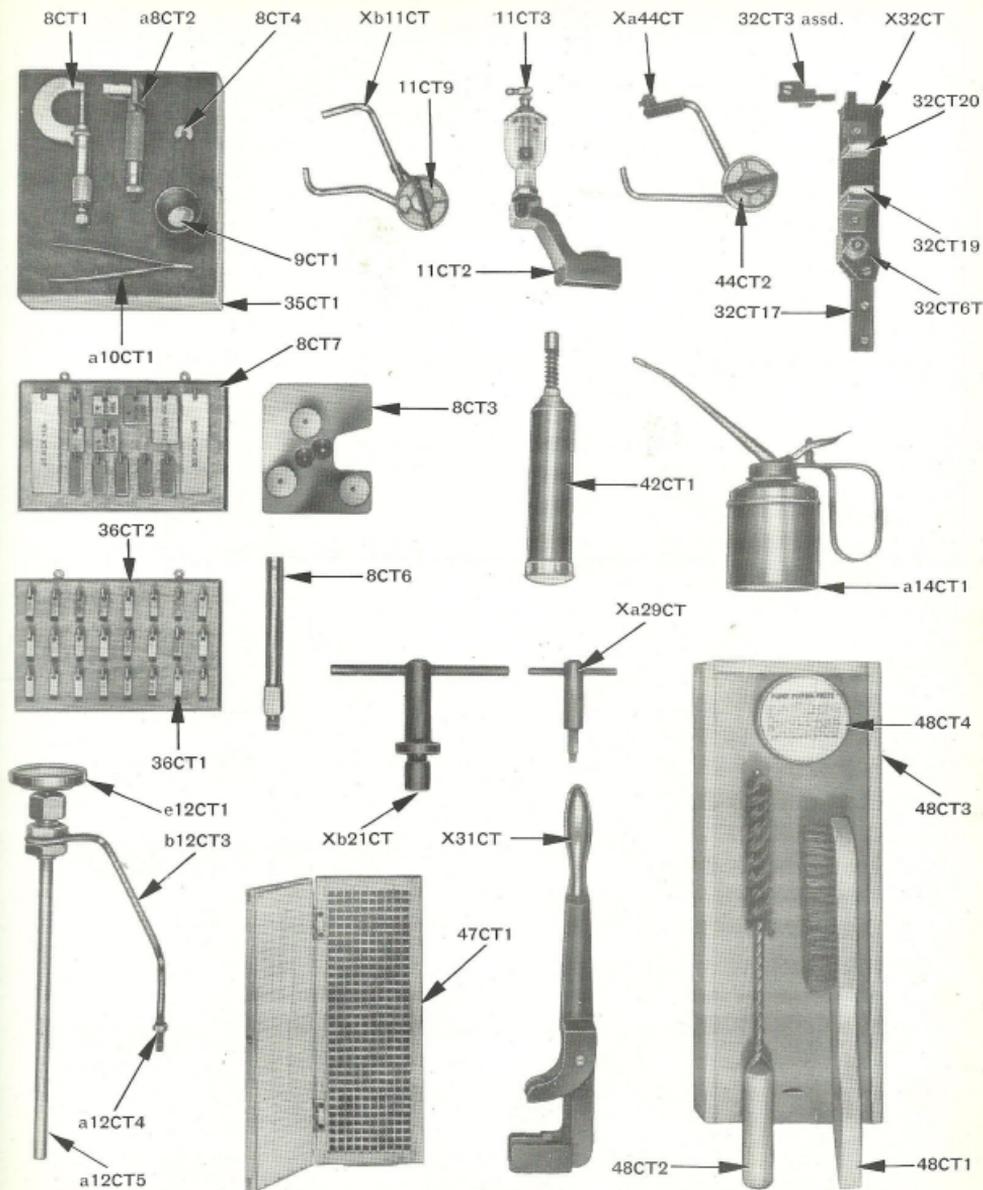
- 47CT1 Sorts Matrix Storage Box, for 2" x 2" Matrices, 10 x 32 rows

48CT

- Pump Cleaning Equipment
 48CT1 Brush, for Pump Piston
 48CT2 Brush, for 1/2" Pump Body
 48CT3 Box
 48CT4 Paste, for Pump Piston
 X48CT Pump Cleaning Equipment group; consists of 48CT1 to 4 inclusive

49CT

- 49CT1 Cabinet, for Matrix Boxes
 49CT2 Vertical Support Clip
 49CT3 Horizontal Clip



36A

- a36A1 Centring Pin Auxiliary Spring (2), for display type casting
 b36A1 Centring Pin Auxiliary Spring (2), Large Composition Attachment
 a36A2A* Abutment, lower, for display type casting
 a36A3 Abutment, upper, for display type casting
 b36A3 Abutment, upper, Large Composition Attachment
 36A4 Abutment Stud (2), for display type casting
 36A5 Abutment Stud Nut (2), for display type casting
 36A6 Abutment Stud Washer (2), for display type casting
 Xb36A Centring Pin Auxiliary Spring, for display type casting, group; consists of a36A1(2), a36A2A, a36A3, a36A5(2), a36A6(2)
 Xc36A Centring Pin Auxiliary Spring, Large Composition Attachment, group; consists of b36A1(2), a36A2A, a36A3, a36A5(2), a36A6(2)
 *a36A2A consists of a36A2, a36A4(2)

49A**TYPE AND RULE CASTER DISPLAY ATTACHMENT**

- a49A4* Matrix Holder, for American Display Matrices
 No. 5550
 a49A1 Positioning Spring
 b49A2 Positioning Spring Screw (2), $\frac{1}{8}'' \times \frac{1}{8}''$
 a49A3A Slide, front
 a49A4 Slide Retaining Pin
 a49A5 Slide, rear
 a49A6 Slide Operating Lever, hand
 a49A7 Slide Operating Lever Fulcrum
 a49A8A Slide Operating Lever, front
 a49A9 Slide Operating Lever Pin
 a49A10A Slide Operating Lever, rear
 a49A11 Slide Operating Lever Pin
 a49A12A Slide Operating Lever, intermediate
 a49A13 Slide Operating Lever Pin (2)
 a49A14 Slide Operating Lever Spring, front
 a49A15 Slide Operating Lever Spring, rear (2)
 a49A16 Slide Operating Lever Spring Post (3)
 a49A17 Cone Hole Slide, adjustable
 a49A18 Cone Hole Slide Screw (2), $\frac{3}{8}'' \times \frac{3}{8}''$
 a49A19 Cover Plate
 a49A20 Cover Plate Screw (4), $\frac{3}{8}'' \times \frac{3}{8}''$, countersunk
 49A22 Positioning Spring Adjusting Screw
 a49A23 Positioning Spring Adjusting Screw Lock Screw, $\frac{1}{2}'' \times \frac{1}{4}''$, grub
 Xa49A Matrix Holder, for American Display Matrices, group; consists of a49A4 and Blank Matrix No. 5550
 *a49A4 consists of a49A, a49A1, b49A2 (2), a49A3A, a49A5 6 and 7, a49A8A, a49A10A, a49A12A, a49A14, a49A15(2), a49A16(3), a49A17, a49A18(2), a49A19, a49A20(4), a49A22 and 23
 †a49A3A consists of a49A3 and 4
 ‡a49A8A consists of a49A8 and 9
 §a49A10A consists of a49A10 and 11
 ¶a49A12A consists of a49A12, a49A13(2)

14B**TYPE AND RULE CASTER DISPLAY ATTACHMENT**

- a14B12 Normal Wedge Locking Pin Lifting Handle

20B**SHORT LEAD AND RULE ATTACHMENT**

- Type Carrier
 b20B11 Lever, for Type Clamp

23B**TYPE AND RULE CASTER DISPLAY ATTACHMENT**

- c23B8 Type Carrier Shoe, long
 b23B3 Cam, front
 b23B4B Cam, rear, movable
 23B12 Cam Fulcrum Pin
 a23B13 Cam Fulcrum Pin Knob
 23B14 Cam Fulcrum Pin Knob Pin

24B**TYPE AND RULE CASTER DISPLAY ATTACHMENT SHORT LEAD AND RULE ATTACHMENT**

- Type Carrier Shoe, short
 a24B2 Plate, Trip for Type Clamp (Type 14 to 36 Point and Didot)
 d24B2 Plate, Trip for Type Clamp (Short Rules, 1, 2 and 3 Point and Didot)

56B**TYPE AND RULE CASTER DISPLAY ATTACHMENT**

- 56B1 Mould Coupling Hook, 14 to 18 Point and Didot Display Mould

32C**TYPE AND RULE CASTER DISPLAY ATTACHMENT SHORT LEAD AND RULE ATTACHMENT QUAD AND SPACE MOULD ATTACHMENT**

- 32C1 Mould Blade Abutment Slide
 b32C1 Screw Packing Piece, 17 Point Mould Blade Abutment Slide
 b32C2 Screw Packing Piece, 17 Didot

11D**TYPE AND RULE CASTER DISPLAY ATTACHMENT QUAD AND SPACE MOULD ATTACHMENT SHORT LEAD AND RULE ATTACHMENT**

- a11D1 Justification Wedge, rear, Point, Display

21D**DISPLAY ATTACHMENT QUAD AND SPACE MOULD ATTACHMENT SHORT LEAD AND RULE ATTACHMENT**

- Normal Wedge Point
 Handle
 Xb21D Normal Wedge, Point, group; consists of b21D1, a21D2

69D**DISPLAY ATTACHMENT QUAD AND SPACE MOULD ATTACHMENT SHORT LEAD AND RULE ATTACHMENT**

- a69D1 Justification and Normal Wedge Gauge

44E**TYPE AND RULE CASTER DISPLAY ATTACHMENT SHORT LEAD AND RULE ATTACHMENT QUAD AND SPACE MOULD ATTACHMENT**

- Mould Blade Cam Lever
 d44E9 Compound Lever Lock Screw Collar

107E**TYPE AND RULE CASTER DISPLAY ATTACHMENT**

- Gear Cover, rear
 107E5 Screw (2), $\frac{1}{2}'' \times \frac{3}{8}''$, Cover, rear, bottom, Part 1, to Speed Bracket Cap Screw

140E**DISPLAY ATTACHMENT QUAD AND SPACE MOULD ATTACHMENT SHORT LEAD AND RULE ATTACHMENT**

- a140E1E* Centring Pin Lever Gag Block
 a140E2 Pin
 140E3 Spring
 140E4 Stud
 140E5 Stud Nut

Xa140E

Centring Pin Lever Gag Block, group; consists of a140E1E, 140E3, 4 and 5
 *a140E1E consists of a140E1 and 2**50F****TYPE AND RULE CASTER DISPLAY ATTACHMENT**

X50F Type Channel Block, adjustable, 24 to 36 Point and Didot Display Mould, group

51F**TYPE AND RULE CASTER DISPLAY ATTACHMENT**h51FF Type Channel Block, fixed, 14 to 18 Point and Didot Display Mould, Quad Mould
 k51FF Type Channel Block, fixed, 24 to 36 Point and Didot Display Mould
 a51F6 Screw, rear, $\frac{3}{8}'' \times 1\frac{1}{8}''$ **19H****TYPE AND RULE CASTER DISPLAY ATTACHMENT**a19H15 Piston Operating Rod
 a19H16 Crosshead Stud
 a19H17 Crosshead Stud Nut
 Crosshead Stud Nut Lock Nut**20H****TYPE AND RULE CASTER DISPLAY ATTACHMENT**c20H1 Piston Spring
 b20H7 Rod
 Rod Sleeve**57H****TYPE AND RULE CASTER DISPLAY ATTACHMENT**57H1 Latch
 57H2 Plate
 57H3 Plate Screw (2), $\frac{3}{8}'' \times \frac{3}{8}''$, countersunk
 X57H Latch group; consists of 57H1 and 2, 57H3(2)**58H****TYPE AND RULE CASTER DISPLAY ATTACHMENT**58H1 Latch Abutment
 58H2 Plate
 58H3 Plate Screw (2), $\frac{3}{8}'' \times \frac{3}{8}''$, countersunk
 X58H Latch Abutment group; consists of 58H1 and 2, 58H3(2)**59H****TYPE AND RULE CASTER DISPLAY ATTACHMENT**

59H1 Latch Abutment Spring

60H**TYPE AND RULE CASTER DISPLAY ATTACHMENT**60H1 Latch Pin (Not supplied separately, order X60H)
 60H2 Split Pin, $\frac{1}{8}'' \times \frac{1}{8}''$
 60H3 Plate (Not supplied separately, order X60H)
 60H4 Plate Spring Pin
 60H5 Plate Stop Pin
 X60H Latch Pin group; consists of 60H1 to 5 inclusive**61H****TYPE AND RULE CASTER DISPLAY ATTACHMENT**

61H1 Latch Spring

62H**TYPE AND RULE CASTER DISPLAY ATTACHMENT**62H1H1† Latch Stand
 a62H12 Shaft
 62H14 Shaft Nut
 62H15 Shaft Nut Lock Nut
 62H16 Shaft Spring

- 62H7 Spring Pin, for Latch Abutment Spring
 Latch Stand group; consists of 62H1H,
 a62H2, 62H4, 5 and 6
 *62H1H consists of 62H1, 62H7

63H

TYPE AND RULE CASTER DISPLAY ATTACHMENT

- a63H1 Pump Body Spring Rod Stop Plate (4)
 c63H3 Thumb Screw
 63H5* Spring, for obsolete Stud b63H3
 Xb63H Pump Body Spring Rod Stop Plate group;
 consists of a63H1(4), c63H3
 *Attachments supplied on and after June
 1945 and prior to August 1948 were
 equipped with this part

30CT

TYPE AND RULE CASTER DISPLAY ATTACHMENT

- 30CT1 Centring Pin Auxiliary Spring Gag

9CU

Display Attachment

Object—To provide for casting on the
 Composition Caster the larger sizes of
 type (from 14 to 36 point inclusive)
 as sorts, also leads and rules

- a9CU Display Attachment (Home Customers),
 specify point or didot, complete; consists
 of a9CU(A), a9CU(B)
 b9CU Display Attachment (Foreign Customers,
 specify country), specify point or didot,
 complete; consists of a9CU(A), b9CU(B)
 a9CU(A) Display Attachment (excepting Speed
 Regulating), specify point or didot;
 consists of Xb36A, Xa48A, a14B12,
 c23BB assd., a24B2, 56B1, 32C1, a11D1,
 Xb21D (or b32C1, b11D1), Xd21D),
 a69D1, d44E9, Xa140E, Xf50F, h51FF,
 Xk51F, a14H2, Xfw17H, a19H5, 6 and 7,
 b20H, c20H1, c20H5, b20H7, 20H11,
 a20H12, 20H13, Xk23H, X57H, X58H,
 59H1, X60H, 61H1, X62H, Xb63H,
 6CT7, Xa29CT, 30CT1
 a9CU(B) Speed Regulating Attachment (Home
 Customers); consists of Xb3E, Xb5E,
 a6E, a6E4, d19E assd., a97E1, Xa98E,
 X99E, Xa100E, Xa101E, X102E, X103E,
 104E1, Xa105E, Xa106E, Xa107E,
 X108E, Xa109E, X110E, 111E1, 112E1,
 117E1, 118E1, X119E, Xa120E, X121E,
 Xd122E, Xa123E, X124E, X125E,
 X126E, X129E, 130E1, 130E2(6), X131E,
 Xa132E, X133E, X217E, Xa37F
 b9CU(B) Speed Regulating Attachment (Foreign
 Customers, specify country); consists of
 a9CU(B), but with Xd122E in place of
 Xd122E

53CU

Short Lead and Rule Attachment

(1½, 2 and 3 point and didot)

Object—To deliver material cast in the
 Short Rule Mould

For Composition Casters equipped with
 Display Attachment and Type and
 Rule Casters

- 53CU Short Lead and Rule Attachment (Specify
 point or didot), consists of b20B11,
 d24B2, a14H4
 For Composition Caster
 53CU1 Short Lead and Rule Attachment (Specify
 point or didot), consists of a14B12,
 b20B11, d24B2, 32C1, a11D1, Xb21D
 (or b32C1, b11D1, Xd21D), a69D1,
 d44E9, Xa140E, h51FF, a14H4

83CU

Large Composition Attachment

Object—To provide for casting 14, 16,
 18 and 24 point large composition

For Composition Casters numbered
 22700 and over

- 83CU1 Large Composition Attachment, consists of
 Xc36A, a24B2, d44E9, Xc19F, Xv30F,
 a14H2, Xhw17H, a19H5, 6 and 7, c20H1,
 b20H7, a20H12, X57H, X58H, 59H1,
 X60H, 61H1, X62H, Xb63H, 30CT1
 For Composition Casters numbered
 22700 and over equipped with Galley
 Trip (Sorts) Attachment
 83CU2 Large Composition Attachment, consists of
 83CU1, but with Xw30F in place of
 Xv30F

- For Composition Casters numbered 22700 and over equipped with Galley Trip (Sorts) and Leading Attachment
- 83CU3** Large Composition Attachment; consists of 83CU1, but with Xaw30F in place of Xv30F
- For Composition Casters numbered 22700 and over equipped with Galley Trip (Sorts) and Quadding and Centring Attachment
- 83CU4** Large Composition Attachment; consists of 83CU1, but with Xbw30F in place of Xv30F
- For Composition Casters numbered 22700 and over equipped with Leading Attachment
- 83CU5** Large Composition Attachment; consists of 83CU1, but with Xew30F in place of Xv30F
- For Composition Casters numbered 22700 and over equipped with Quadding and Centring Attachment
- 83CU6** Large Composition Attachment; consists of 83CU1, but with Xdw30F, Xew30F in place of Xv30F

Note. This Attachment requires that the Casting Machine be fitted with some form of Speed Regulating Mechanism.

The Matrix-case and Normal Wedge are not included as part of the Attachment, order separately.

For Composition Casters numbered prior to 22700, order also the Duplex Piston Spring Attachment 75CU1, without c20H1, b20H7 and a20H12 (included in 83CU1)

90CU

Quad and Space Mould Attachment

Object—To provide necessary parts for operating Quad and Space Mould on Composition Casters not equipped with Display Attachment (Part A)

- For Composition Casters, point
- 90CU1** Quad and Space Mould Attachment; consists of a14B12, c23BB assd., 32C1, a11D1, Xb21D, a69D1, d44E9, Xa140E
- For Composition Casters, didot
- 90CU2** Quad and Space Mould Attachment; consists of a14B12, c23BB assd., b32C1, b11D1, Xd21D, a69D1, d44E9, Xa140E
- Note. This Attachment requires that the Composition Caster be fitted with some form of Speed Regulating when the larger spaces are required, i.e., 1 em of 12 point or its equivalent