

*Spare Parts Catalogue
and Operating Instructions for the*

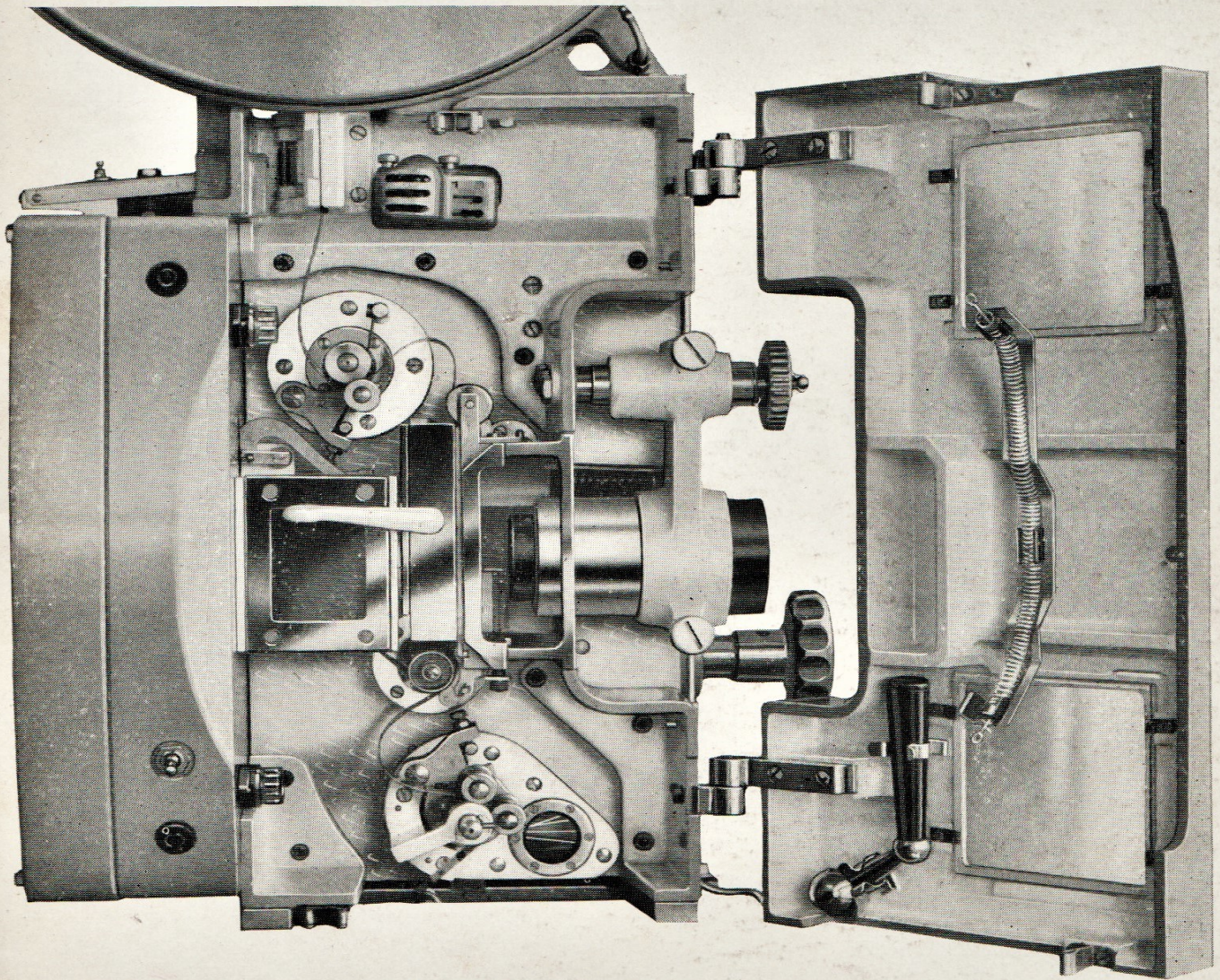
GAUMONT-KALEE

PROJECTOR MECHANISMS

Models

21, 20, & 19

THE
GAUMONT-KALEE
PROJECTOR MECHANISM



A

GAUMONT-KALEE

PRODUCT

IMPORTANT

HOW TO USE THE SPARE PARTS CATALOGUE

1. When ordering spare parts, always quote the Serial Number of the Projector and the Part Number.
2. This Catalogue supersedes all previous Spare Parts Lists relating to the Gaumont-Kalee Projector Mechanisms, Models " 21 ", " 20 " and " 19 ".
3. On pages 36 to 45 of this Catalogue will be found supplementary Spare Parts Lists referring to the GAUMONT-KALEE Models " 20 " and " 19 " only. Elsewhere, except when specifically stated, spare parts for these Models are interchangeable with those for Model " 21," and are not indicated by special numbers.

PROJECTOR MECHANISM

OILING INSTRUCTIONS

1. Remove large knurled head screw on top of Projector Frame and fill with Kalee "Superoil" to level indicated by white line on Oil Sight Window situated near bottom Projector sprocket.

Note.—Fill with oil after Projector has been set at correct rake and by means of the Masking Knob ensure that the filter inlet of the Cross Box is immediately beneath the oil thrower on the Top Intermittent Gear. This ensures that the Cross Box is filled and that the correct oil sight line is used. The Projector should be filled slowly as all oil passes through the Filter.

2. The Projector may be drained by using either of the two plugs provided at bottom of the Main Casting.

Note.—It is important that old oil be regularly drained out and the projector replenished with clean oil—Kalee "Superoil". It is recommended that the oil be changed fortnightly for the first month and thereafter monthly.

3. Oil all rollers, etc., and carefully wipe off any excess.

OPERATING INSTRUCTIONS

THE GATE (See Plates Nos. 7 and 8)

1. **To Open.**—Turn the handle situated in front of the light cone in an anti-clockwise direction. The gate remains open, until the handle is returned to the horizontal "closed" position.

N.B.—Projector Door **cannot** be closed whilst Gate is still open.

2. **Gate Plate.**—This assembly, complete with Top Guide Rollers, Pressure Skates, etc., may be removed when the Gate is opened by simply lifting to disengage, then withdrawing to the front. The Guide Rollers, Pressure Skates, etc., are carefully adjusted on leaving the factory and should give perfect projection under all normal circumstances.

3. **The Mask Plate.**—Lifts directly out of slots in Main Gate Bracket when the Gate is open.

TOP AND BOTTOM ROLLERS (See Plates No. 5 and 11)

For threading, the complete Roller Bracket is rotated on its pivot away from its sprocket. A stop is provided which allows sufficient opening for threading: a set screw operates against this stop providing adjustment in the closed position.

This is adjusted before leaving the factory to give two thicknesses of film between rollers and sprockets.

TIMING OF SHUTTERS (See Plate No. 17)

Single

The Shutter is mounted on the Shutter Spindle gear boss and is secured from rear by clamp ring. For removing Bottom Ghost on picture rotate the shutter **clockwise** on its boss.

N.B.—Care must be taken that the clamp screws are re-tightened before running projector.

Note.—That when timing normal single shutter as fitted on Models Nos. 20 and 19, the shutter should be rotated **anti-clockwise**.

MASKING (See Plate No. 10)

This is controlled by the maroon knob in the front end of the projector. A clutch is incorporated in this knob to give automatic lock against slip in either direction.

INSTRUCTIONS FOR REMOVAL OF UNITS

1. **Oil Filter** (See Plate No. 15)

Remove flange on top of projector frame when the complete filter assembly can be lifted out.

2. **Oil Pump** (See Plate No. 19)

This is situated on the rear side of projector in the bottom front corner. Remove the 3-4BA Screws in the flange when the pump can be withdrawn complete by utilising the three extra holes in the flange tapped 2 BA. Use 3-2BA Screws about $\frac{3}{4}$ " long which, thrust against the projector main casting, will extract the pump.

The main oil feed pipe is merely a "push" fit in the rear of the pump and only requires easing out by finger pressure when the pump is being extracted; i.e., the oil pipe may remain in position in the projector.

Note.—When replacing the pump, carefully clean the flange and its seating and insert a new Sealing washer.

3. **Intermittent Sprocket** (See Plate No. 13)

(a) Remove Stripper which is secured by a 2-BA screw underneath Light Cone.

(b) Remove screw and key washer, etc., at end of sprocket spindle, when the sprocket may be withdrawn.

Note.—This sprocket is reversible on spindle. Great care should be taken not to damage teeth.

4. **Intermittent Unit** (See Plate No. 13)

(a) Remove sprocket as above.

(b) Remove Rear Cover by releasing 10-2BA screws and breaking oil seal.

If Oil Seal is broken carefully a new gasket will not be necessary.

(c) Release special $\frac{3}{8}$ " B.S.F. clamp nut securing unit to Quadrant when unit may be withdrawn from rear of machine.

5. **Gate** (See Plate No. 8)

(a) Remove Lens from Holder.

(b) Remove Intermittent Sprocket—see para. (3).

(c) Remove complete Gate Plate—see operating instructions.

(d) Release Safety Shutter Lever at top of light cone.

(e) Release 2 screws securing Gate to front of Projector frame,

when Gate can be withdrawn from locating dowels. Take care that lifting linkage is released from safety shutter.

6. Top Sprocket (See Plate No. 5)

- (a) Remove stripper from post.
- (b) Release set screw securing sprocket to spindle, and withdraw.

Note.—When fitting new sprocket ensure that sprocket is pushed on spindle hard up against stop.

7. Top Sprocket Unit (See Plate No. 5)

- (a) Remove Rear Cover as in para. 4 (b).
- (b) Release driving gear from sprocket spindle. This gear is secured by an Allen set screw and Woodruff Key.
- (c) Release Sprocket Bearing on front face of projector when complete unit may be withdrawn.

Note.—If care is taken when breaking oil seal underneath sprocket-bearing a new seal need not be fitted.

8. Bottom Sprocket (See Plate No. 11)

- (a) Remove driving pin for handle (this is a taper pin, hence take care to drive out from the small end).
- (b) Release 2 securing screws in base of outrigger-bearing, when it may be removed complete with stripper.
- (c) Release set screw securing sprocket to spindle, and withdraw.

Note.—When fitting new sprocket ensure that sprocket is pushed on spindle hard up against stop.

9. Bottom Sprocket Unit (See Plate No. 11)

- (a) Remove driving gear at rear of Projector. This is secured by large-head screw, Lock Washer and Woodruff Key.
- (b) Remove all screws securing bearing on front face, including the 2 screws securing the outrigger-bearing, when complete unit may be withdrawn.
If care is taken when breaking oil seal underneath sprocket bearing, a new seal need not be fitted.

Note.—When replacing unit take care not to damage gears when meshing into the gear train.

10. Masking Knob Unit (See Plate No. 10)

- (a) Release large domed-head screw in front of knob, and 2 set screws, when complete knob may be withdrawn from spindle. Be careful not to lose the rollers of the clutch mechanism.
- (b) Release 4 screws securing bearing to main frame, when spindle and gear, etc., may be withdrawn complete, taking care when breaking oil seal.
- (c) Note that the spindle is eccentric in order to permit fine adjustment of the meshing of the worm. The securing flange is drilled to permit a vernier adjustment.

11. **Complete High Speed Shutter Spindle** (See Plate No. 17)
- (a) Remove Rear Cover.
 - (b) Remove Intermittent Unit—see para. (4).
 - (c) Remove Shutter Rear Cover.
 - (d) Remove the Shutter and its Hub, which can be withdrawn as a single unit after removal of the $\frac{1}{4}$ " B.S.F. Lock-nut on the end of the Shutter Spindle.
 - (e) The Shutter Gear and Spindle may then be withdrawn from **inside** the frame. Take care that the gear does not foul the Governor, and note Woodruff Key in shutter end of spindle.
12. **Governor Shaft** (See Plate No. 14)
- (a) Remove the High Speed Shutter Spindle—see para. (11).
 - (b) Bend the Oil Pipe, which enters the thrower carried by the Top Intermittent Gear, to allow this gear to be withdrawn.
 - (c) Detach the **left-hand** screw retaining this gear and withdraw the gear.
 - (d) Detach the two right-hand screws retaining the strap 21295, and withdraw this and also the gears meshing top and bottom with the Spiral Gear on the Governor Shaft.
 - (e) Remove the Cover Plate from the Shutter End Bearing and detach the large-headed screw in the end of the Governor Shaft.
 - (f) Remove the Cover on the Front End Bearing of the Governor Shaft, then remove this Bearing, taking care to avoid damage to the thin paper gasket.
 - (g) It will be found that the Governor Shaft can then be extricated without further dismantling.
13. **Intermittent Yoke Complete with Gearing** (See Plate No. 21)
- (a) Remove Governor Shaft—see para. (12).
 - (b) Remove Bottom Sprocket Unit—see para. (9).
 - (c) Remove Gate—see para. (5).
 - (d) Remove Masking Knob Assembly—see para. (10).
 - (e) Remove locating plug 21397 from front of projector.
 - (f) Remove Oil Thrower on Intermittent Spindle 21398 and carefully remove oil seal.
Remove securing screws for Yoke thus exposed.
 - (g) Complete intermittent yoke may now be withdrawn by rotating the whole unit on the sprocket spindle spigot in a clockwise direction until the bottom gear spindle head clears the flange of the main casting.

KEY PLATE FOR THE COMPLETE ASSEMBLY **THE GAUMONT - KALEE "21" PROJECTOR MECHANISM**

WHEN ORDERING SPARE PARTS - ALWAYS STATE THE PART N° & THE PROJECTOR SERIAL N°

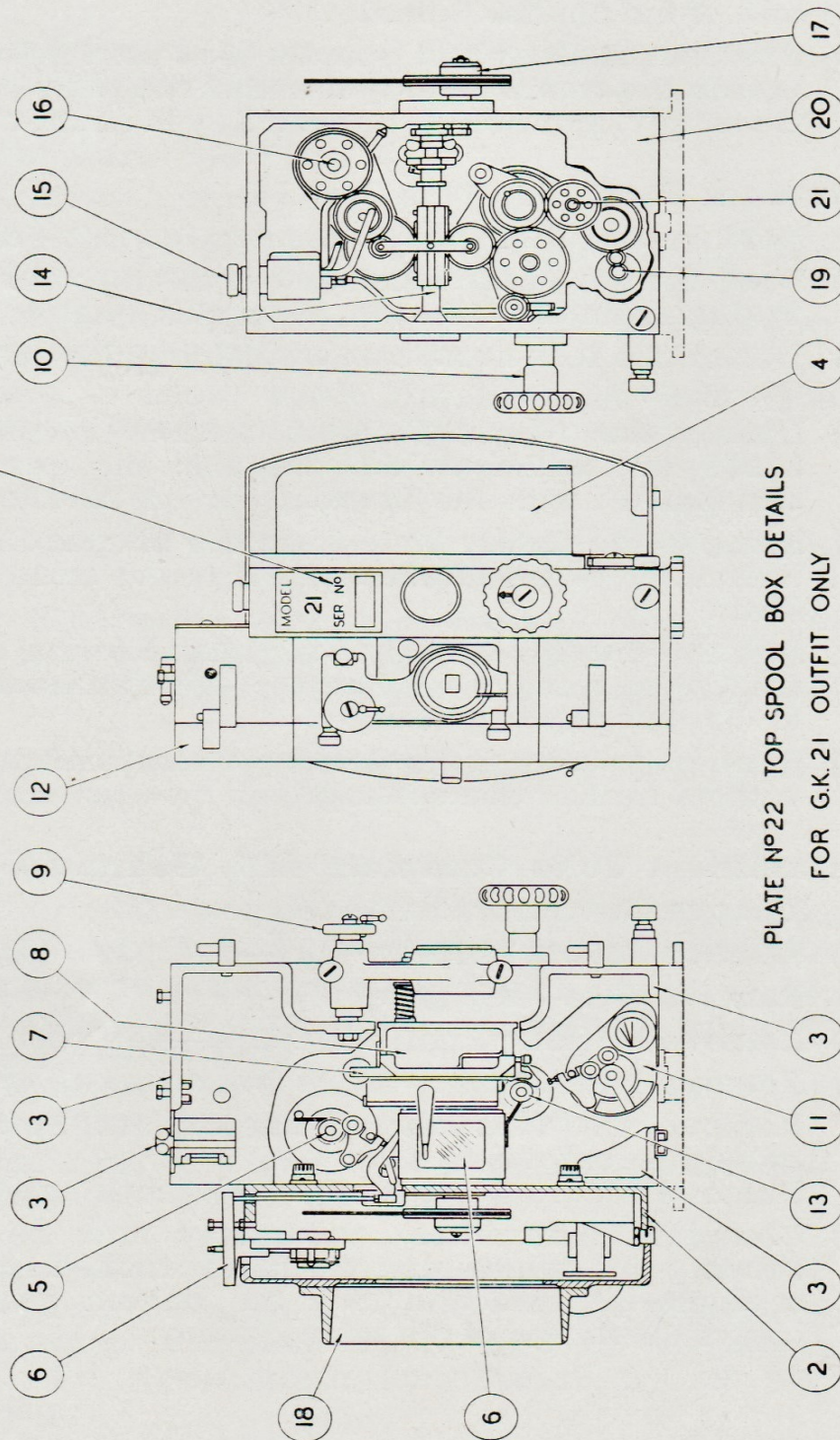


PLATE N°22 TOP SPOOL BOX DETAILS
FOR G.K.21 OUTFIT ONLY

ENCIRCLED FIGURES REFER TO PLATE N°5

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Plate No. 2. SHUTTER CASE AND ACCESSORIES

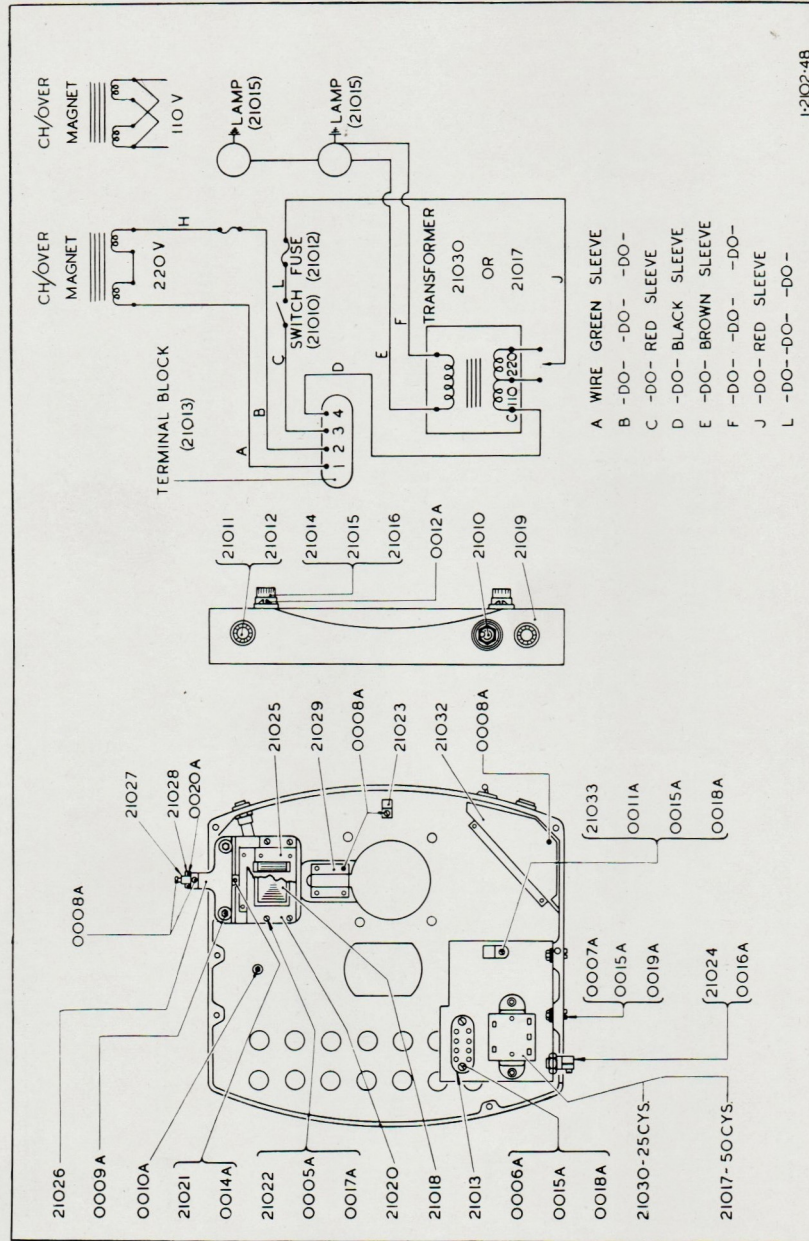
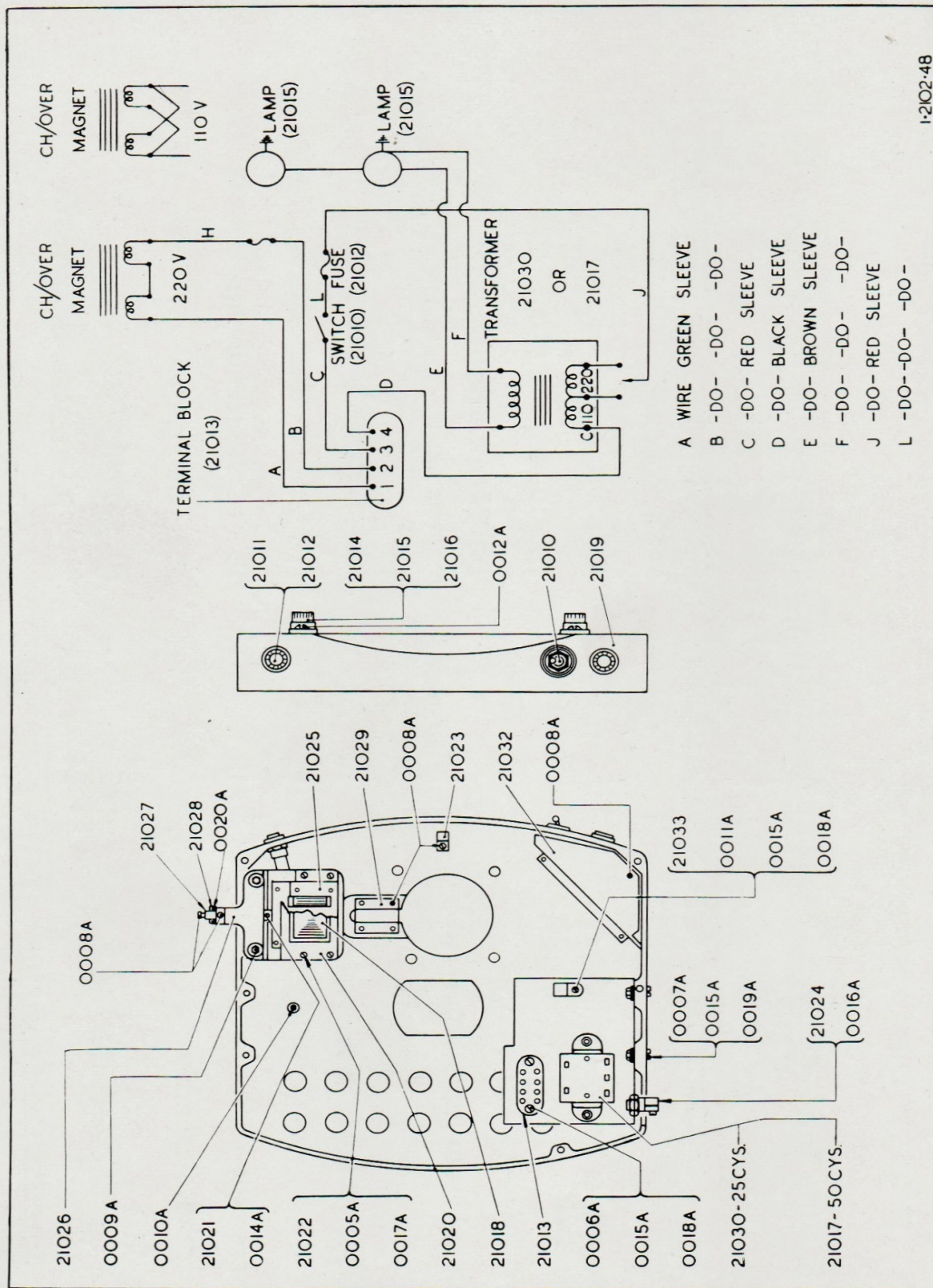


Plate No. 2. SHUTTER CASE AND ACCESSORIES

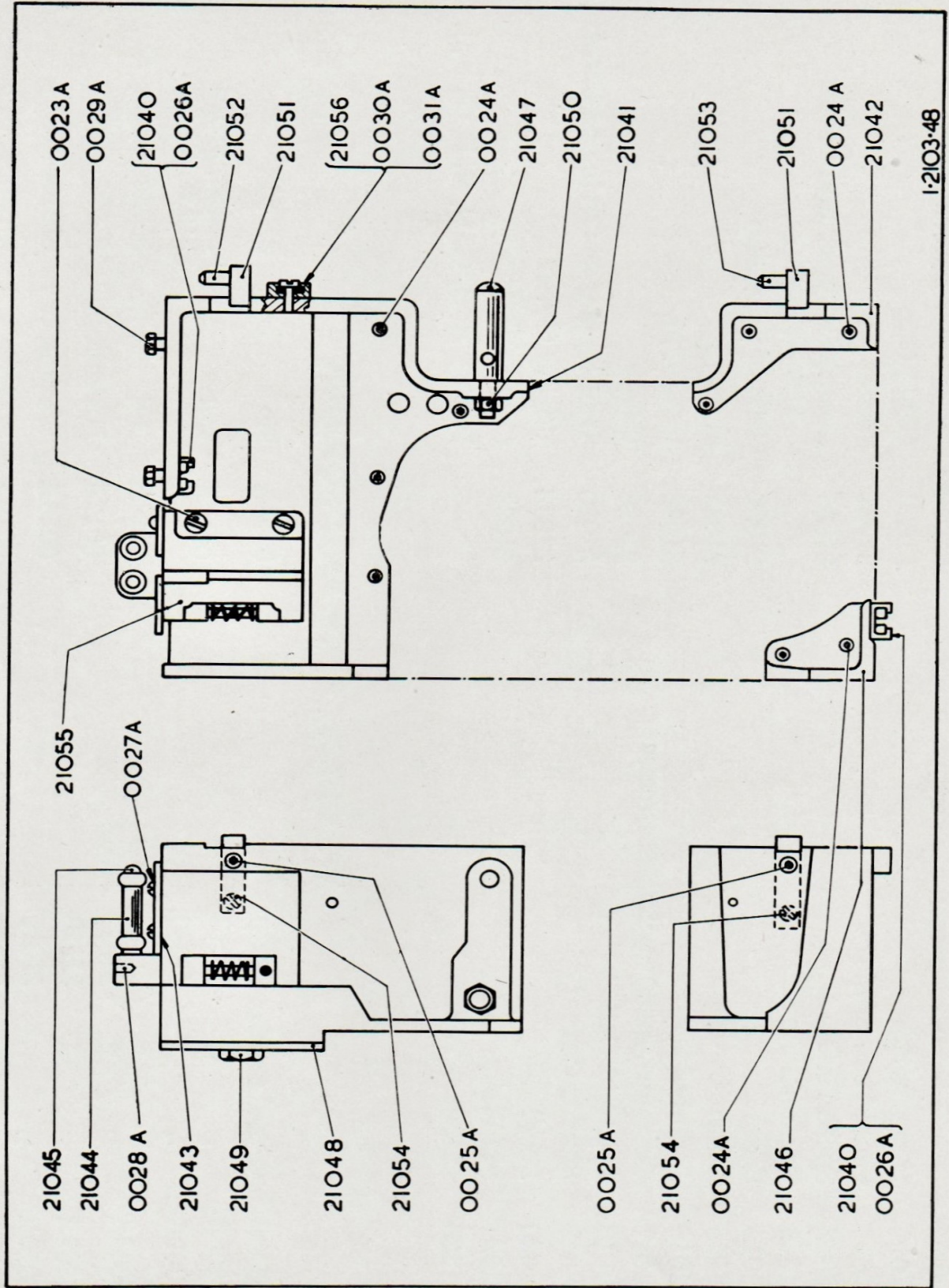


PART No.	DESCRIPTION	PART No.	DESCRIPTION
21010	Lamp Switch	21023	Cable Clip
21011	Panel Fuse Holder	21024	Socket for Cable
21012	Spare Fuse	21025	Complete Upper and Lower Lamination
21013	Terminal Block	21026	Solenoid Housing
21014	Bezel	21027	Plunger
21015	Lamp	21028	Cross Pin
21016	Lampholder	21029	Cover
21017	Transformer 50 cycle and Bracket	21030	Transformer 25 Cycle and Bracket
21018	Solenoid Coil	21032	Wiring Cover
21019	Shutter Case	21033	Cable Clip
21020	Panel	—	Wiring A, B, C, D, E, F, G, H, J, L
21021	Pin Fixing 21025		
21022	Distance Tube		

WASHERS, PINS AND SCREWS

0005A	Screw fixing	21020	0014A	Pin fixing	21021
0006A	"	21013	0015A	Nut	{ 21013, 21030 21033, 21017
0007A	"	21030, 21017	0016A	Nut	21024
0008A	"	{ 21027, 21029 21023, 21032	0017A	Locknut	21020
0009A	"	21026	0018A	Washer	21013, 21033
0010A	"	21019	0019A	Washer	21030, 21017
0011A	"	21033	0020A	Washer	21027
0012A	"	21016			

Plate No. 3. COMPLETE FRAME EXTENSIONS

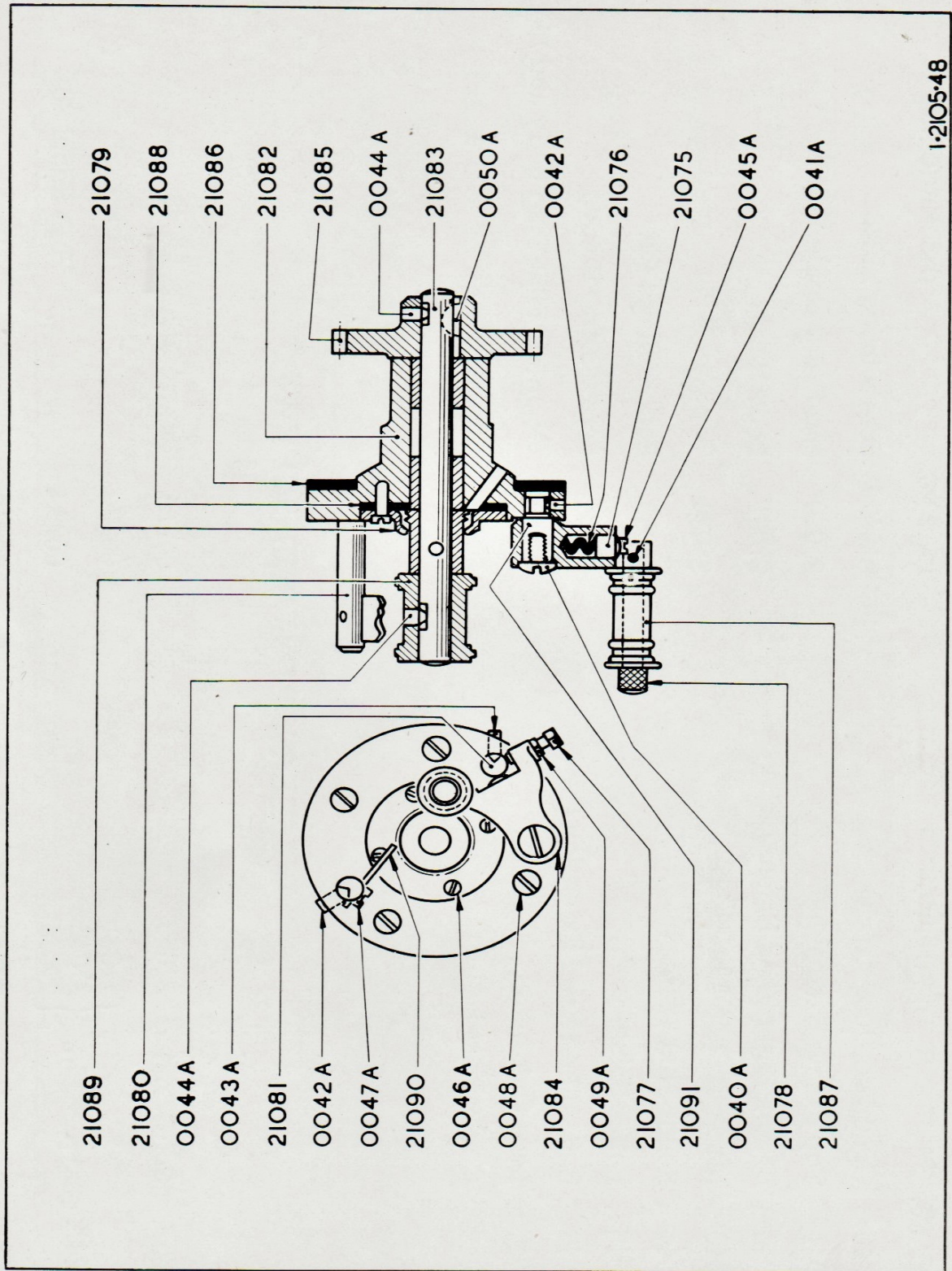


PART No.	DESCRIPTION	PART No.	DESCRIPTION
21040	Complete Door Catch	21049	Screw fixing 21048
21041	Top Frame Extension	21050	Nut fixing Guide Rod
21042	Bottom Right Hand Extension	21051	Body Hinge
21043	Masking Plate Film Trap	21052	Top Hinge Pin
21044	Roller Film Trap	21053	Bottom Hinge Pin
21045	Roller Spindle	21054	Screw fixing Hinges
21046	Bottom Left Hand Extension	21055	Complete Film Trap Body and Lid
21047	Lens Guide Rod	21056	Rubber Stop
21048	Cover Plate		

WASHERS, PINS AND SCREWS

0023A	Screw fixing	21055	0027A	Screw fixing	21043
0024A	"	"	0028A	"	"
		{ 21041 21042 21046	0029A	"	"
0025A	"	"	0030A	"	"
0026A	"	"	0031A	Washer for	21056
		21051			
		21040			
					Top Spool Box

Plate No. 5. TOP SPROCKET BEARING ASSEMBLY



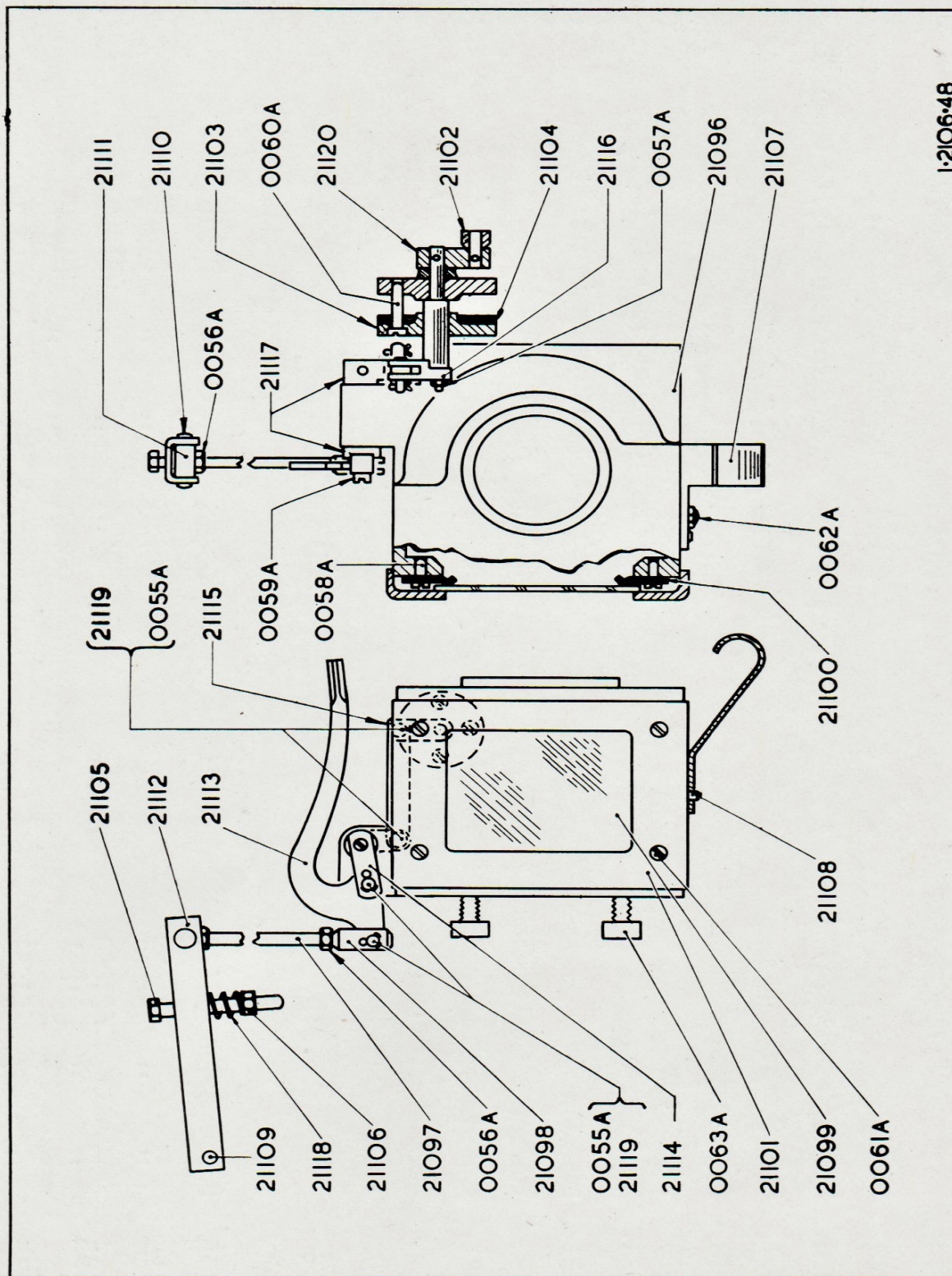
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PART No.	DESCRIPTION	PART No.	DESCRIPTION
21075	Plunger	21084	Top Roller Bracket
21076	Spring for Plunger	21085	Top Sprocket Gear, 57 teeth, Steel
21077	Stop Screw	21086	Oil Seal, Top Sprocket Bearing
21078	Roller Spindle	21087	Grooved Roller
21079	Oil Cover	21088	Oil Seal for Deflector
21080	Stripper Post	21089	Top Sprocket
21081	Stop Pin	21090	Stripper Blade
21082	Complete Top Sprocket Bearing	21091	Pivot Pin
21083	Complete Top Sprocket Spindle		

WASHERS, PINS AND SCREWS

0040A	Screw fixing	21084	0045A	Screw fixing	21075
0041A	"	"	21078	"	21079
0042A	"	"	{ 21080 21091	"	21090
0043A	"	"	21081	"	21082
0044A	"	"	21085, 21089	Locknut "	21077
				No. 3 Woodruff Key	21085

Plate No. 6. LIGHT CONE AND SHUTTER LINKAGE



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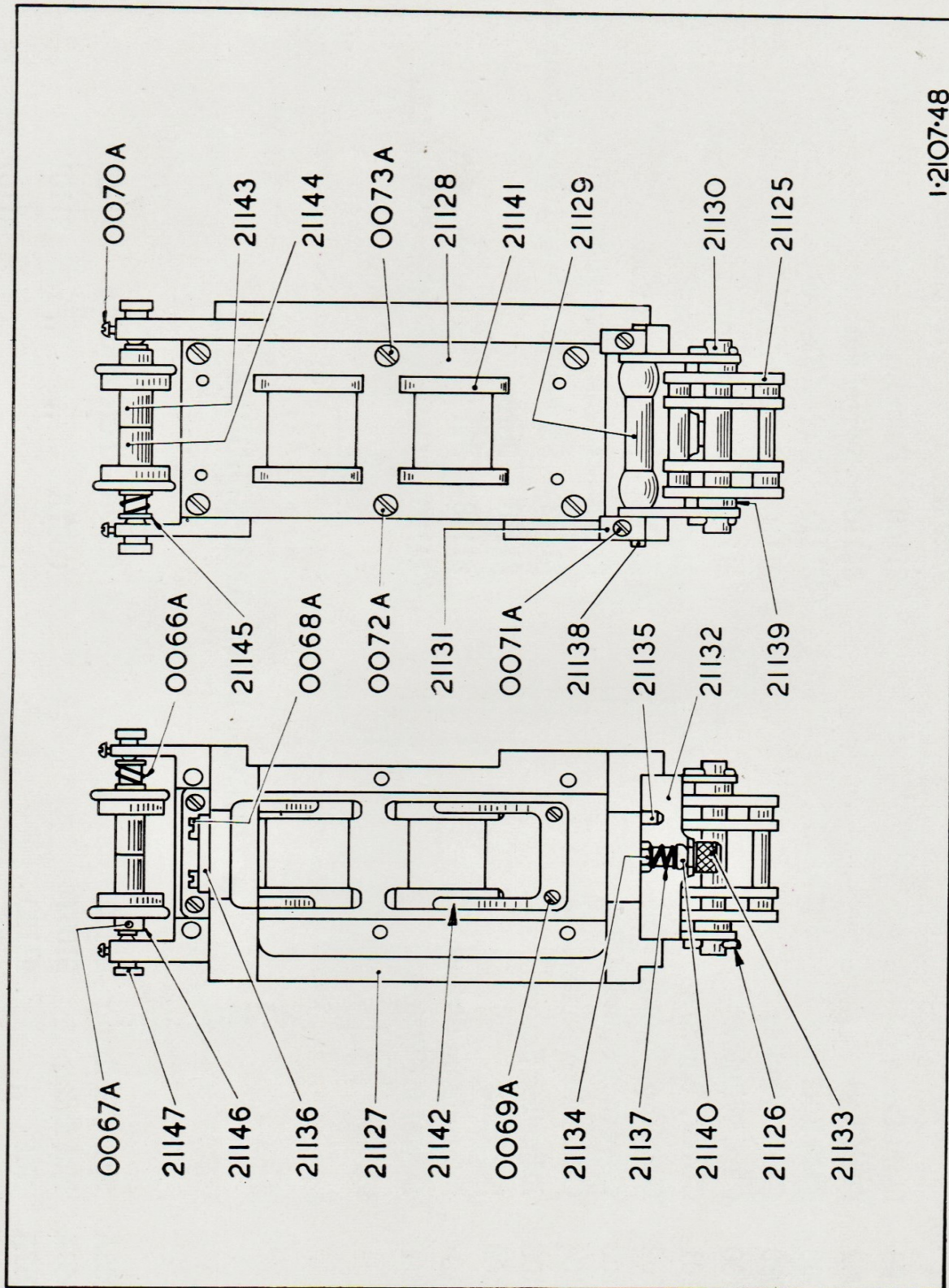
PART No.	DESCRIPTION
21096	Light Cone
21097	Push Rod
21098	Push Rod End
21099	Glass Window
21100	Clip, Window
21101	Cover, Window
21102	Governor Spindle Roller
21103	Governor Spindle Sleeve
21104	Oil Seal for Shutter Link
21105	Adjusting Screw
21106	Locknut
21107	Intermittent Stripper
21108	Dowel for Stripper

PART No.	DESCRIPTION
21109	Fulcrum
21110	Swivel Pin
21111	Swivel Sleeve
21112	Rocker Arm
21113	Shutter Arm
21114	Shutter Crank
21115	Connecting Rod
21116	Crank, Governor
21117	Shutter Spindle and Crank Complete
21118	Spring
21119	Pin
21120	Complete Safety Shutter Link

WASHERS, PINS AND SCREWS

0055A	Split Pin fixing	21119
0056A	Nut fixing	21097
0057A	Nut "	21120
0058A	Screw "	21100
0059A	" "	21117
0060A	Screw fixing	21103
0061A	" "	21101
0062A	" "	21107
0063A	" "	21096

Plate No. 7. GATE ASSEMBLY



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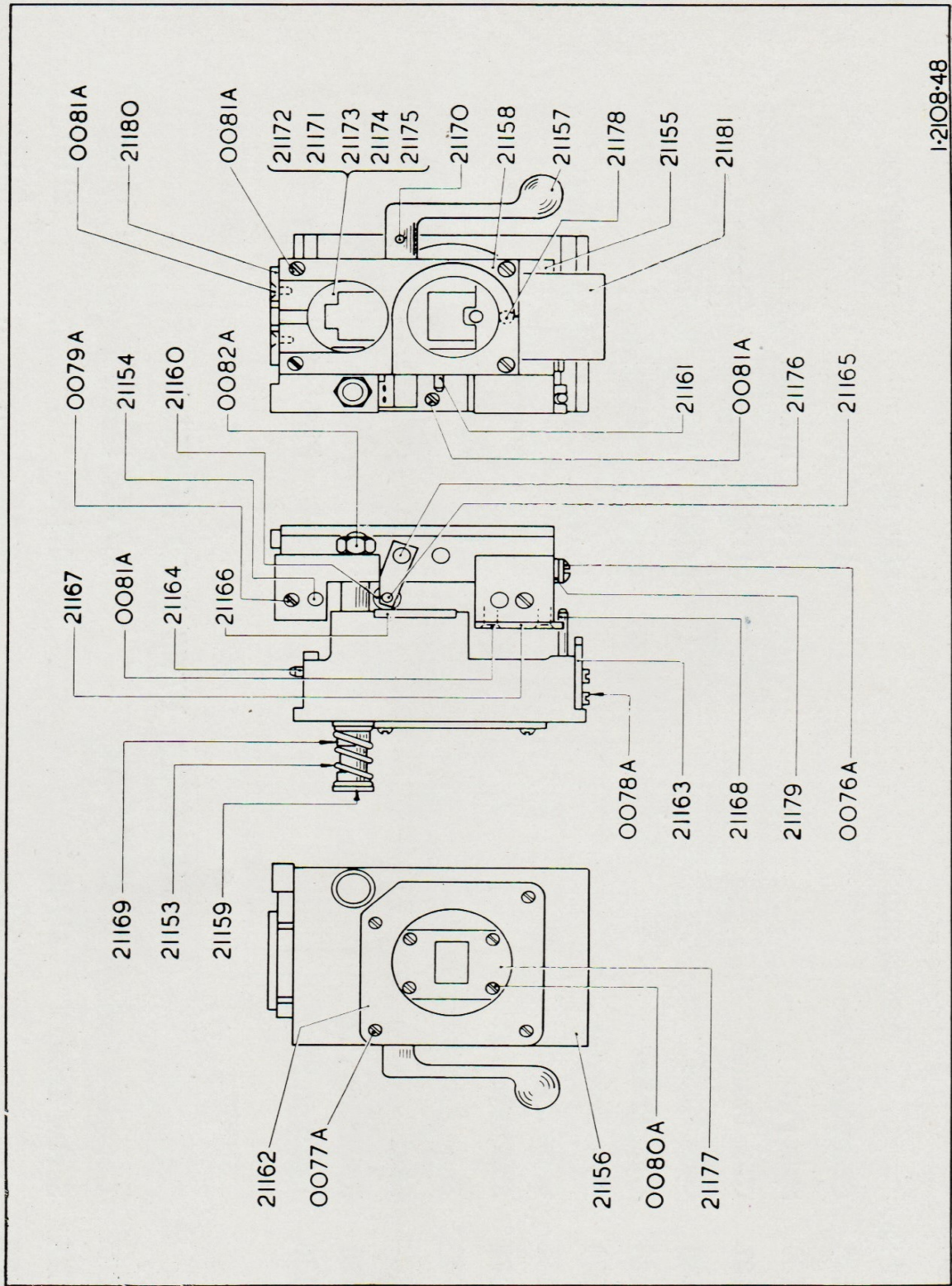
PART No.	DESCRIPTION
21125	Complete Shoe
21126	Split Pin
21127	Gate Frame
21128	Gate Plate
21129	Gate Roller
21130	Shoe Spindle
21131	Shoe Spindle Clamp
21132	Shoe Bracket
21133	Shoe Adjusting Nut
21134	Stud
21135	Retaining Peg
21136	Location Plate

PART No.	DESCRIPTION
21137	Spring
21138	Bracket Spindle
21139	Washer for Shoe
21140	Tension Roller
21141	Film Skate
21142	Gate Tension Spring
21143	Guide Roller
21144	Pressure Roller
21145	Spindle, Guide Roller
21146	Collar, Guide Roller
21147	Pivot for Roller Spindle

WASHERS, PINS AND SCREWS

0066A	Complete Spring	21144	0070A	Screw fixing	21147
0067A	Screw fixing	21146	0071A	"	21131
0068A	"	21136	0072A	"	21128
0069A	"	21142	0073A	"	21128

Plate No. 8. GATE BRACKET ASSEMBLY



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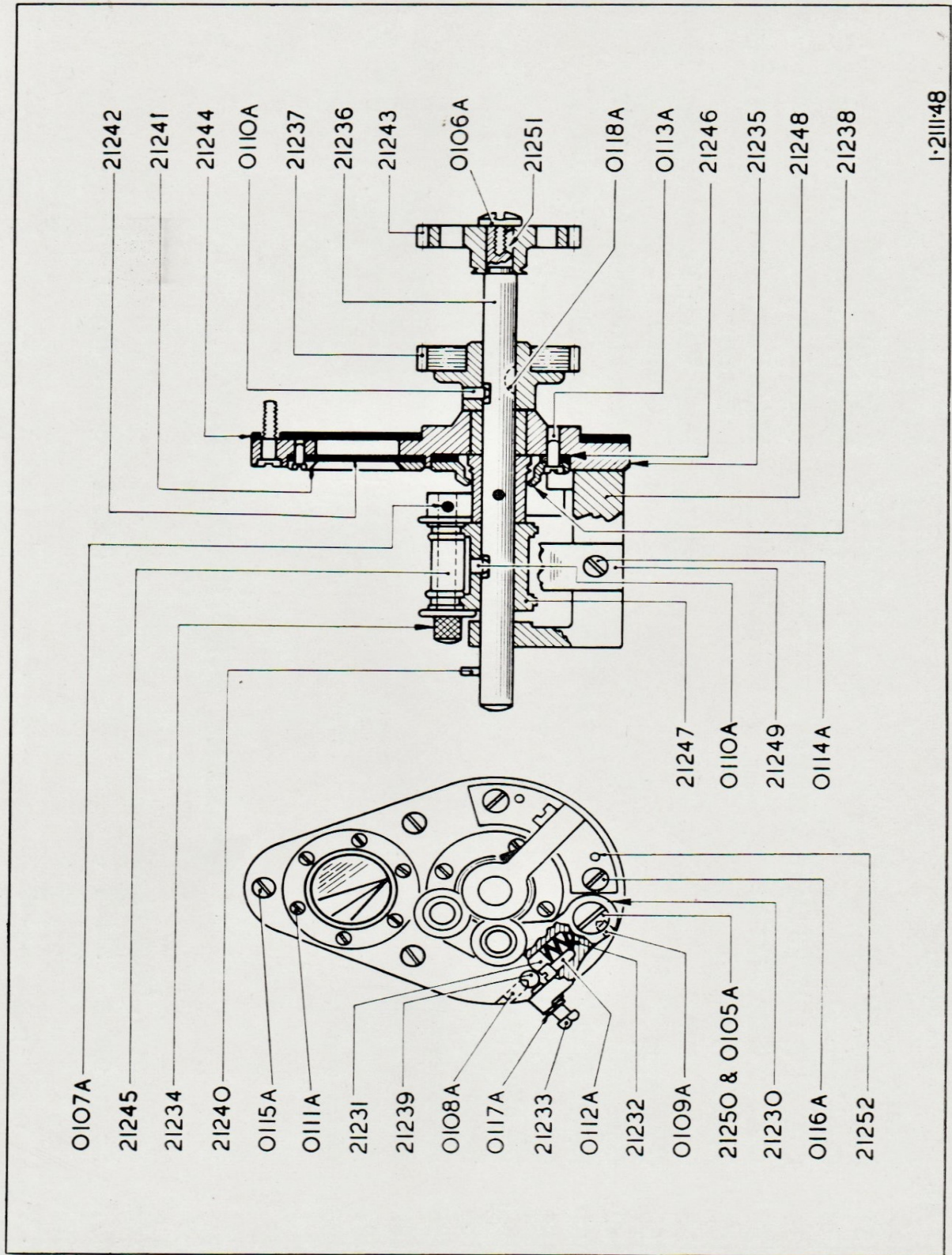
PART No.	DESCRIPTION	PART No.	DESCRIPTION
21153	Spring	21169	Thimble, Gate Arm
21154	Dowel for Gate Bracket	21170	Taper Pin, Gate Lever
21155	Gate Bracket	21171	Mask Plate, Standard, Square Corner
21156	G.K. 21 & G.K. 20 Gate Carriage	21172	Mask Plate, Standard, Round Corner
* 19156	G.K. 19 Gate Carriage	21173	Mask Plate, Velvet Runner, Square Corner
21157	Gate Lever	21174	Mask Plate, Velvet Runner, Round Corner
21158	Cover Plate	21175	Mask Plate, Velvet Carrier
21159	Gate Arm	21176	Roller Arm and Spindle
21160	Gate Roller	21177	Reflector Plate
21161	Roller Arm Stop Pin	21178	Stop Pin
21162	Cover Plate (Rear)	21179	Washer for 0076A
21163	Locating Plate	21180	Safety Shutter Stop
21164	Retaining Peg	21181	Safety Shutter G.K. 21 & G.K. 20
21165	Pin for Roller	* 19181	Safety Shutter G.K. 19
21166	Bearing Plate		
21167	Guide Plate		
21168	Guide Pin		

WASHERS, PINS AND SCREWS

0076A	Stop Screw, Mask Plate		
0077A	Screw fixing	21162	
0078A	"	21163	
0079A	"	21155	
0080A	"	21177	
0081A	Screw fixing	21158	
		21166	
		21167	
		21180	
0082A	Nut fixing	21159	

* Quote these Part Numbers for GAUMONT-KALEE Models "21," "20" & "19"

Plate No. 11. BOTTOM SPROCKET FRONT BEARING ASSEMBLY



PART No.	DESCRIPTION	PART No.	DESCRIPTION
21230	Roller Bracket	21242	Window
21231	Plunger	21243	Main Driving Gear, 44 teeth, Steel
21232	Spring for Plunger	21244	Oil Seal, Bottom Sprocket Front
21233	Stop Screw	21245	Grooved Roller
21234	Roller Spindle	21246	Oil Seal for Deflector
21235	Bottom Sprocket Bearing Complete	21247	Bottom Feed Sprocket
21236	Bottom Sprocket Spindle Complete	21248	Handle Bracket
21237	Bottom Sprocket Gear, 38 teeth, Steel	21249	Bottom Sprocket Stripper
21238	Oil Cover for Deflector	21250	Pivot Pin
21239	Stop Pin	21251	Key for Gear
21240	Pin for Spindle	21252	Dowel
21241	Window Frame		

WASHERS, PINS AND SCREWS

0105A	Screw fixing	21230	0112A	Screw fixing	21231
0106A	"	21243	0113A	"	21238
0107A	"	21234	0114A	"	21249
0108A	"	21239	0115A	"	Complete Assembly
0109A	"	21250	0116A	"	21248
0110A	"	21237, 21247	0117A	Nut	21233
0111A	"	21241	0118A	No. 3 Woodruff Key	21237

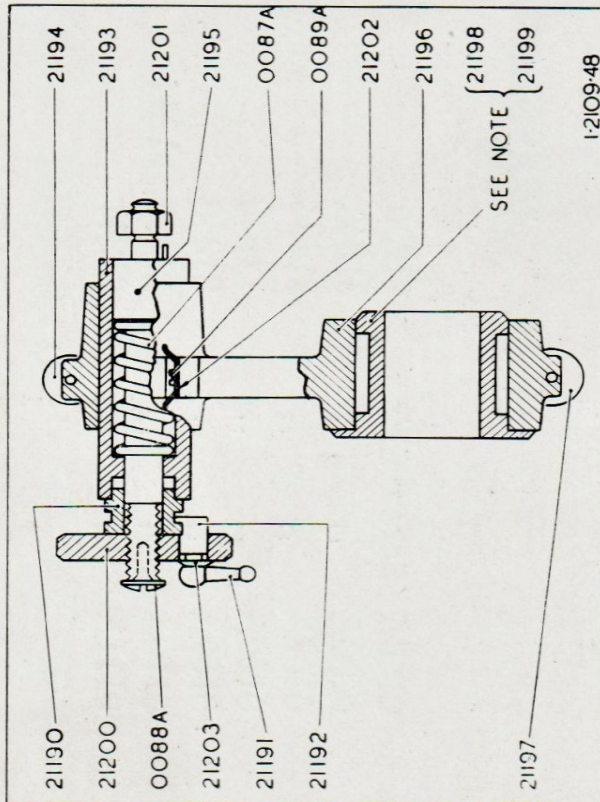


Plate No. 9. COMPLETE LENS HOLDER

PART No.	DESCRIPTION
21190	Key Washer
21191	Clamp Handle
21192	Clamp Stud
21193	Sleeve
21194	Lens Arm Clamp Screw
21195	Complete Stud and Pin, Lens Arm
21196	Lens Arm
21197	Clamp Screw Lens Adapter
21198	Lens Adapter, Standard
21199	Lens Adapter, Special (See Note)
21200	Focussing Nut
21201	Nut for Stud
21202	Lens Holder Spring
21203	Packing Washer

0087A	Compression Spring
0088A	Screw Retaining
0089A	Screw Fixing

Note.—21198—Standard Lens Adapter
 21199—Recessed Adapter, supplied for use with Series "H" 4/4" Focus Projection Lenses only.

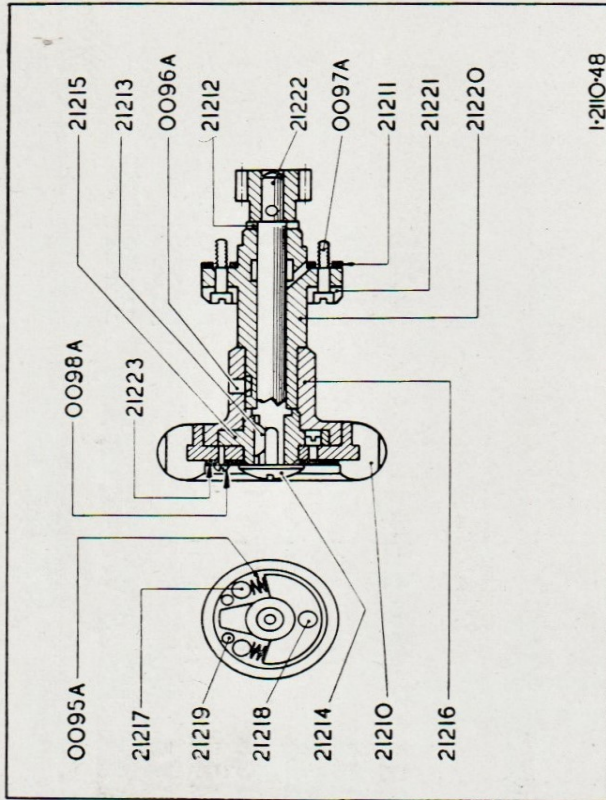


Plate No. 10. COMPLETE MASKING SLEEVE

PART No.	DESCRIPTION
21210	Masking Knob
21211	Oil Seal
21212	Washer for Gear
21213	Special Woodruff Key
21214	Retaining Screw
21215	Clutch Hub
21216	Clutch Shell
21217	Clutch Roller
21218	Driving Pin
21219	Release Screw
21220	Masking Sleeve
21221	Clamping Sleeve
21222	Gear Complete with Spindle
21223	G.K. 21 Masking Label
21224	G.K. 20 Masking Label
21225	G.K. 19 Masking Label

0095A	Roller Spring
0096A	Screw Fixing
0097A	" "
0098A	" "

WASHERS, PINS AND SCREWS

0095A	Roller Spring
0096A	Screw Fixing
0097A	" "
0098A	" "

21216	Roller Spring
21220	Screw Fixing
21223	" "
20223	" "
19223	" "

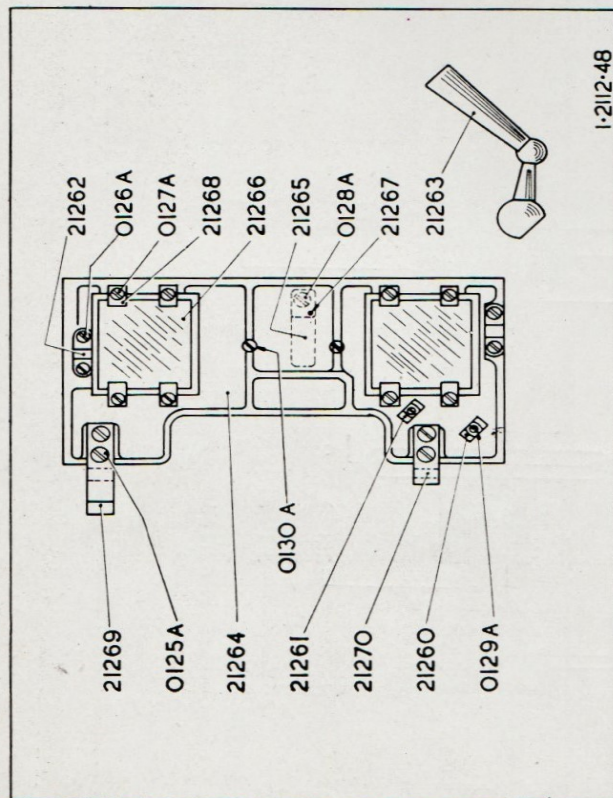


Plate No. 12.

COMPLETE PROJECTOR DOOR

PART No.	DESCRIPTION
21260	Terry Tool Clip 80/0
21261	Terry Tool Clip 80/1
21262	Door Sneek, Top and Bottom
21263	Complete Handle, Projector Drive
21264	G.K. 21 Projector Door
20264	G.K. 20 & G.K. 19 Projector Door
21265	Projector Door Handle
21266	Window
21267	Dowel for Handle
21268	Window Clip
21269	Top Hinge
21270	Bottom Hinge

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O125A
O126A
O127A

Screw Fixing 21269, 21270
" " 21262
" " 21266

WASHERS, PINS AND SCREWS

O128A
O129A
O130A

Screw Fixing 21265
" " 21260, 21261
Plug Screw

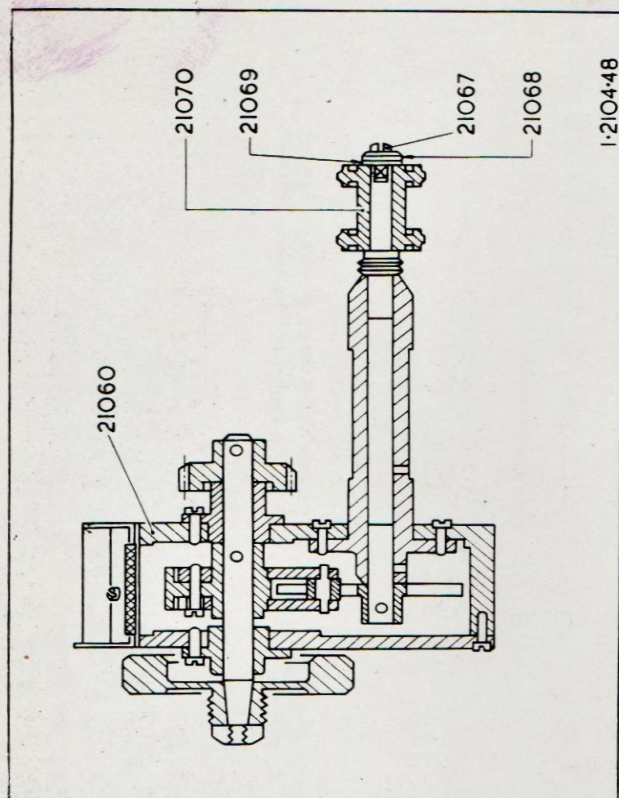


Plate No. 13.

COMPLETE INTERMITTENT UNIT

PART No.	DESCRIPTION
21060	Complete Intermittent Unit
21067	Screw Securing Sprocket
21068	Washer Securing Sprocket
21069	Complete Key Washer
21070	Intermittent Sprocket

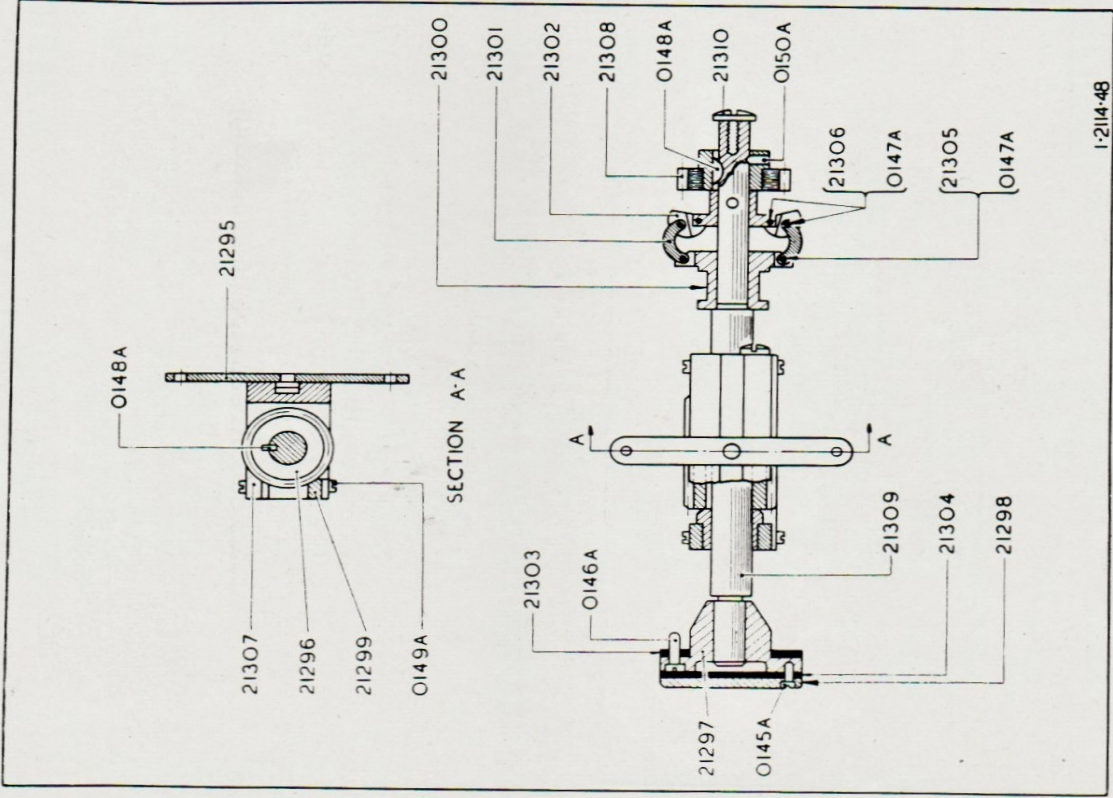
Plate No. 14

COMPLETE SHUTTER SHAFT

PART No.	DESCRIPTION
21295	Complete Strap and Key
21296	Shutter Gear, 19 teeth, Steel
21297	Shutter Shaft Front Bearing
21298	Cover Plate Front Bearing
21299	Shutter Gear Rack
21300	Governor Sleeve
21301	Governor Link
21302	Governor Bob
21303	Oil Seal, Front Shutter Bearing
21304	Oil Seal, Front Cover Plate
21305	Joint Pin, Short
21306	Joint Pin, Long
21307	Complete Gear Yoke with Bushes
21308	Complete Driving Gear, 34 teeth, Fibre
21309	Complete Shutter Shaft and Governor Body
21310	Shutter Shaft Retaining Screw

WASHERS, PINS AND SCREWS

0145A	Screw fixing	21298
0146A	"	21297
0147A	Split Pin fixing	21305, 21306
0148A	No. 3 Woodruff Key for	21296, 21308
0149A	Screw fixing	21299
0150A	"	21308



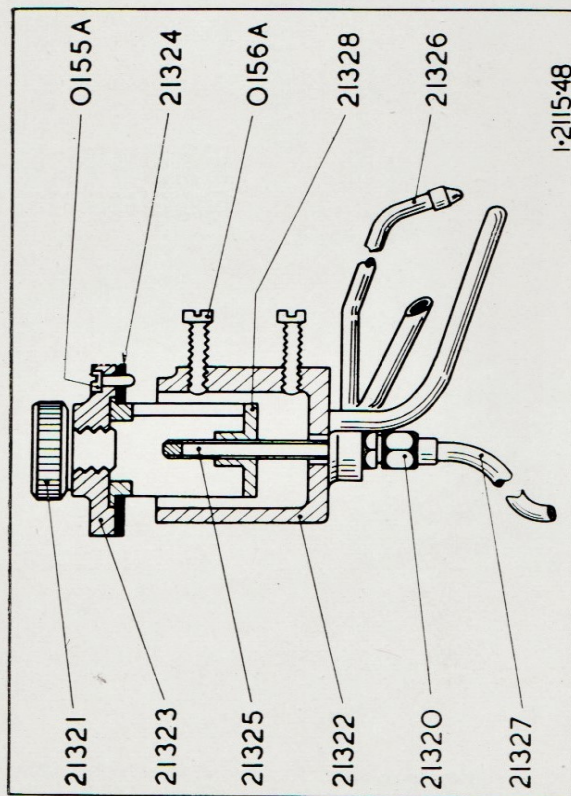


Plate No. 15

OIL FILTER AND FEED PIPES ASSEMBLY

PART No.	DESCRIPTION
21320	Nut for Lubricator Elbow
21321	Filler Plug
21322	Complete Oil Reservoir and Pipes
21323	Filler Plug Adapter
21324	Oil Seal for Oil Filler
21325	Complete Oil Sight Pipe
21326	Complete Oil Feed Pipe (Rear Bearing)
21327	Complete Oil Feed Pipe
21328	Complete Oil Filter

O155A	Screw Fixing	21323
O156A	"	21322

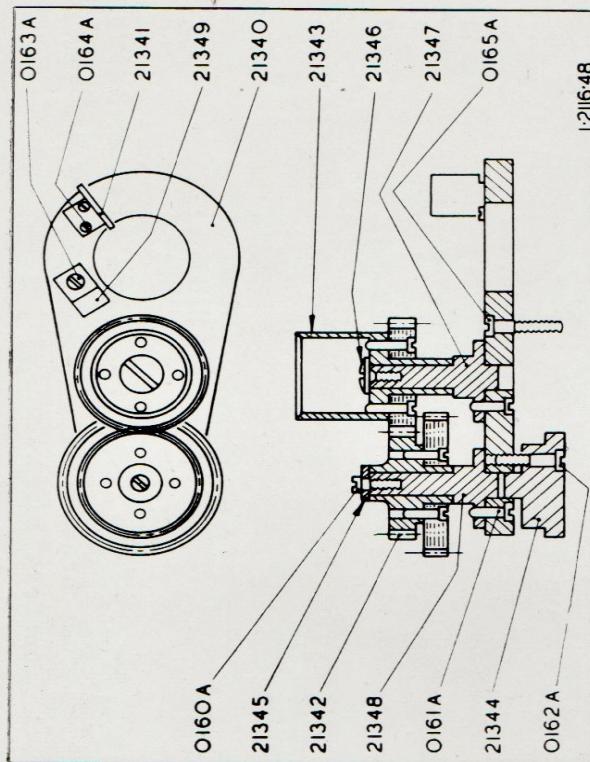


Plate No. 16

COMPLETE TOP GEAR YOKE

PART No.	DESCRIPTION
21340	Top Gear Yoke
21341	Oil Chute
21342	Complete Top Compound Gear, { 30 teeth, Steel
21343	Complete Top Intermittent Gear, { 40 teeth, Fibre
21344	Locating Plug
21345	Washer for Strap
21346	Screw fixing Intermittent Gear
21347	Top Intermittent Gear Post Left hand
21348	Top Intermittent Gear Post Right hand
21349	Clip for Oil Feed Pipe

Screw Fixing	21342
"	21347
"	21348
"	21344
"	21349
"	21341
"	21340

WASHERS, PINS AND SCREWS

O160A	
O161A	
O162A	
O163A	
O164A	
O165A	

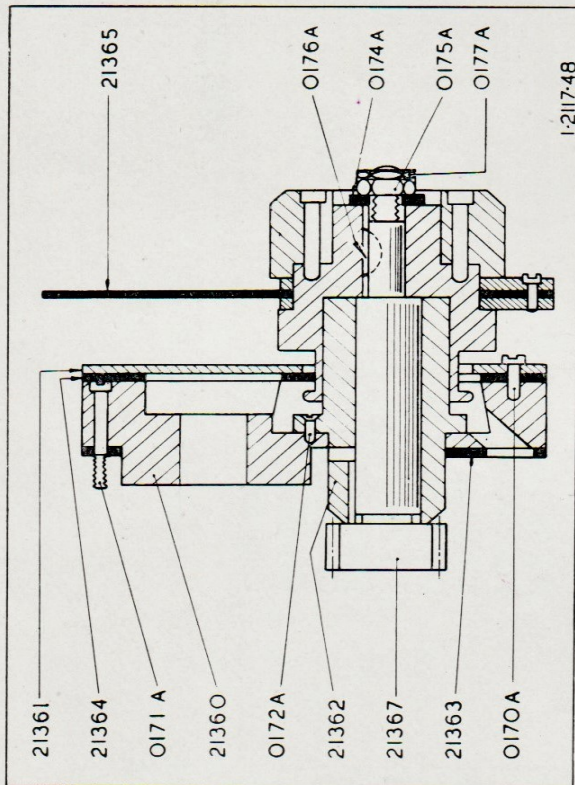


Plate No. 17 COMPLETE SHUTTER SHAFT BEARING

PART No.	DESCRIPTION
21360	Shutter Shaft Bearing
21361	Cover Plate
21362	Shutter Spindle Bearing
21363	Oil Seal, Shutter Shaft Bearing
21364	Oil Seal, Cover Plate
21365	Complete Double Speed Shutter
21367	Shutter Gear and Spindle, 17 teeth, Steel

0170A	Screw Fixing	21361
0171A	"	21360
0172A	"	21362
0174A	Std. 1/4" BSF. Washer	21367
0175A	Std. 1/4" BSF. Nut	21367
0176A	No. 1 Woodruff Key for	21367
0177A	Std. 1/4" BSF. Lock Nut for	21367

WASHERS, PINS AND SCREWS

0001A	Screw Fixing	21002
0002A	"	21003
0003A	"	21001

Note A.— The Shutter Cover Left - hand is either 3 Hole, or 2 Hole fixing. When ordering spares please quote number of holes.

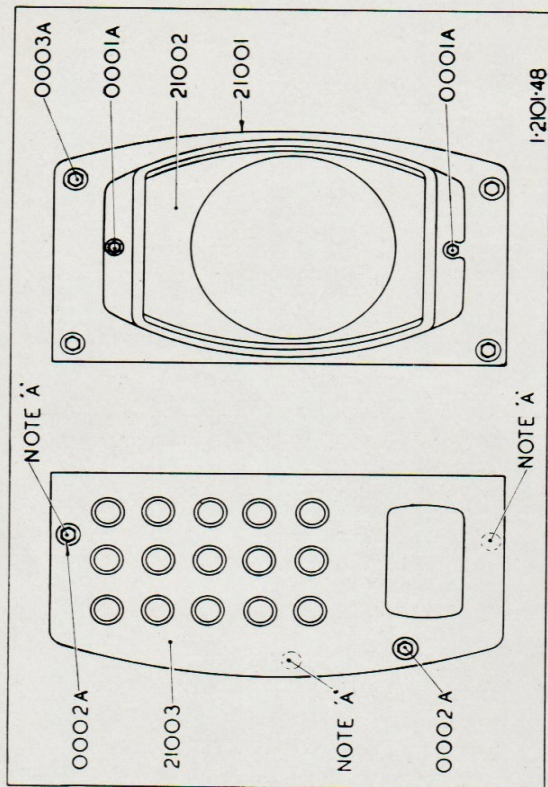


Plate No. 18 CONE AND SHUTTER COVERS

PART No.	DESCRIPTION
21001	Shutter Cover Right hand
21002	Cone for Shutter Cover
21003	Shutter Cover Left hand

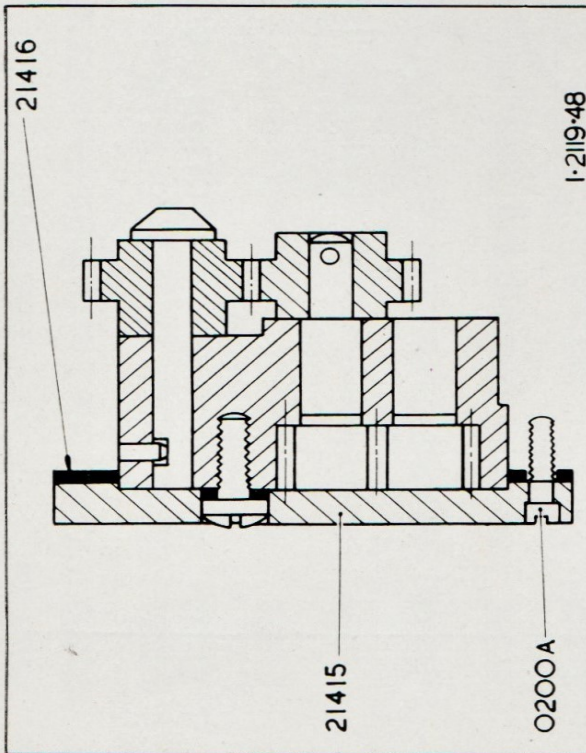


Plate No. 19 COMPLETE OIL PUMP

PART No.	DESCRIPTION
21415	Complete Oil Pump
21416	Oil Seal for Pump Flange

0200A	Screw fixing	21415
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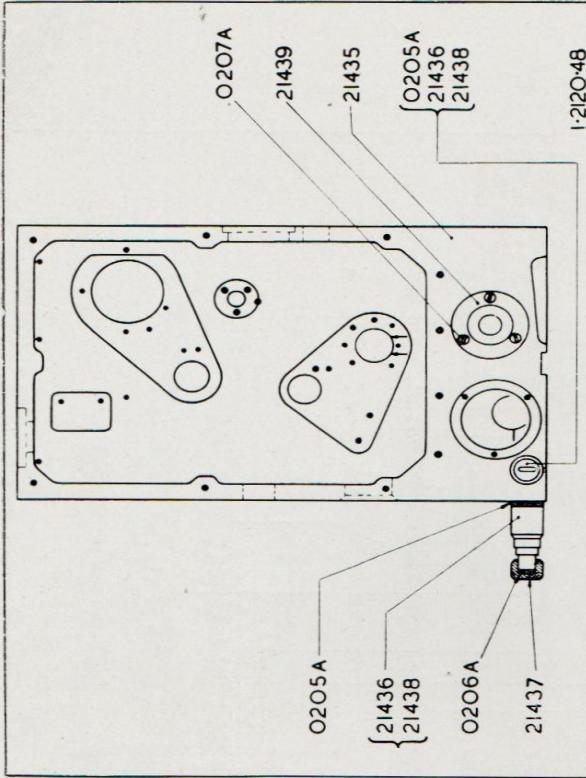


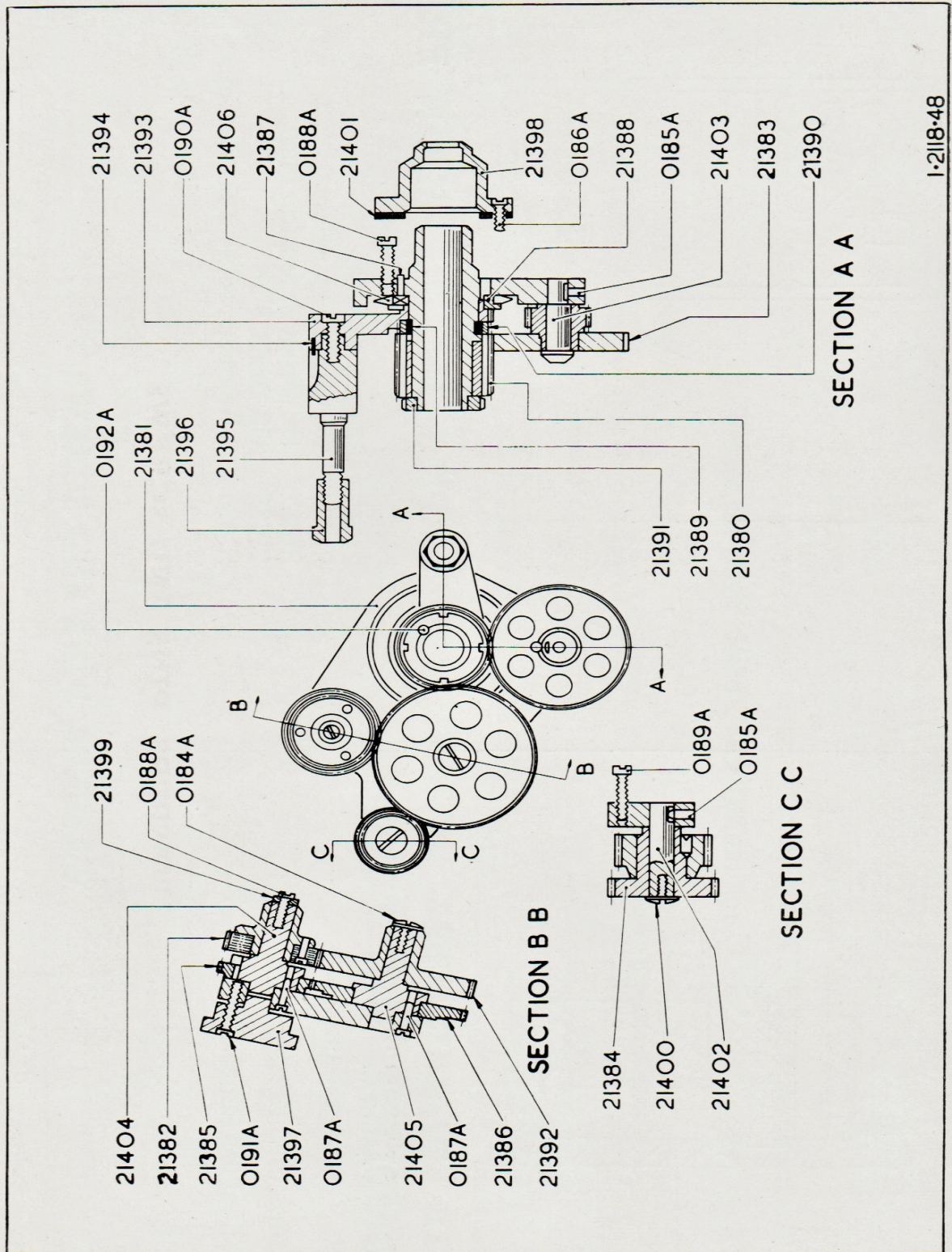
Plate No. 20. MAIN FRAME

PART No.	DESCRIPTION
21435	Main Frame
21436	Oil Drain Extension
21437	Oil Drain Extension Plug
21438	Oil Drain Plug
21439	Bottom Sprocket Rear Bearing

WASHERS, PINS AND SCREWS

0205A	Drain Plug Packing	
0206A	Oil Drain Washer	
0207A	Screw fixing	21439

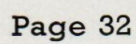
Plate No. 21. COMPLETE INTERMITTENT GEAR YOKE



PART No.	DESCRIPTION	PART No.	DESCRIPTION
21380	Complete Intermittent Gear, 29 teeth, Fibre	21394	Pin for Quadrant
21381	Intermittent Gear Train Bracket	21395	Post for Quadrant
21382	Complete Shutter Driving Gear, 29 teeth, Fibre	21396	Nut for Quadrant
21383	Complete Bottom Compound Gear, 42 and 21 teeth, Steel	21397	Locating Plug
21384	Complete Racking Compound Gear, 31 and 17 teeth, Brass	21398	Oil Deflector
21385	Shutter Yoke Racking Gear, 41 teeth, Steel	21399	Washer for Strap
21386	Racking Intermittent Gear, 68 teeth, Steel	21400	Retaining Screw
21387	Pin for Quadrant	21401	Oil Seal for Oil Deflector
21388	Flanged Washer	21402	Racking Compound Gear Post
21389	Split Ring	21403	Bottom Compound Gear Post
21390	Retaining Ring	21404	Lower Gear Post left hand
21391	Lock Ring	21405	Lower Gear Post right hand
21392	Lower Intermittent Gear, 48 teeth, Steel	21406	Corrugated Spring Washer
21393	Quadrant		

WASHERS, PINS AND SCREWS

0184A	Retaining Screw for 21392	0189A	Screw fixing	21381
0185A	Screw Retaining	0190A	"	21395
0186A	Screw fixing	0191A	"	21397
0187A	"	0192A	"	21391
0188A	"			



PART No.	DESCRIPTION	PART No.	DESCRIPTION
21445	Kingfisher Oil Cup	21475	Complete Door Catch G.K. 21*
21447	Complete $\frac{1}{2}$ " Spool Spindle and Drive Collar	20475	" " " G.K. 20, G.K. 19
21448	Pin for Plunger	21476	Spring Collar
21450	Spool Spindle Click End	21477	Pressure Spring
21455	Spool Drive Pin	21478	Spring Tension Nut
21454	Complete $\frac{3}{8}$ " Spool Spindle and Drive Collar	21479	Check Nut
21455	Spool Drive Pin	21480	Window, Top Spool Box
21463	Spool Spindle Click End	21481	Spindle Bearing
21460	Complete $\frac{5}{16}$ " Spool Spindle and Collar	21482	Escutcheon Plate
21461	Spool Stop Collar	21483	Complete Handle
21462	Spool Driving Key	21484	Spring for Handle
21463	Spool Spindle Click End	21485	Stop Pin
21466	Complete 9 mm. Spool Spindle and Drive Collar	21486	Stop Screw
21455	Spool Driving Pin	21487	Top Door Hinge
21463	Spool Spindle Click End	21488	Body Hinge
21472	Plunger	21489	Top Hinge Pin
21473	Spring for Plunger	21490	Bottom Hinge Pin
21474	Pin for Plunger	21491	Screw fixing 21487, 21492, 21488
		21492	Bottom Door Hinge
		21493	Clutch Disc
		21494	Rubber Stop

NOTE :- * Part Nos. 21475, 21483, 21484, 21485, 21494 and 21494 are not required for models G.K.20 and G.K.19 Projectors.

WASHERS, PINS AND SCREWS

0210A	No. 2 Woodruff Key	0214A	Screw fixing	21475
0211A	Screw fixing	0215A	" "	21488
0212A	" "	0216A	" "	21483
0213A	" "	0217A	Washer for	21494

Plate No. 4 REAR COVER (GLASS WINDOW)

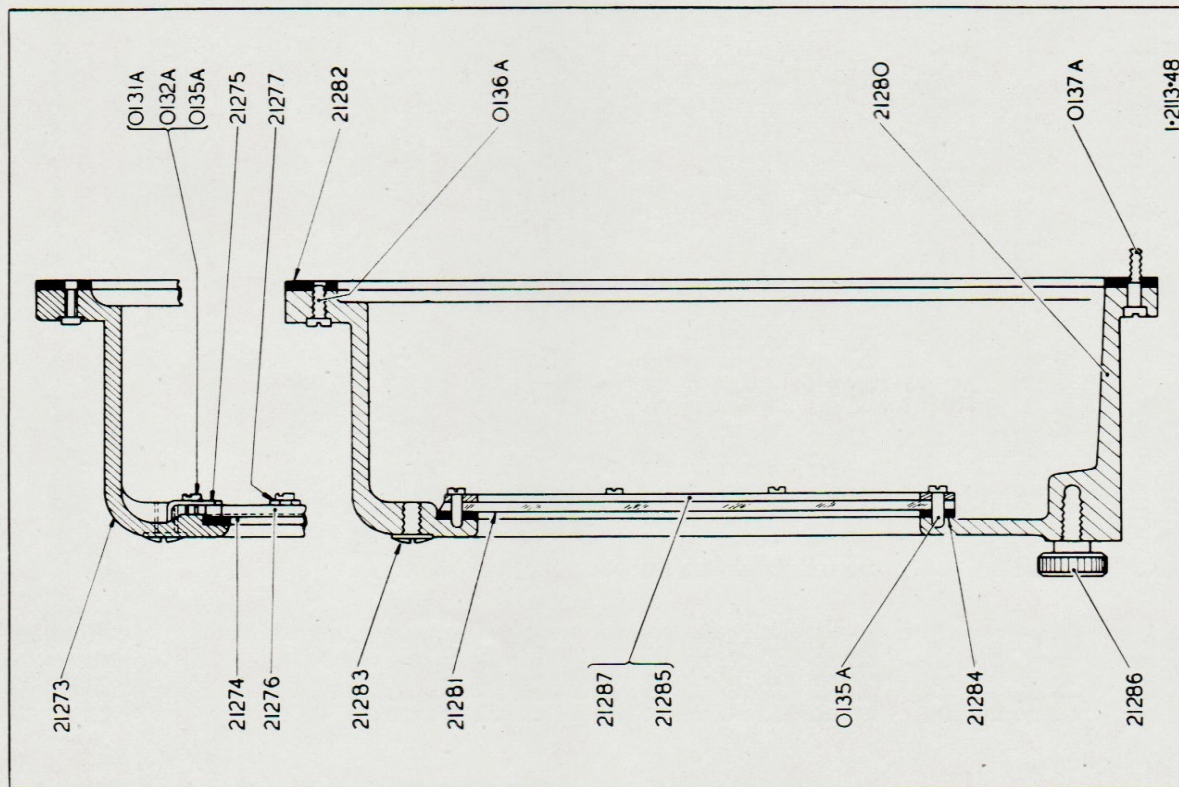
PART No.	DESCRIPTION
21273	Rear Cover
21274	Sealing Washer
21275	Window Clip, Long
21276	Window, Glass
21277	Window Clip

REAR COVER (PERSPEX WINDOW)

PART No.	DESCRIPTION
21280	Rear Cover
21281	Window, Perspex
21282	Oil Seal for Main Frame
21283	Plug Screw
21284	Oil Seal for Window
21285	Strip Washer, Long
21286	Cover Clamp Screw
21287	Strip Washer, Short

WASHERS, PINS AND SCREWS

0131A	Screw fixing	21275
0132A	Nut	21275
	"	{ 21275
0135A	Screw	{ 21277
	"	{ 21281
0136A	Screw fixing plug Rear Cover	
0137A	Screw fixing	21280



The following pages refer
to the
GAUMONT-KALEE
Models "20" and "19" only.

**THE GAUMONT-KALEE "20" PROJECTOR MECHANISM
KEY PLATE FOR THE COMPLETE ASSEMBLY**

WHEN ORDERING SPARE PARTS — ALWAYS STATE THE PART N° & THE PROJECTOR SERIAL N°

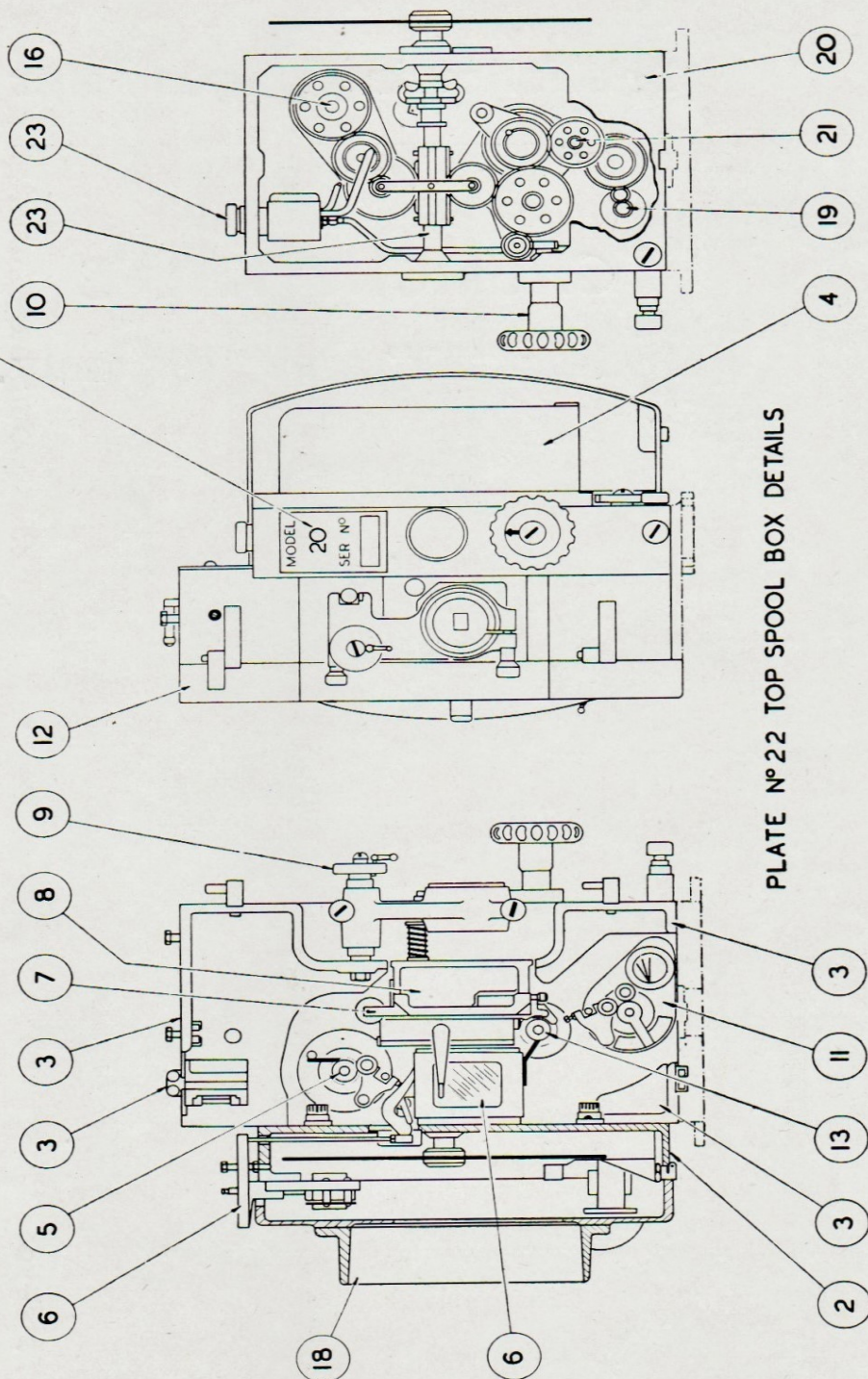


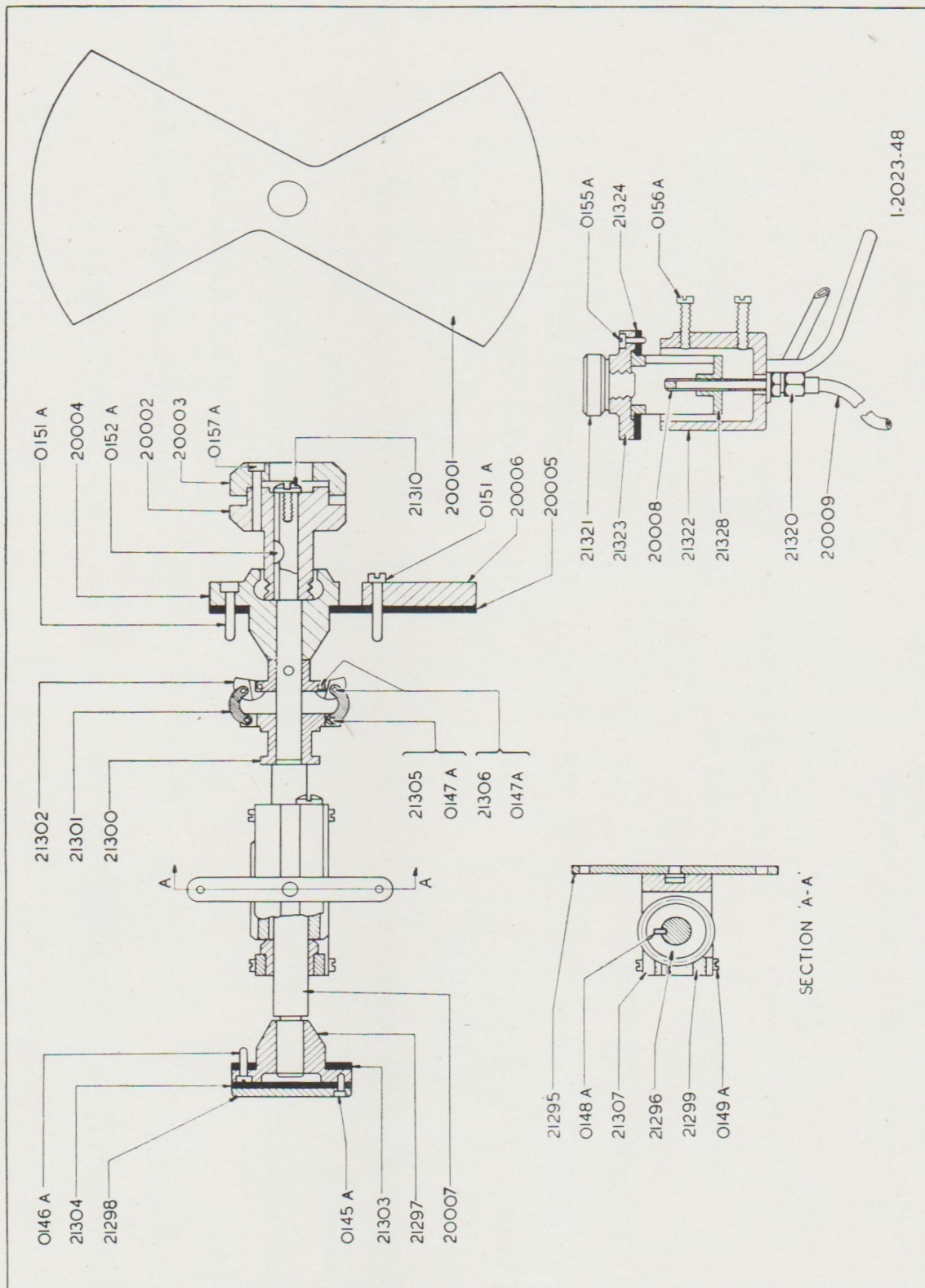
PLATE N°22 TOP SPOOL BOX DETAILS

ENCIRCLED FIGURES REFER TO PLATE N^{os}.

I-2001-48

KEY PLATE No.	DESCRIPTION	PAGE No.	KEY PLATE No.	DESCRIPTION	PAGE No.
2	Shutter Case and Accessories	10	12	Projector Door	25
3	Complete Frame Extension	12	13	Intermittent Unit	25
4	Rear Cover	34	16	Top Gear Yoke	27
5	Top Sprocket Bearing Assembly	14	18	Cone and Shutter Covers	28
6	Light Cone and Shutter Linkage	16	19	Oil Pump	29
7	Gate Assembly	18	20	Main Frame	29
8	Gate Bracket Assembly	20	21	Intermittent Gear Yoke	30
9	Lens Holder	24	22	Top Spool Box Accessories	32
10	Masking Sleeve	24	23	Complete Shutter Shaft and Oil Filter	38
11	Bottom Sprocket, Front Bearing Assembly	22			

Plate No. 23. COMPLETE SHUTTER SHAFT AND OIL FILTER



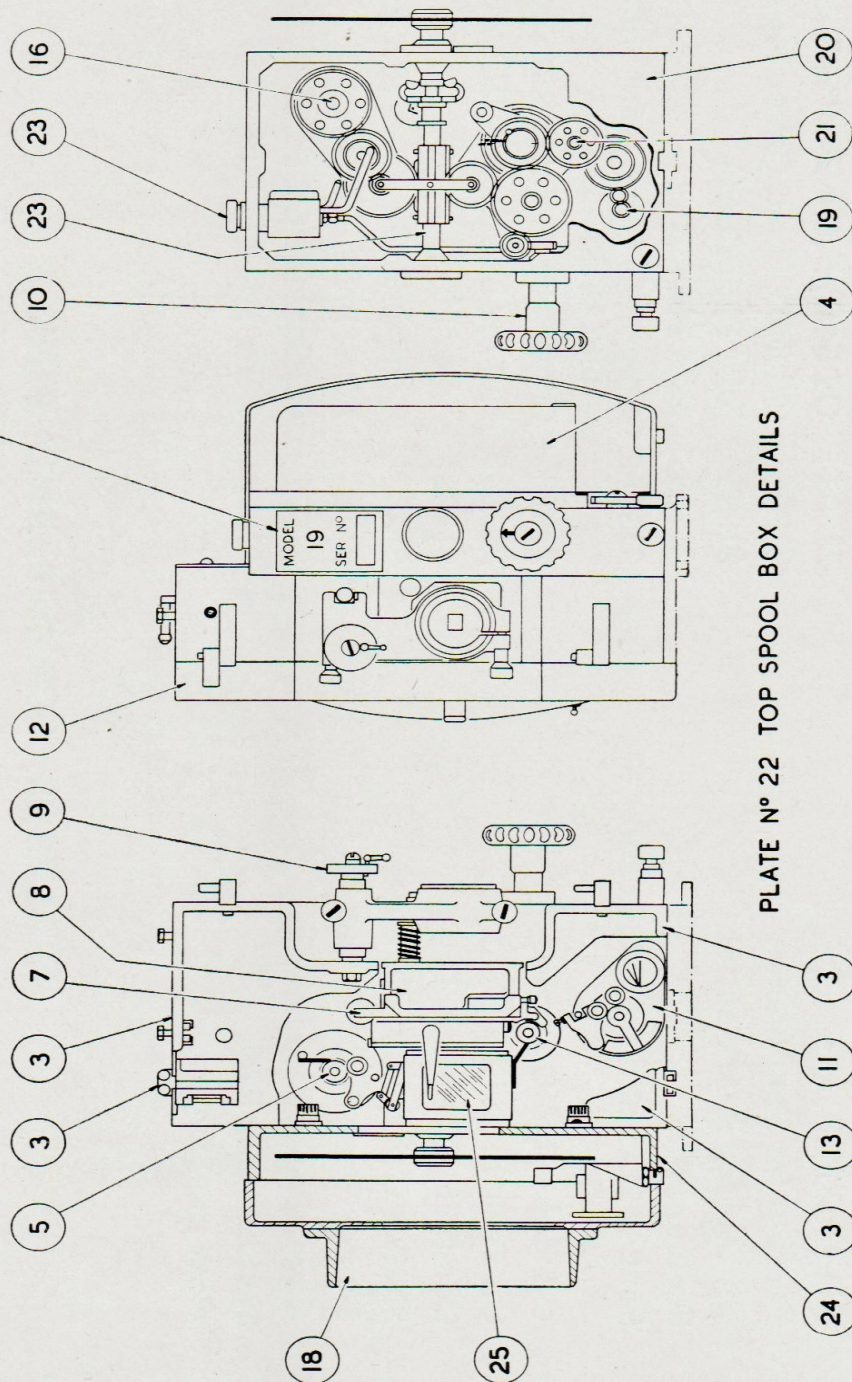
PART No.	DESCRIPTION	PART No.	DESCRIPTION
20001	Shutter Single Speed	21301	Governor Link
20002	Hub for Shutter	21302	Governor Bob
20003	Ring for Hub	21303	Oil Seal, Front Shutter Bearing
20004	Bearing for Rear Shutter	21304	Oil Seal, Front Cover Plate
20005	Oil Seal for Rear Bearing	21305	Joint Pin (Short)
20006	Sealing Plate	21306	Joint Pin (Long)
20007	Shutter Shaft and Governor Body Assembly	21307	Complete Gear Yoke with Bushes and Washers
20008	Oil Sight Pipe Complete	21310	Shutter Shaft Retaining Screw
20009	Oil Feed Pipe Complete	21320	Nut for Lubricator Elbow
21295	Complete Strap and Key	21321	Filler Plug
21296	Shutter Gear, 19 teeth, Steel	21322	Complete Oil Reservoir and Pipes
21297	Shutter Shaft Front Bearing	21323	Filler Plug Adaptor
21298	Cover Plate Front Bearing	21324	Oil Seal for Oil Filler
21299	Shutter Gear Rack	21328	Complete Oil Filter
21300	Governor Sleeve		

WASHERS, SCREWS AND PINS

0145A	Screw fixing	21298	0151A	Screw fixing	20004, 20006
0146A	"	21297	0152A	No. 2 Woodruff Key for 20002,	20007
0147A	Split Pin fixing	21305, 21306	0155A	Screw fixing	21323
0148A	No. 3 Woodruff Key for 21296,	21308	0156A	"	21322
0149A	Screw fixing	21299	0157A	"	20002, 20003

THE GAUMONT-KALEE "19" PROJECTOR MECHANISM KEY PLATE FOR THE COMPLETE ASSEMBLY

WHEN ORDERING SPARE PARTS—ALWAYS STATE THE PART N° & THE PROJECTOR SERIAL N°

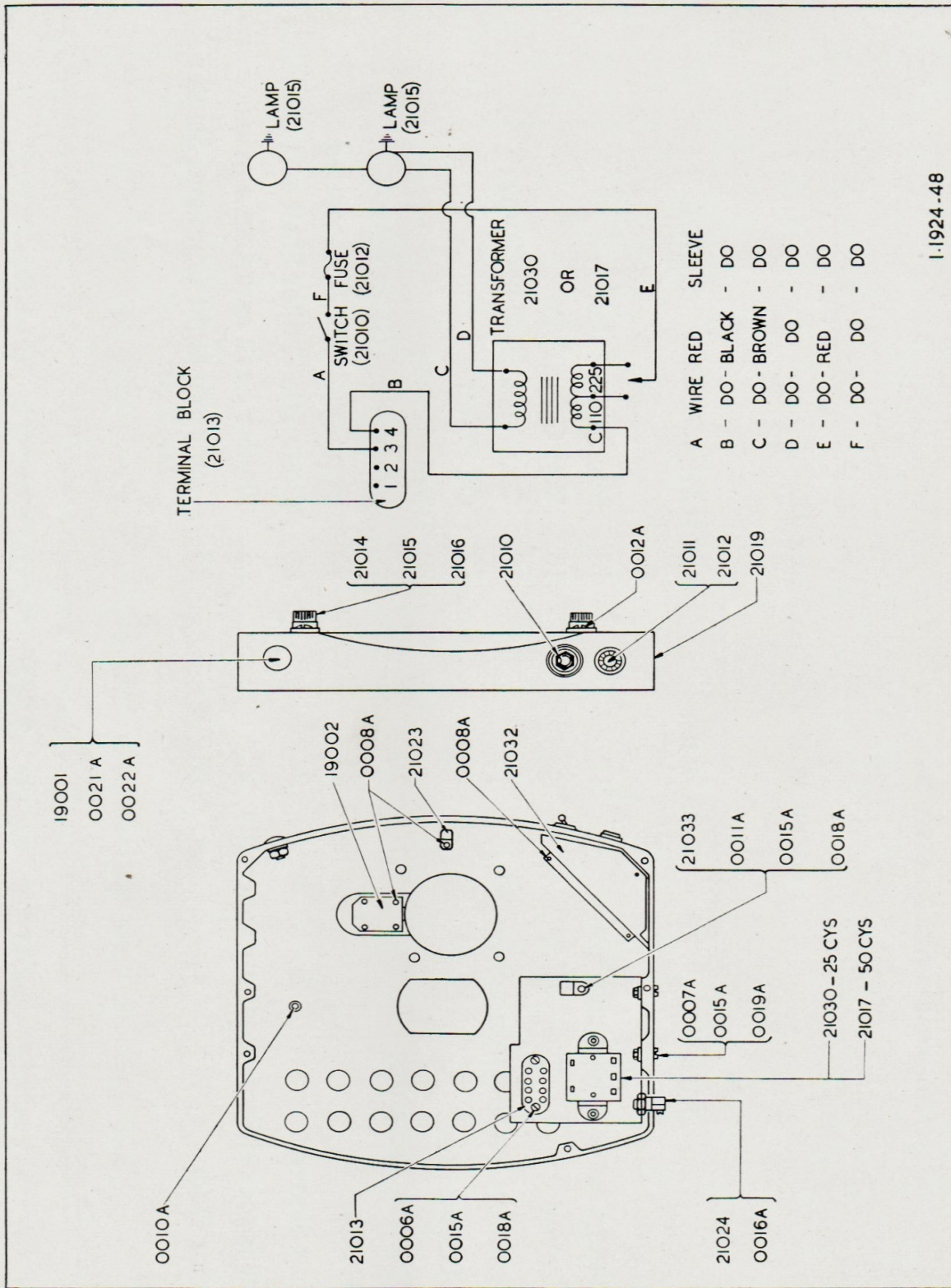


ENCIRCLED FIGURES REFER TO PLATE N°6

1-1900-48

KEY PLATE No.	TITLE	PAGE No.	KEY PLATE No.	TITLE	PAGE No.
3	Complete Frame Extensions	12	13	Intermittent Unit	25
4	Rear Cover	34	16	Top Gear Yoke	27
5	Top Sprocket Bearing Assembly	14	18	Cone and Shutter Covers	28
7	Gate Assembly	18	19	Oil Pump	29
8	Gate Bracket Assembly	20	20	Main Frame	29
9	Lens Holder	24	21	Intermittent Gear Yoke	30
10	Masking Sleeve	24	22	Top Spool Box Accessories	32
11	Bottom Sprocket Front Bearing Assembly	22	23	Complete Shutter Shaft and Oil Filter	38
12	Projector Door	25	24	Shutter Case and Accessories	42
			25	Complete Light Cone and Shutter Linkage	44

Plate No. 24. SHUTTER CASE AND ACCESSORIES GK.19.



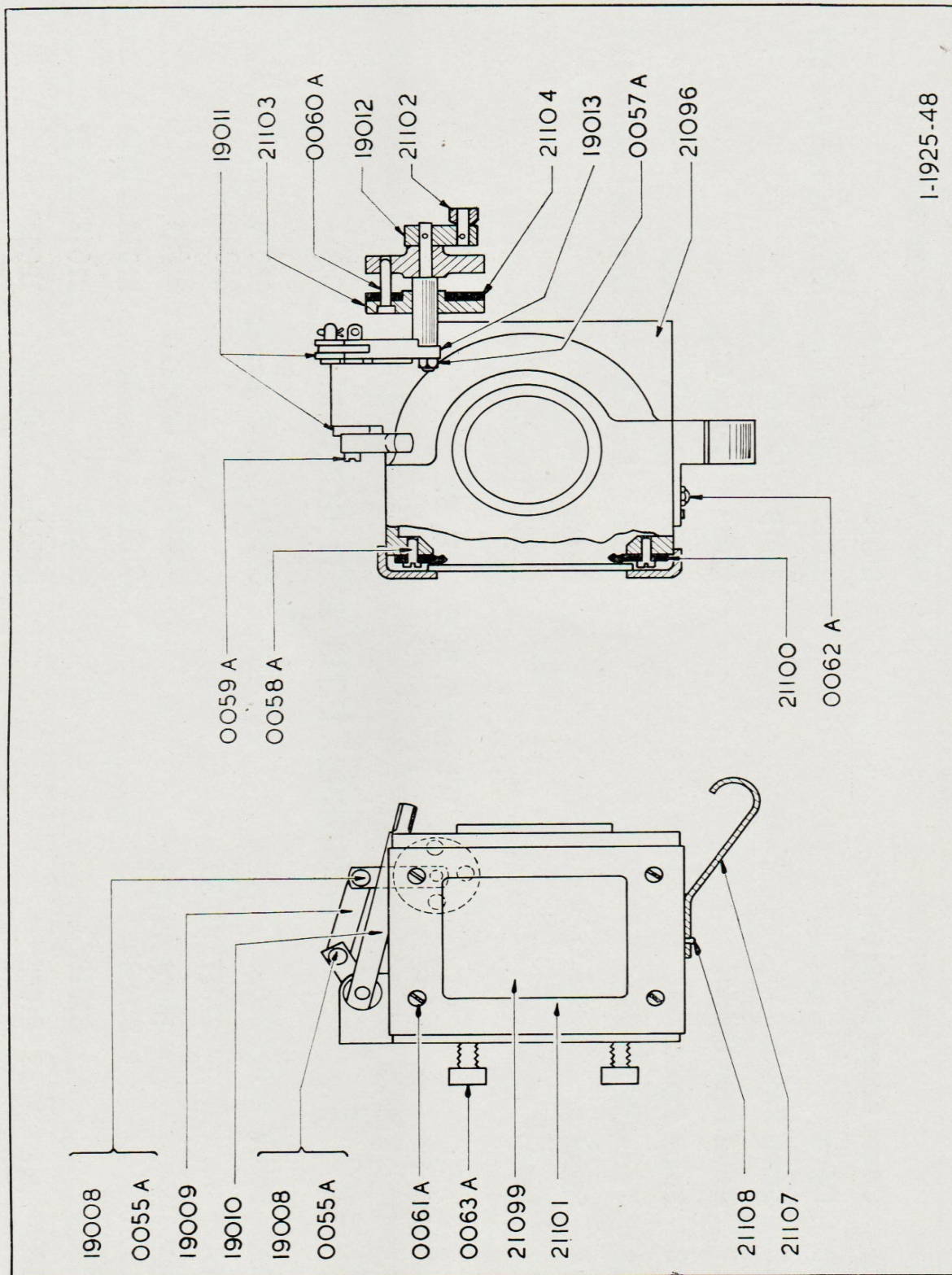
PART No.	DESCRIPTION	PART No.	DESCRIPTION
19001	Cover Screw for 21019	21016	Lampholder
19002	Cover	21017	Transformer 50 cycle and Bracket
21010	Lamp Switch	21019	Shutter Case
21011	Panel Fuse Holder	21023	Cable Clip
21012	Spare Fuses	21024	Socket for Cable
21013	Terminal Block	21030	Transformer 25 cycle and Bracket
21014	Bezel	21032	Wiring Cover
21015	Lamp	21033	Cable Clip

Wiring A, B, C, D, E, F.

WASHERS, PINS AND SCREWS

0006A	Screw fixing 21013	0015A	Nut fixing	21013, 21017, 21030, 21033
0007A	" " 21017, 21030	0016A	" "	21024
0008A	" " 19002, 21023, 21032	0018A	Washer "	21013, 21033
0010A	" " 21019	0019A	" "	21017, 21030
0011A	" " 21033	0021A	Locknut "	19001
0012A	" " 21016	0022A	Washer "	19001

Plate No. 25. COMPLETE LIGHT CONE AND SHUTTER LINKAGE GK.19



PART No.	DESCRIPTION	PART No.	DESCRIPTION
19008	Pin	21100	Clip, Window
19009	Connecting Rod	21101	Cover, Window
19010	Shutter Arm	21102	Governor Spindle Roller
19011	Shutter Spindle and Crank Complete	21103	Governor Spindle Sleeve
19012	Complete Safety Shutter Link	21104	Oil Seal for Shutter Link
19013	Crank, Governor	21107	Intermittent Stripper
21096	Light Cone	21108	Dowel for Stripper
21099	Glass Window		

WASHERS, PINS AND SCREWS

0055A	Split Pin fixing	19008	0060A	Screw fixing	21103
0057A	Nut fixing	19012	0061A	"	21101
0058A	Screw fixing	21100	0062A	"	21107
0059A	"	19010	0063A	"	21096

NOTES

NOTES

NOTES

**Spare
List**

**COMPLETE ADJUSTABLE
FOR
GAUMONT - KALEE
PROJECT**

ISSUED



**G.B.- KALE
MORTIMER
37-41 MORTIMER
LONDON**

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Spare Parts List

COMPLETE ADJUSTABLE GATE ASSEMBLY FOR THE GAUMONT-KALEE GK-21 & GK-20 PROJECTORS

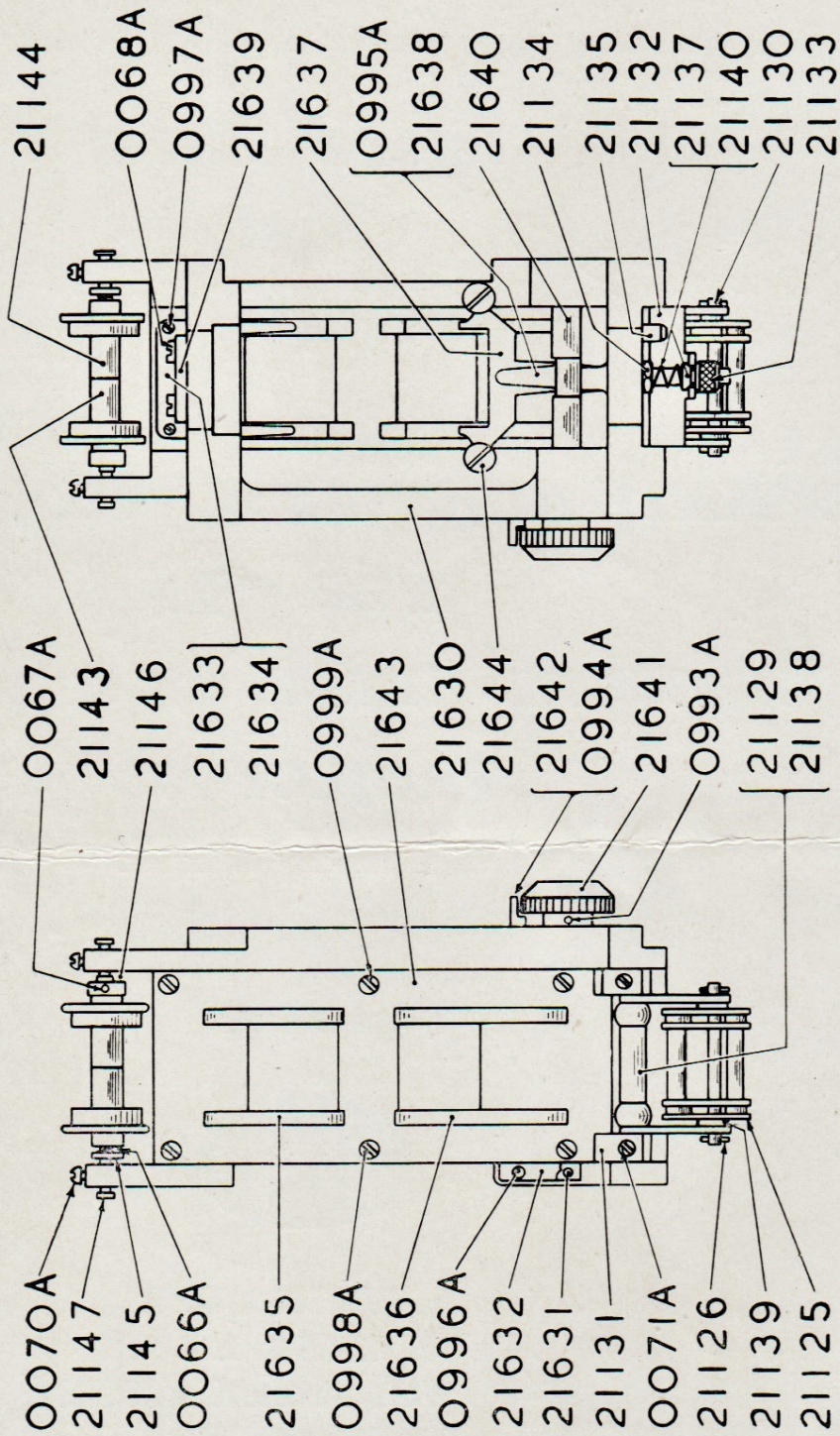
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37-41 MORTIMER STREET
LONDON, W.1**

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Telegrams: GEBKAY LONDON

COMPLETE ADJUSTABLE GATE ASSEMBLY FOR GK-21 & GK-20 PROJECTORS



PART No.	DESCRIPTION	PART No.	DESCRIPTION
21125	Shoe, Complete	21147	Pivot, for Roller Spindle
21126	Pin, Split	21630	Frame, Gate
21129	Roller, Gate	21631	Click, Stop
21130	Spindle, Shoe	21632	Spring, for Click Stop
21131	Clamp, Shoe Spindle	21633	Spring, Spacer
21132	Bracket, Shoe	21634	Spring, Top Gate Tension
21133	Nut, Adjusting, Shoe	21635	Top, Skate
21134	Stud	21636	Lower Skate
21135	Peg. Retaining	21637	Plate, Pressure
21137	Spring	21638	Spring
21138	Spindle, Bracket	21639	Plate, Location
21139	Washer, for Shoe	21640	Roller, Eccentric
21140	Roller, Tension	21641	Knob
21143	Roller, Guide	21642	Pin, Indicator
21144	Roller, Pressure	21643	Gate Plate Complete with Pivot
21145	Spindle, Guide Roller	21644	Stop Screw for Gate
21146	Collar, Guide Roller		

WASHERS, PINS AND SCREWS

0066A	Complete Spring	21144	0994A	Screw, Fixing	21642
0067A	Screw, Fixing	21146	0995A	Screw, Fixing	21638
0068A	Screw, Fixing	21639	0996A	Screw, Fixing	21632
0070A	Screw, Fixing	21147	0997A	Screw, Fixing	21634
0071A	Screw, Fixing	21131	0998A	Screw, Fixing	21630
0993A	Pin, Fixing	21641	0999A	Screw, Fixing	21630

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