

Film-Tech

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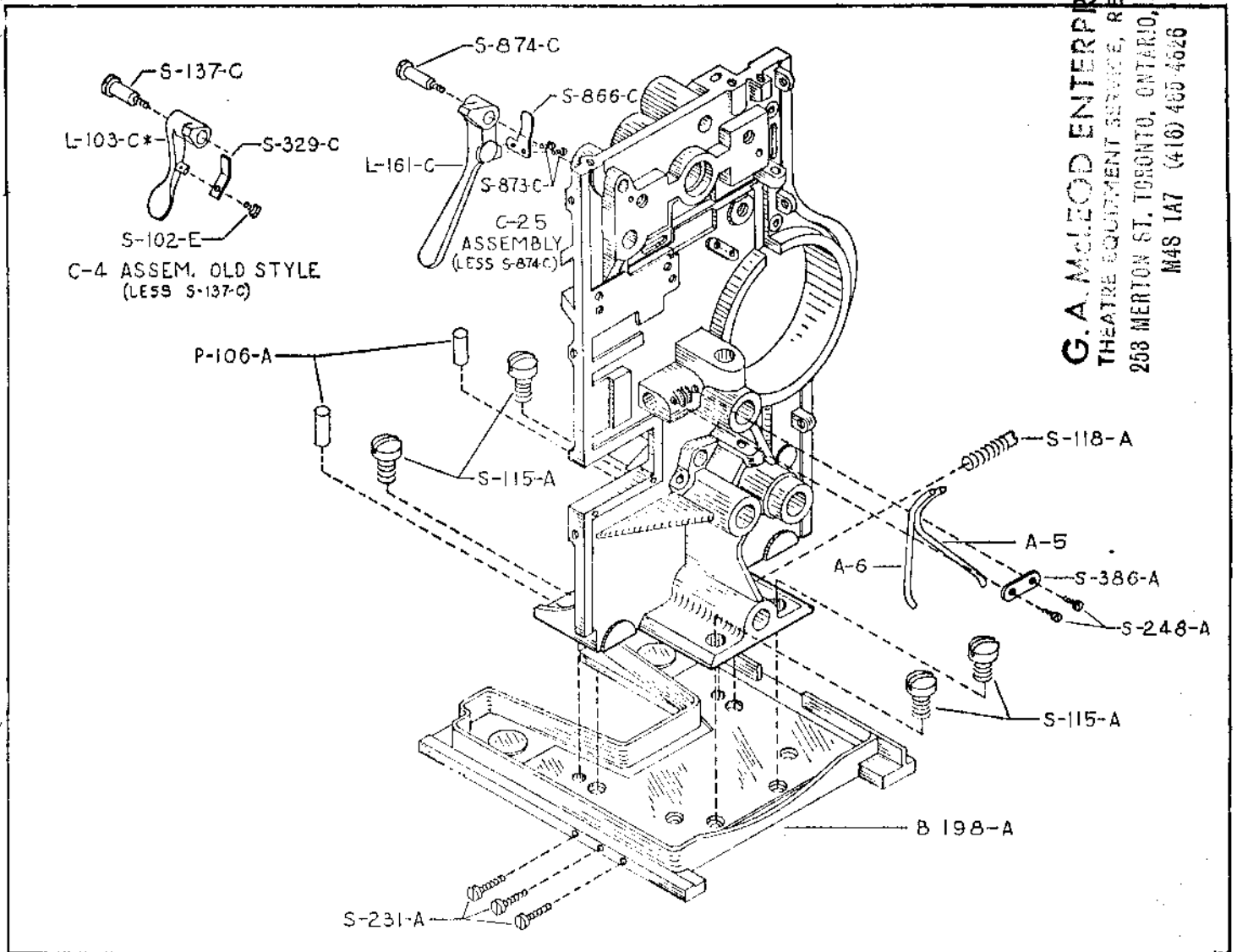
These manuals are designed to facilitate the exchange of information related to cinema projection and film handling, with no warranties nor obligations from the authors, for qualified field service engineers.

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PARTS FOR WENZEL "ACE," SIMPLEX AND KAPLAN PROJECTORS

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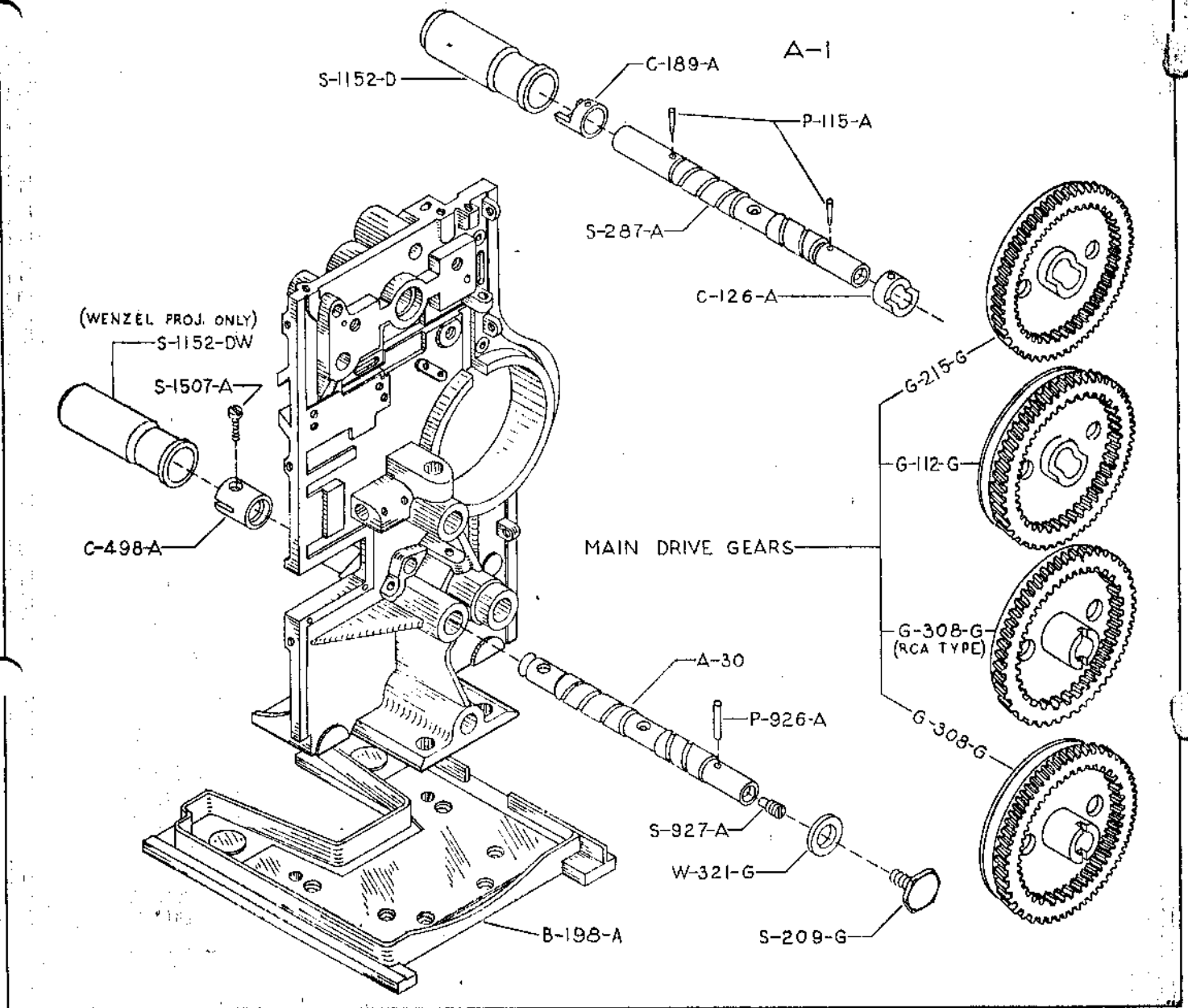


MAIN FRAME AND TRAP DOOR LEVER ASSEMBLY

Number	Description	Number	Description
C-4	FILM TRAP LEVER ASSEMBLY		
S-102-E	Film trap door trip lever spring screw.	A-5	Main drive shaft oil tube
L-103-C	Film trap door trip lever.*	A-6	Lower sprocket shaft oil tube
S-329-C	Film trap door trip lever spring	P-106-A	Base dowel pin
C-25	FILM TRAP LEVER ASSEMBLY (NEW STYLE)	S-115-A	Center frame fastening screws
L-161-C	Film trap door trip lever.*	S-118-A	Motor drive pinion shaft set screw
S-866-C	Film trap door trip lever spring	S-137-C	Film trap door trip lever pivot screw
S-873-C	Film trap door trip lever spring screw (2)	B-198-A	Center frame base
		S-231-A	Base oil drain screws (3)
		S-248-A	Oil tube clamp fastening screws (2)
		S-386-A	Oil tube clamp
		S-874-C	Film trap door trip lever pivot screw

PLEASE ORDER BY NUMBER

*THESE PARTS ARE NOT SOLD SEPARATELY



MAIN DRIVE SHAFTS AND GEARS

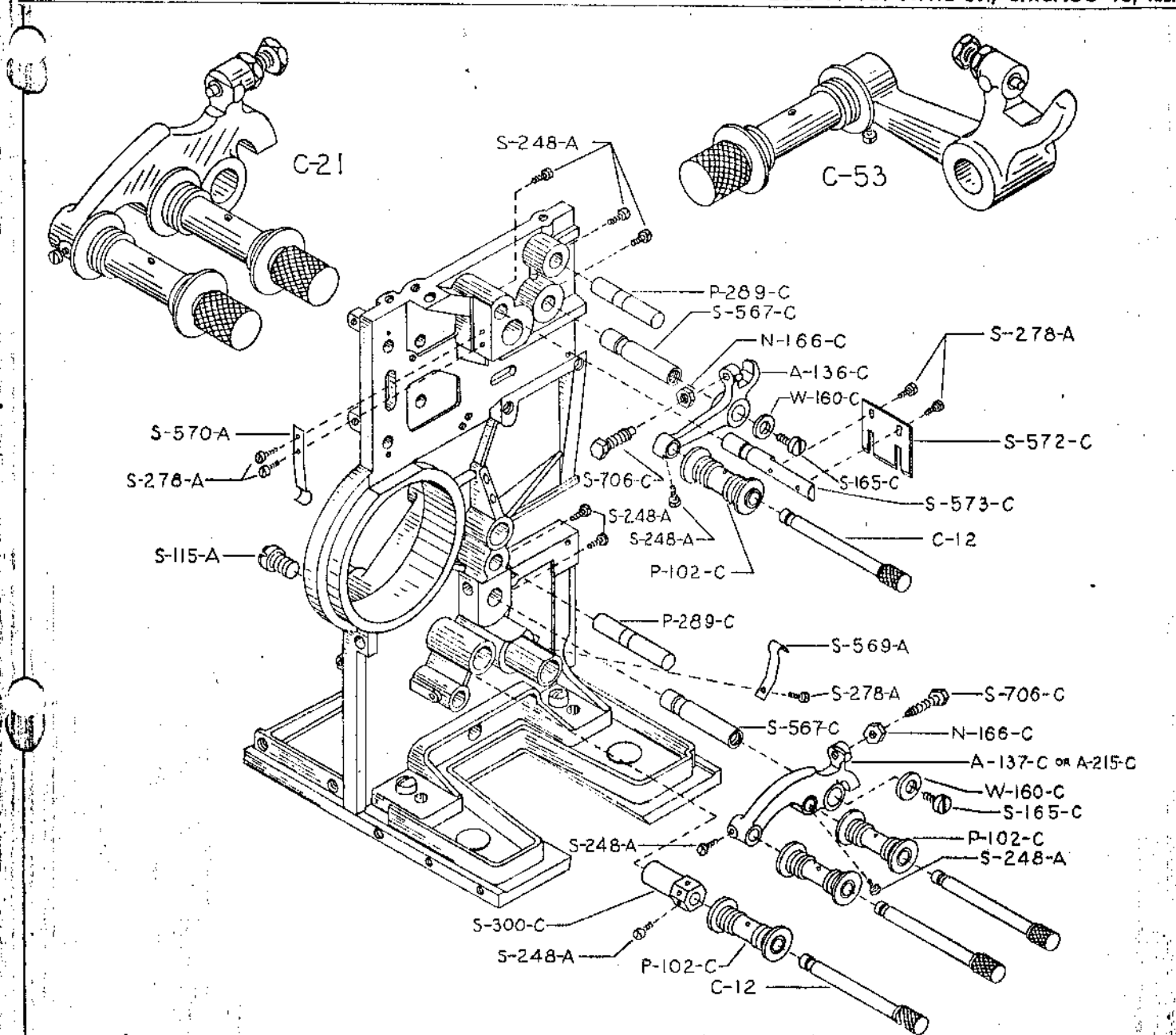
Number	Description
A-1	HANDLE SHAFT AND COLLAR
P-115-A	Handle shaft driving collar pin (2)
C-126-A	Main driving gear clutch
C-189-A	Handle shaft driving collar
S-287-A	Handle shaft
A-30	MAIN DRIVE SHAFT ASSEMBLY
A-30-A	Main drive shaft (only)
W-321-G	Main drive gear washer
C-498-A	Main drive shaft collar
P-926-A	Main gear driving pin
S-927-A	Gear driving pin stop screw
S-1507-A	Main drive shaft collar screw

Number	Description
MAIN DRIVE GEARS	
G-112-G	Main drive gear for A-1 shaft
G-215-G	Main drive gear, (R,C,A, style) for A-1 shaft
G-308-G	Main drive gear for A-30 shaft
G-308-G	(R, C, A, Type) Main drive gear for A-30 shaft

PARTS	
S-209-G	Main drive gear retaining screw
B-198-A	Center frame base
S-1152-D	Main drive shaft oil shield
S-1152-DW	Main drive shaft oil shield (Wenzel Projector only)

PLEASE ORDER BY NUMBER

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PAD ROLLERS, PAD ROLLER ARMS AND ASSOCIATED PARTS

Number	Description
C-12	PAD ROLLER STUD AND KNOB
C-21	LOWER PAD ROLLER ARM COMPLETE
C-12 - C-16	Pad roller stud & knob (2)
P-102-C	Pad roller (2)
A-137-C - A-215-C	Lower pad roller arm
W-160-C	Pad roller arm stud washer
S-165-C	Pad roller arm stud washer screw
N-166-C	Pad roller arm nut
S-248-A	Pad roller stud screw (2)
S-567-C	Pad roller arm stud
S-706-C	Pad roller arm screw
53	UPPER PAD ROLLER ARM COMPLETE
C-12	Pad roller stud and knob
P-102-C	Pad roller
A-136-C	Upper pad roller arm
W-160-C	Pad roller arm stud washer

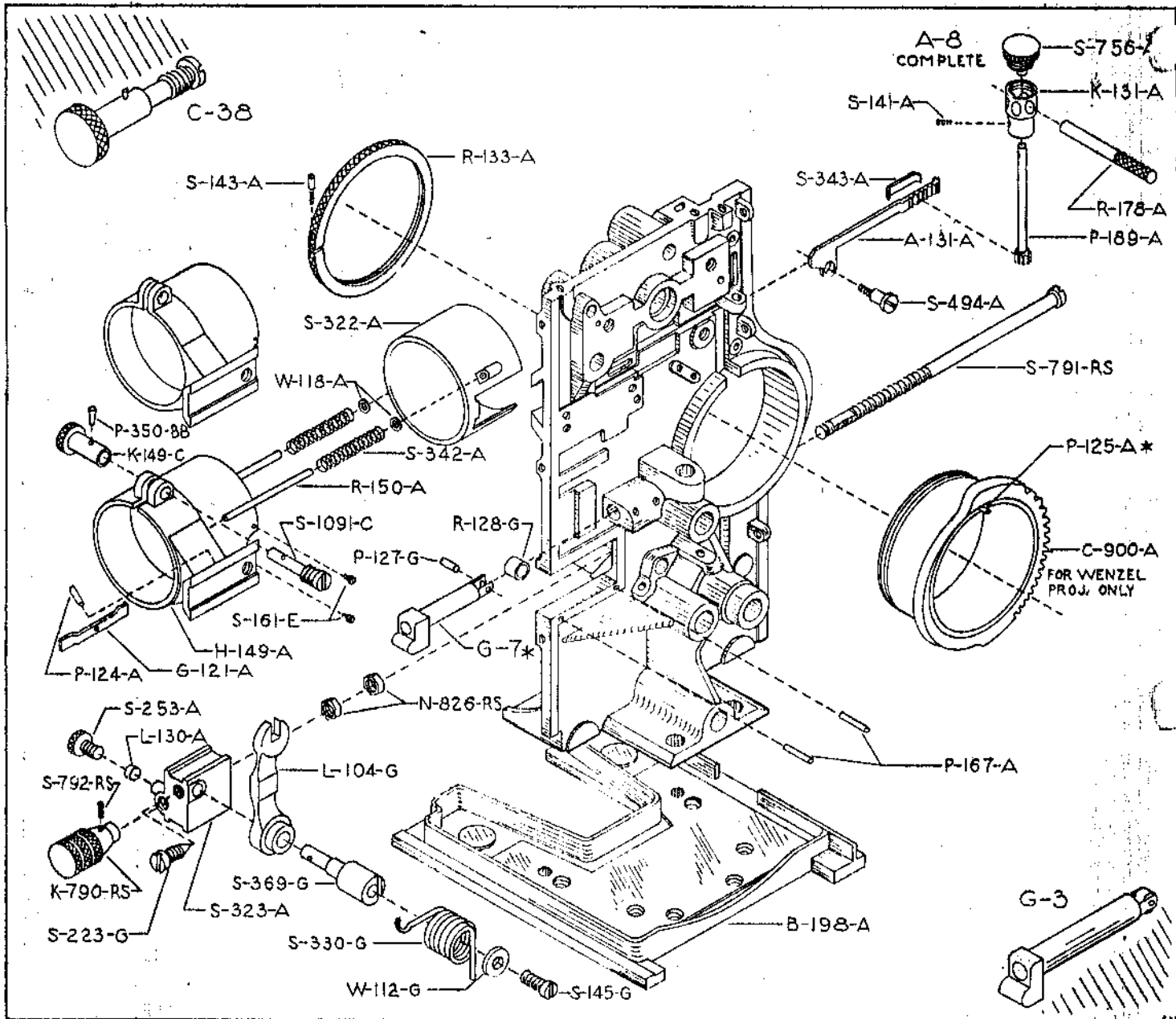
Number	Description
S-165-C	Pad roller arm stud washer screw
N-166-C	Pad roller arm nut
S-248-A	Pad roller stud and knob holding screw
S-567-C	Pad roller arm stud
S-706-C	Pad roller arm screw

PARTS

S-115-A	Movietone stud fastening screw
S-193-C	Sprocket roller arm pivot screw
S-248-A	Stud holding screw
S-278-A	Pad roller arm tension spring fasten'g screw
P-289-C	Roller arm stop pin
S-300-C	Movietone stud
S-569-A	Lower sprocket roller arm spring
S-570-A	Upper sprocket roller arm spring
S-572-C	Upper and lower sprocket film stripper
S-573-C	Upper and lower sprocket film stripper stud

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FRAMING AND FOCUSING DEVICES

Number	Description	Number	Description
G-3	FRAMING SLIDE ASSEMBLY	S-161-E	Projecting lens holder slide stop screw (2)
G-7	Framing arm and shoe assembly *	S-322-A	Projecting lens holder slide
P-127-G	Framing slide arm roller pin	S-342-A	Projecting lens holder slide guide rod spring (2)
R-128-G	Framing slide arm roller	S-494-A	Focusing rack retaining screw
A-4	PROJECTOR LENS HOLDER AND SLIDE	G-7	FRAMING ARM AND SHOE ASSEMBLY *
C-38	Lens holder clamp knob and screw assembly	A-110-G	Framing arm *
W-118-A	Projector lens holder slide guide rod washer (2)	S-312-G	Framing arm shoe *
P-124-A	Focusing gib pin	A-8	FOCUSING PINION KNOB
H-149-A	Projecting lens holder	K-131-A	Focusing pinion knob
R-150-A	Projecting lens holder slide guide rod (2)	S-141-A	Focusing pinion knob set screw
		R-178-A	Focusing pinion rod
		S-756-A	Focusing pinion screw

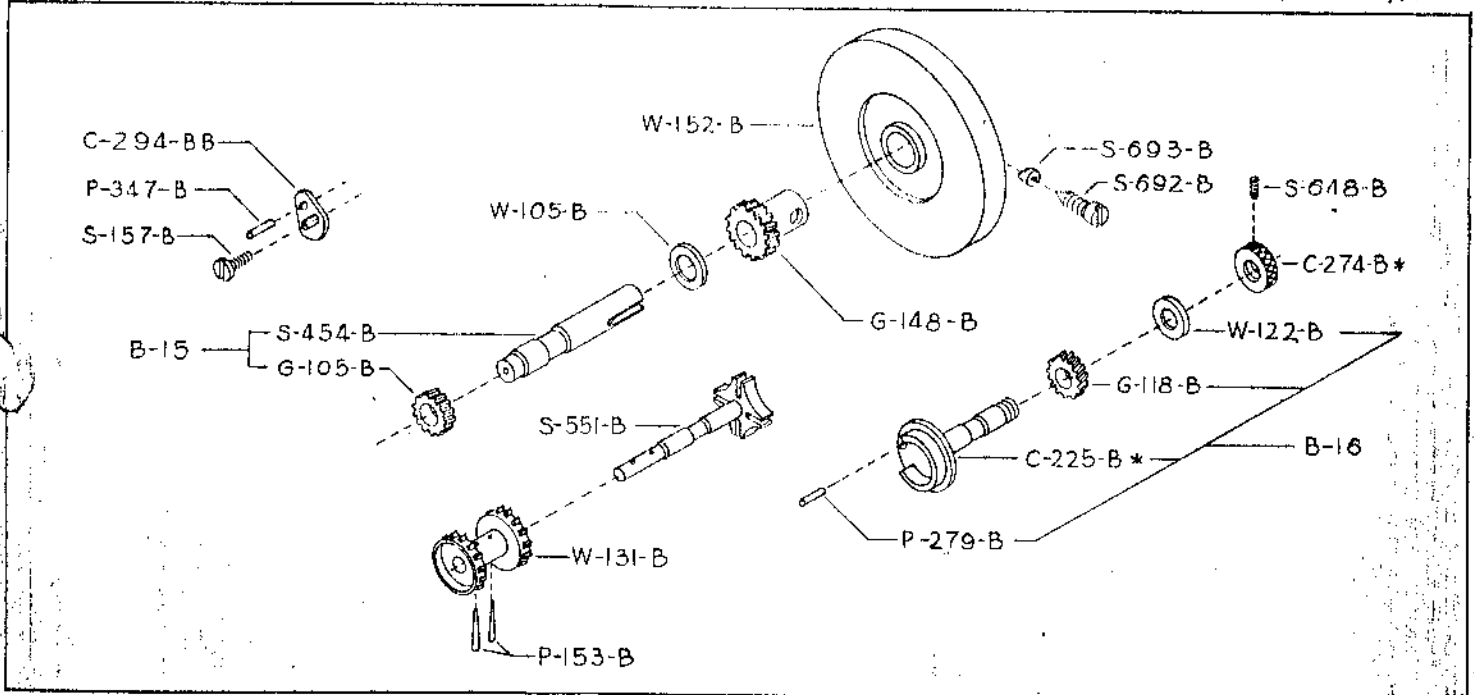
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Number	Description	Number	Description
S-14 SHUTTER ADJUSTING ASSEMBLY		L-130-A	Shutter adjusting slide lock screw brass plug
K-790-RS	Shutter adjusting screw knob	A-131-A	Focusing rack arm
S-791-RS	Shutter adjusting screw	R-133-A	Framing cam adjusting ring
S-792-RS	Shutter adjusting knob set screw	S-143-A	Framing cam adjusting ring screw
N-826-RS	Nut for shutter adjusting screw (2)	S-145-G	Shutter adjusting slide lever stud spring retaining screw
C-38 CLAMP KNOB AND SCREW FOR LENS ALIGNER		HW-149-A	Projecting lens holder for oversize lens
K-149-C	Clamp knob	P-167-A	Shutter adjusting slide stop pin (2)
P-350-BB	Clamp knob pin	P-189-A	Focusing pinion
S-1091-C	Clamp knob screw	B-198-A	Center frame base
		S-223-G	Shutter adjusting slide lever stud set screw
		S-253-A	Shutter adjusting slide lock screw
		S-323-A	Shutter adjusting slide
		S-330-G	Shutter adjusting slide lever spring
		S-343-A	Rack arm friction spring
		S-369-G	Shutter adjusting lever stud
		C-900-A	Framing cam (for Wenzel Projector only)

PARTS

L-104-G	Shutter adjusting slide lever
W-112-G	Shutter adjusting slide lever retaining spring washer
G-121-A	Focusing slide gib
P-125-A	Framing cam locating pin *

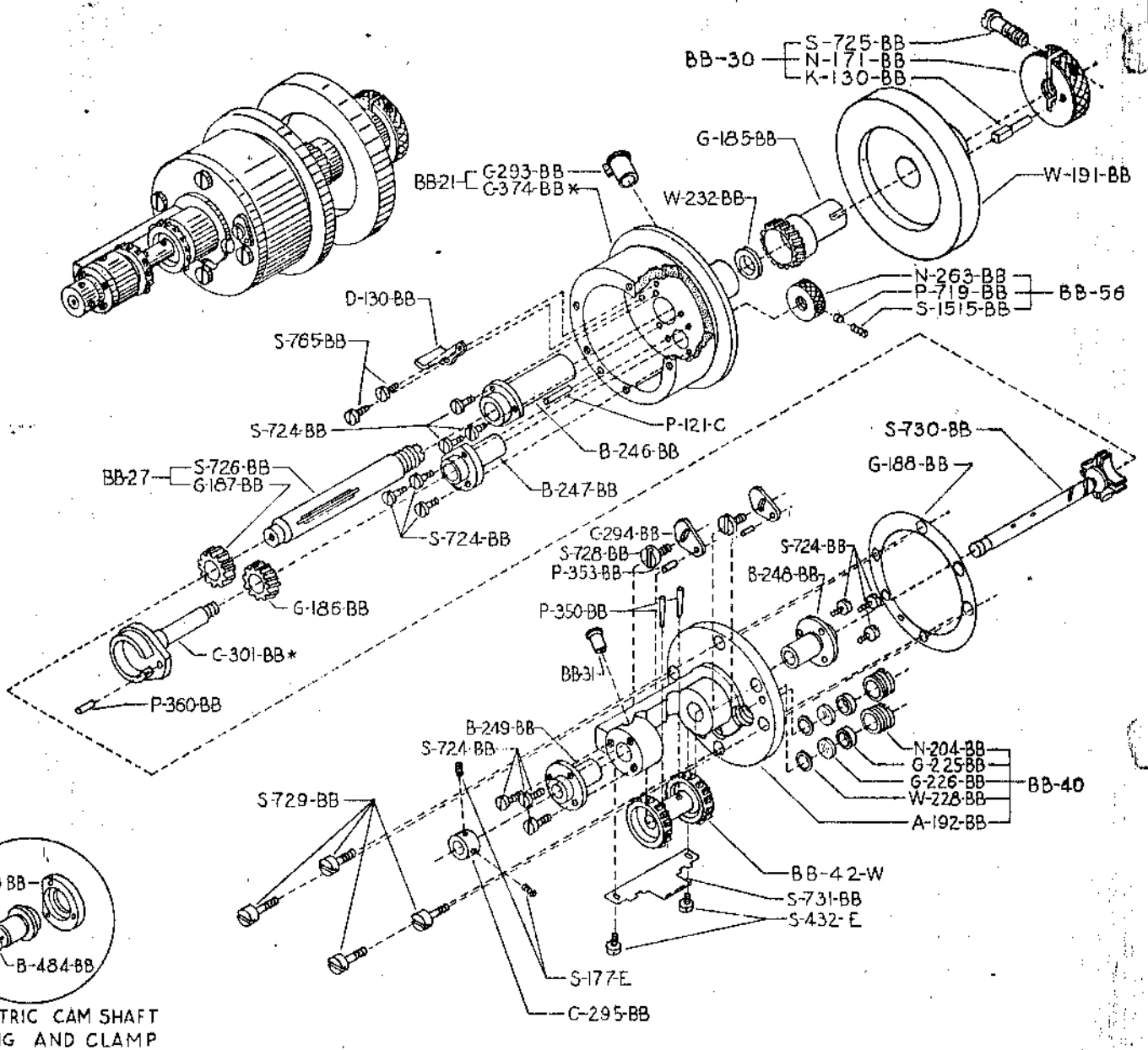


SINGLE BEARING INTERMITTENT PARTS

Number	Description	Number	Description
B-11 STAR WHEEL AND INTERMITTENT SPROCKET		B-16 STAR WHEEL CAM ASSEMBLY COMPLETE	
W-131-B	Intermittent sprocket hardened	B-19	Cam shaft collar and screw
P-153-B	Intermittent sprocket taper pin (2)	G-118-B	Star wheel cam gear
S-551-B	Star wheel and shaft	W-122-B	Star wheel cam washer
B-14 FLYWHEEL AND GEAR ASSEMBLY		C-225-B	Star wheel cam *
G-148-B	Flywheel gear (includes S-692-B and S-693-B)	P-279-B	Star wheel cam pin
W-152-B	Flywheel	B-19 CAM SHAFT COLLAR AND SCREW	
S-692-B	Flywheel set screw (new style)	C-274-B	Cam collar *
S-693-B	Flywheel set screw shoe	S-648-B	Cam collar shaft screw
B-15 FLYWHEEL SHAFT AND GEAR ASSEMBLY			
G-105-B	Flywheel shaft gear		
S-454-B	Flywheel shaft		
		PARTS	
		W-105-B	Flywheel washer
		S-125-B	Eccentric bushing screw (2)
		S-157-B	Intermittent case cover lock screw (2)
		C-294-BB	Intermittent case cover clamp (2)
		P-347-B	Intermittent case cover pin (2)

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**DOUBLE BEARING INTERMITTENT MOVEMENTS FOR
"ACE" SIMPLEX AND KAPLAN PROJECTORS**

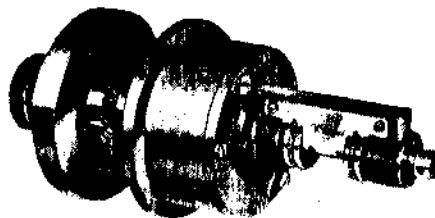
Number	Description	Number	Description
"BB" DOUBLE BEARING INTERMITTENT MOVEMENT COMPLETE, "BB" ASSEMBLIES		B-249-BB	Star wheel shaft outer bearing (oilite)
BB-21 INTERMITTENT CASE ASSEMBLY		C-295-BB	Star wheel shaft collar
P-121-C	Intermittent adjusting pivot	P-353-BB	Case retaining clamp pivot (2)
C-293-BB	Intermittent oil cup	S-432-E	Stripper screw (2)
C-374-BB	Intermittent case *	S-724-BB	Bearing screw (6)
BB-22 INTERMITTENT CASE COVER AND BEARING ASSEMBLY		S-731-BB	Intermittent film stripper
BB-40	Oil tight cover assembly	BB-26 STAR WHEEL SHAFT AND SPROCKET ASSEMBLY	
S-177-E	Collar set screw (2)	BB-42-W	Intermittent sprocket hardened and ground
B-248-BB	Star wheel shaft inner bearing	P-350-BB	Intermittent sprocket pin (2)
		S-730-BB	Star wheel and shaft

PLEASE ORDER BY NUMBER

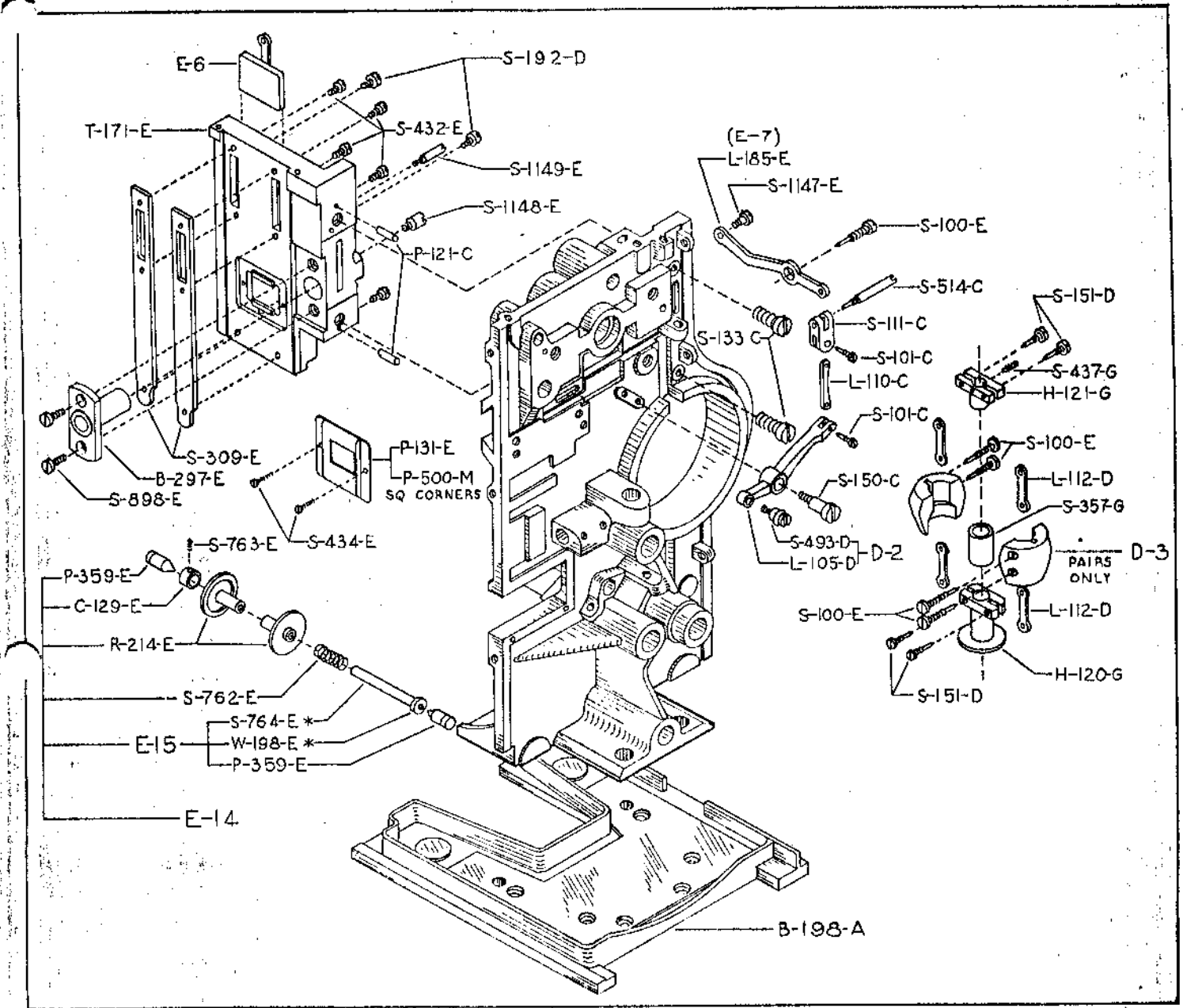
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DOUBLE BEARING INTERMITTENT MOVEMENTS FOR "ACE" SIMPLEX AND KAPLAN PROJECTORS

Number	Description	Number	Description
BB-27	FLY WHEEL SHAFT AND GEAR ASSEMBLY	BB-52	INTERMITTENT CASE COVER AND BEARINGS (includes BB-40)
	G-187-BB Fly wheel shaft gear	B-323-BB	Star wheel shaft inner bearing
	S-726-BB Fly wheel shaft	B-482-BB	Star wheel shaft outer bearing
BB-28	FLY WHEEL AND GEAR ASSEMBLY	C-295-BB	Star wheel shaft collar
	G-185-BB Fly wheel gear	S-177-E	Collar set screw (2)
	W-191-BB Fly wheel	S-432-E	Stripper screw (2)
BB-29	FLY WHEEL LOCK NUT AND SCREW	S-724-BB	Bearing screw (6)
	N-171-BB Fly wheel lock nut	S-731-BB	Film Stripper
	S-725-BB Fly wheel lock nut screw		
BB-30	FLY WHEEL LOCK NUT ASSEMBLY	BB-56	CAM SHAFT ADJUSTING NUT ASSEMBLY
	BB-29 Fly wheel lock nut and screw	N-263-BB	Cam retaining lock nut
	K-130-BB Fly wheel lock key	P-719-BB	Cam retaining nut stop lock
		S-1515-BB	Cam retaining nut lock screw
BB-31	OUTER BEARING OIL CUP COMPLETE		
BB-38	INTERMITTENT CAM ASSEMBLY		"BB" PARTS
	BB-56 Cam shaft adjusting nut assembly	W-227-BB	Oil retaining washer
	G-186-BB Cam gear	D-130-BB	Oil deflector
	C-301-BB Intermittent cam *	G-188-BB	Oil gasket
	P-360-BB Cam pin	G-241-BB	Case cover glass (old style)
BB-40	OIL TIGHT COVER ASSEMBLY	B-246-BB	Fly wheel shaft bearing
	BB-31 Outer bearing oil cup complete	B-247-BB	Cam shaft bearing
	A-192-BB Case cover and bearing arm	C-294-BB	Case retaining clamp (2)
	N-204-BB Oil sight nut (2)	B-484-BB	Cam shaft bearing with C-483-BB clamp
	G-225-BB Case cover glass gasket (2)	S-724-BB	Bearing screw
	G-226-BB Oil sight glass (2)	S-728-BB	Case clamp screw (2)
	W-228-BB Oil sight washer (2)	S-729-BB	Case cover screw (4)
	W-232-BB Fly wheel gear oil retaining washer	S-765-BB	Oil deflector screw (2)



"BB" INTERMITTENT



FILM TRAP ASSEMBLY AND AUTOMATIC FIRE SHUTTER DEVICES

"E" FILM TRAP ASSEMBLY COMPLETE (includes E-2 & E-10)

"EW" FILM TRAP ASSEMBLY COMPLETE, SLIP-IN TYPE (includes EW-2 & EW-10)

Number	Description	Number	Description
E-6	Automatic fire shutter assembly	S-309-E	Film trap shoe (2)
E-7	Automatic fire shutter lift lever	B-297-E	Film trap bushing
E-8	Automatic fire shutter and lever assembly	S-432-E	Film trap shoe screw (6)
E-14	Lateral guide roller assembly	S-898-E	Film trap bushing fastening screw (2)
171-E	Cast iron film trap for stationary plate and bushing assembly	S-1148-E	Automatic fire shutter stop screw
S-192-D	Lateral guide roller pivot retaining screw (2)	S-1149-E	Automatic fire shutter lift lever stop screw

PLEASE ORDER BY NUMBER

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FILM TRAP ASSEMBLY AND AUTOMATIC FIRE SHUTTER DEVICES

Number	Description
E-6	AUTOMATIC FIRE SHUTTER ASSEMBLY
E-7	AUTOMATIC FIRE SHUTTER LIFT LEVER
E-8	AUTOMATIC FIRE SHUTTER AND LEVER ASSEMBLY
E-6	Automatic fire shutter assembly
L-185-E	Automatic fire shutter lift lever
S-1147-E	Automatic fire shutter lift link retaining screw
E-14	LATERAL GUIDE ROLLER ASSEMBLY
E-15	Lateral guide roller shaft and washer assembly
C-129-E	Lateral guide roller shaft collar
R-214-E	Lateral guide roller (2)
S-762-E	Guide roller spring
S-763-E	Lateral guide roller shaft collar screw
E-15	LATERAL GUIDE ROLLER SHAFT AND WASHER ASSEMBLY
W-198-E	Guide roller spring retaining washer *
P-359-E	Guide roller pivot (2)
S-764-E	Lateral guide roller shaft *
T-172-E	CAST IRON FILM TRAP FOR SLIDE IN TYPE ASSEMBLY
T-171-E	CAST IRON FILM TRAP FOR STATIONARY PLATE AND BUSHING ASSEMBLY
S-100-E	Automatic fire shutter lift lever pivot screw
L-185-E	Automatic fire shutter lift lever
B-297-E	Film trap bushing
S-898-E	Film trap bushing fastening screw (2)

Number	Description
PARTS	
P-121-C	Film trap locating pin (2)
P-131-E	Aperture plate for (E-16 trap)
S-133-C	Film trap fastening screw (2)
S-434-E	Aperture plate retaining screw (2)
P-500-M	Aperture plate

AUTOMATIC FIRE SHUTTER DEVICES

D-2	GOVERNOR LIFT LEVER ASSEMBLY
L-105-D	Governor lift lever
S-493-D	Governor lift lever screw
D-3	GOVERNOR WEIGHT AND LINKS ASSEMBLY (In Pairs Only)
S-100-E	Governor weight link screw (4)
L-112-D	Governor weight link (2)
W-126-D	Governor weights (sold in matched pairs only) *
C-9	GOVERNOR LIFT LEVER LINK ASSEMBLY
L-110-C	Governor lift lever link
L-111-C	Governor lift lever connecting link
S-101-C	Governor lift lever connecting link screw

PARTS

H-120-G	Governor lower link holder (specify hardened or soft)
H-121-G	Governor upper link holder
S-150-C	Governor lift lever pivot screw
S-151-D	Governor link holder screw (4)
B-198-A	Center frame base
S-357-G	Governor weight stop
S-437-G	Upper governor link holder set screw
S-514-C	Automatic fire shutter lifting stud

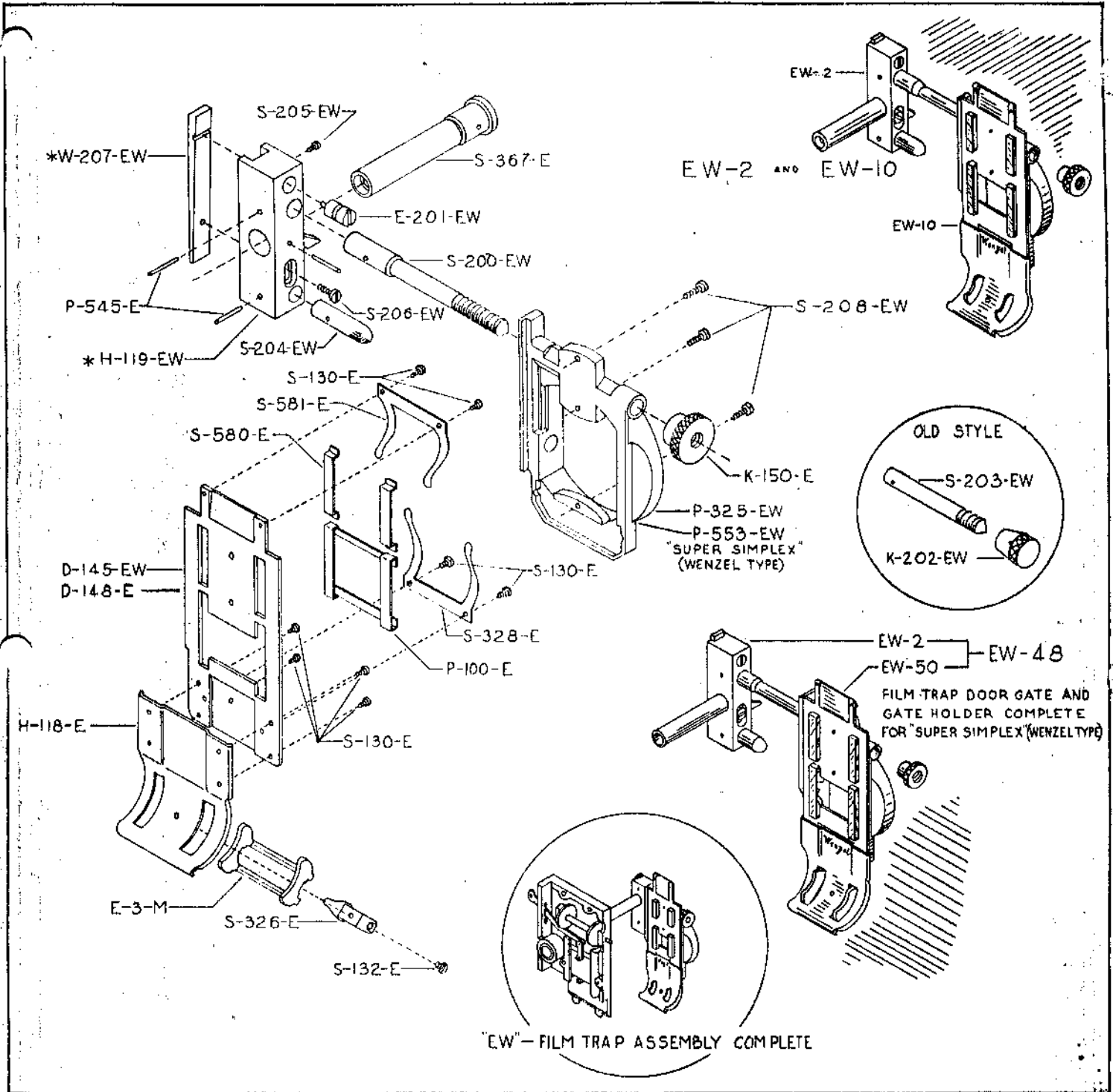
PARTS

L-101-E	Automatic fire shutter lift lever *
T-101-E	Film trap door thimble
S-134-E	Film trap door holding screw
S-310-E	Film trap door shoe left (old style trap gate)
S-311-E	Film trap door shoe left (old style trap gate)
S-327-E	Door holder spring
S-792-D	Fire shutter stop screw
S-787-D	Thumb plate screw

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WENZEL FILM TRAP DOOR AND DOOR HOLDER ASSEMBLY
 "EW" WENZEL SLIP IN TYPE TRAP AND GATE ASSEMBLY
 "EW" SUB-ASSEMBLIES

Number	Description
EW-2	DOOR HOLDER ASSEMBLY
H-119-EW	Door holder *
E-201-EW	Eccentric for wedge assembly
K-150-E	Knob for upper gate stud
S-200-EW	Upper stud for gate
S-204-EW	Lower stud for gate

Number	Description
S-205-EW	Screw to lock eccentric
S-206-EW	Screw to lock wedge
W-207-EW	Wedge for door holder adjustment *
S-367-E	Door holder stud
P-545-E	Stud pin (3)

PLEASE ORDER BY NUMBER

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WENZEL FILM TRAP DOOR AND DOOR HOLDER ASSEMBLY

Number	Description
EW-10	DOUBLE TENSION SLIP IN TYPE FILM TRAP DOOR ASSEMBLY
E-3-M	Film guide (one piece) or E-3 (specify)
P-100-E	Film trap door pad
H-118-E	Film guide holder
S-130-E	Film guide holder screw (8)
S-132-E	Film guide spring fastening screw
D-148-E	} Film trap door
D-145-EW	
S-208-EW	Film protector screw (3)
P-325-EW	Film protector
S-326-E	Film guide retaining spring
S-328-E	Film trap door pad spring
S-580-E	Double tension film trap door shoe (2)
S-581-E	Double tension film trap door shoe spring

EW-48 SLIP IN TYPE FILM TRAP DOOR GATE AND GATE HOLDER COMPLETE FOR SUPER SIMPLEX (WENZEL TYPE)

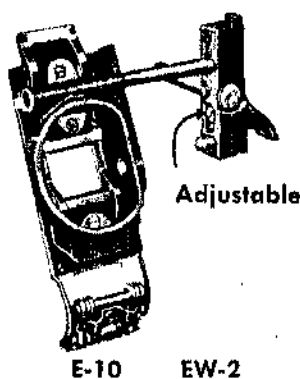
EW-2 DOOR HOLDER ASSEMBLY

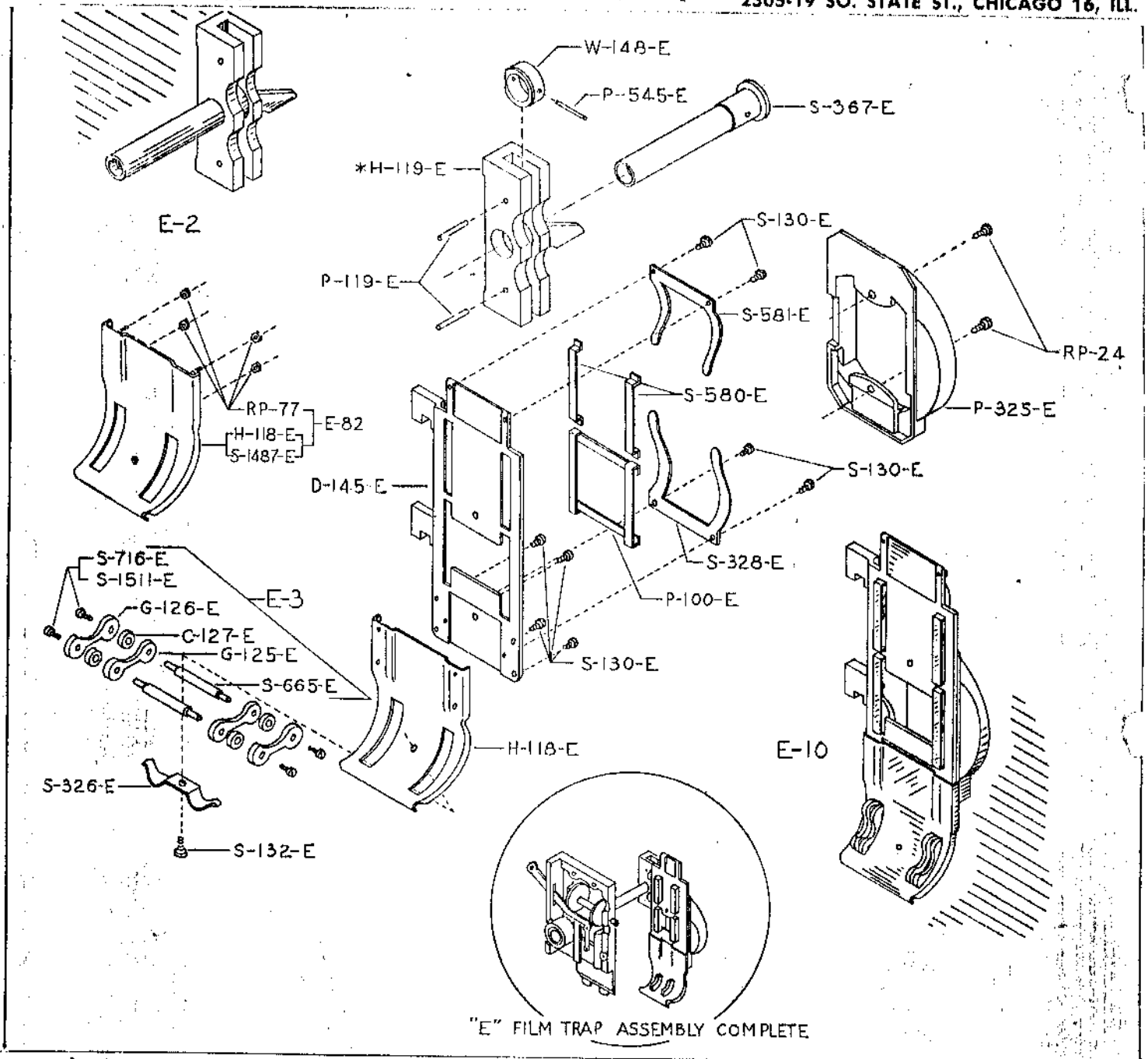
H-119-EW	Door holder *
E-201-EW	Eccentric for wedge assembly

Number	Description
K-150-E	Knob for upper gate stud
S-200-EW	Upper stud for gate
S-204-EW	Lower stud for gate
S-205-EW	Screw to lock eccentric
S-206-EW	Screw to lock wedge
W-207-EW	Wedge for door holder adjustment *
S-367-E	Door holder stud
P-545-E	Stud pin (3)

EW-50 DOUBLE TENSION SLIP IN TYPE FILM TRAP DOOR ASSEMBLY

E-3-M	Film guide or E-3 (specify)
P-100-E	Film trap door pad
H-118-E	Film guide holder
S-130-E	Film guide holder screw (8)
S-132-E	Film guide spring fastening screw
D-148-E	Film trap door
S-208-EW	Film protector screw (3)
P-553-EW	Film protector
S-326-E	Film guide retaining spring
S-328-E	Film trap door pad spring
S-580-E	Double tension film trap door shoe (2)
S-581-E	Double tension film trap door shoe spring





"E" FILM TRAP ASSEMBLY COMPLETE

FILM TRAP DOOR ASSEMBLY AND TRAP DOOR HOLDER ASSEMBLY

"E" FILM TRAP ASSEMBLY COMPLETE INCLUDES E-2 AND E-10

E-2 FILM TRAP DOOR HOLDER AND STUD ASSEMBLY

- H-119-E Door holder *
- P-119-E Door holder pin (2)
- W-148-E Film trap door holder stud spacer
- S-367-E Film trap door holder stud
- P-545-E Film trap door holder stud retaining pin

E-3 INTERMITTENT FILM GUIDE ASSEMBLY

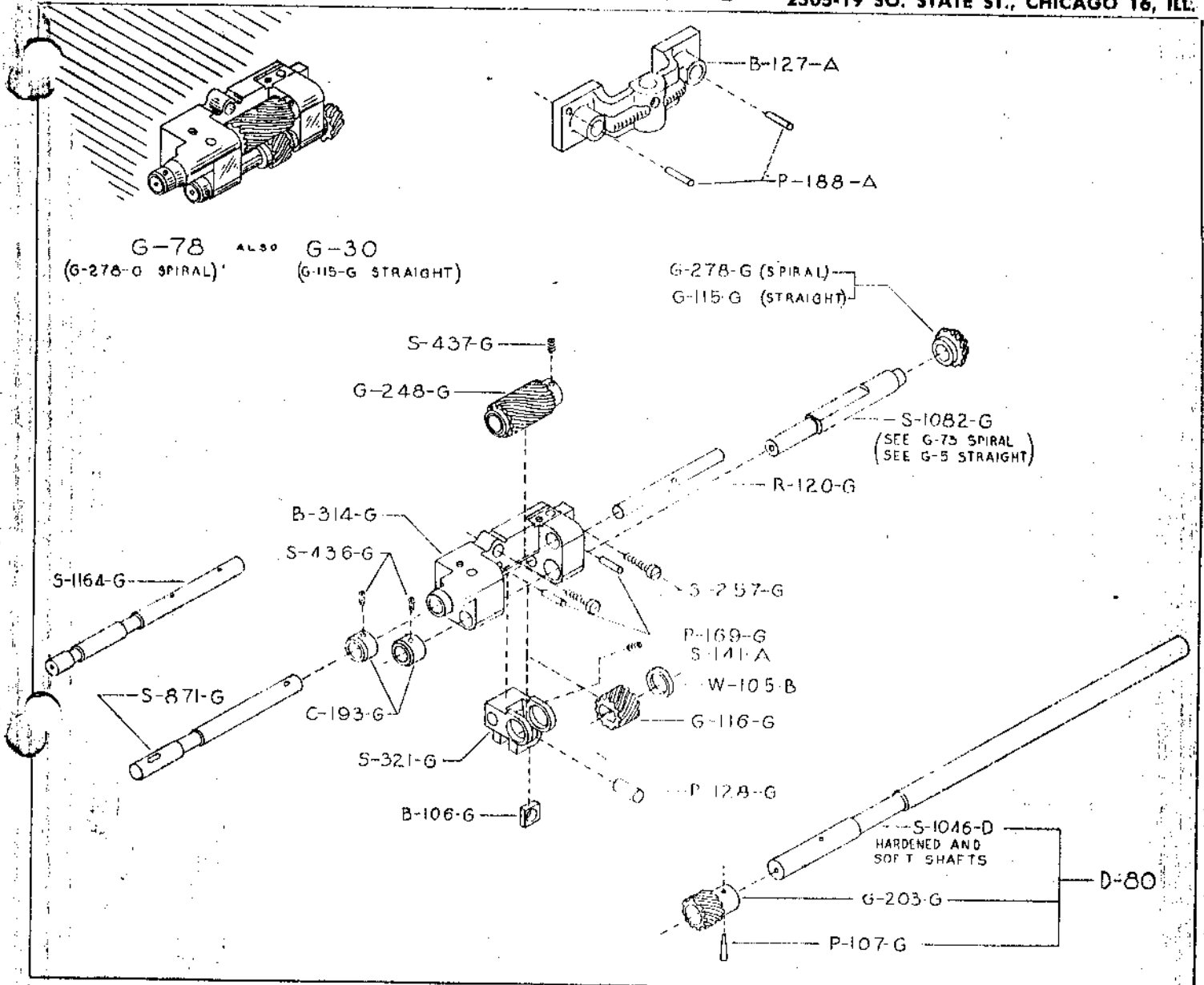
- G-125-E Intermittent film guide (inside) (2)
- G-126-E Intermittent film guide (outside) (2)
- C-127-E Intermittent film guide distance collar (4)
- S-665-E Intermittent film guide stud (2)
- S-716-E-S-1511-E Intermittent film guide screw (4)

E-10 DOUBLE TENSION FILM TRAP DOOR ASSEMBLY (Includes E-3)

PLEASE ORDER BY NUMBER

- RP-24 Film protector fastening screw (2)
 - P-100-E Film trap door pad
 - H-118-E Film guide holder
 - S-130-E Film guide holder screw (8)
 - S-132-E Film guide retaining spring screw
 - D-145-E Film trap door
 - P-325-E Trap door protector
 - S-326-E Film guide retaining spring
 - S-328-E Film trap door pad spring
 - S-580-E Double tension film trap door shoe (2)
 - S-581-E Double tension film trap door shoe spring
- E-82 FILM GUIDE HOLDER ASSEMBLY**
- H-118-E Removable door film guide holder *
 - RP-77 Removable door guide holder nut (4)
 - S-1487-E Removable door guide holder screw (4) *

*THESE PARTS ARE NOT SOLD SEPARATELY



REAR SHUTTER BRACKET AND VERTICAL SHAFT BRACKET

Number	Description
* G-4 AND G-5 (See Page 24)	
G-30 SHUTTER GEAR BRACKET (straight bevel gear type) (Includes G-4 and G-5)	
W-105-G	Shutter driving gear shaft collar
G-116-G	Shutter drive gear
R-120-G	Framing slide guide rod
C-193-G	Shutter shaft collar
G-248-G	Shutter shaft spiral gear
B-314-G	Shutter gear bracket
S-436-G	Shaft collar set screw
S-437-G	Shutter shaft spiral gear set screw
S-871-G	Shutter shaft (rear)
G-73 SPIRAL BEVEL GEAR AND SHAFT ASSEMBLY	
C-193-G	Spiral bevel gear shaft collar
G-278-G	Spiral bevel gear
S-436-G	Shaft collar set screw
S-1082-G	Bevel gear drive shaft
G-78 SHUTTER GEAR BRACKET (spiral bevel gear type) (Includes G-4 and G-73)	

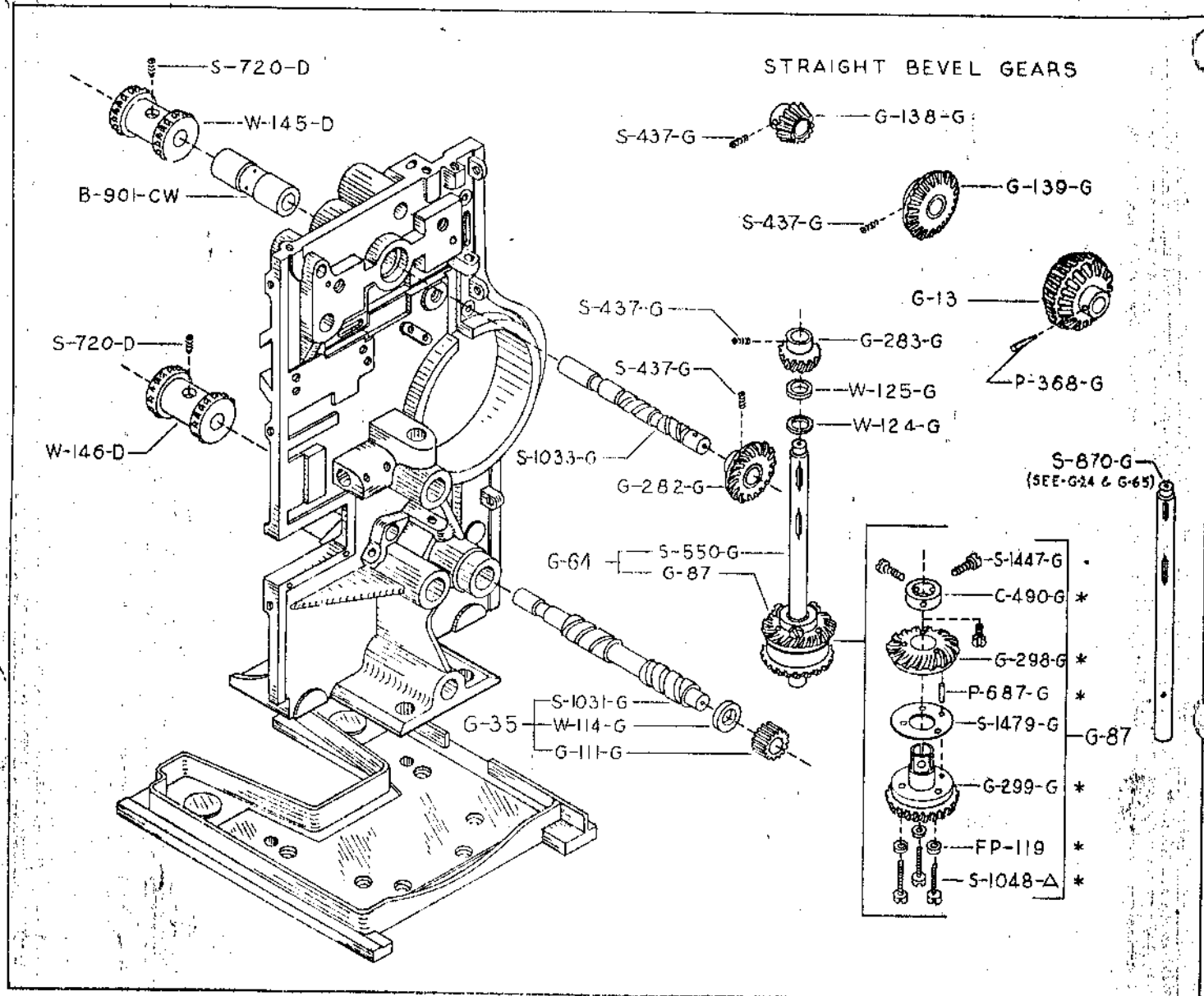
Number	Description
W-105-B	Spiral driving gear shaft washer
G-116-G	Shutter drive gear
R-120-G	Framing slide guide rod
C-193-G	Shutter shaft collar
G-248-G	Shutter shaft spiral gear
B-314-G	Shutter gear bracket
S-436-G	Shutter shaft collar set screw
S-437-G	Shutter shaft spiral gear set screw
S-871-G	Shutter shaft (rear)
D-80 SHUTTER SHAFT AND GEAR	
P-107-G	Shutter gear pin
G-203-G	Shutter shaft gear
S-1046-D	Shutter shaft (specify hard or soft)

PARTS

B-127-A	Vertical shaft bracket
P-169-G	Shutter gear bracket dowel pin
P-188-A	Vertical shaft bracket pin
S-257-G	Shutter gear bracket pin (2)
S-1164-G	Shutter shaft for (rear shutter)

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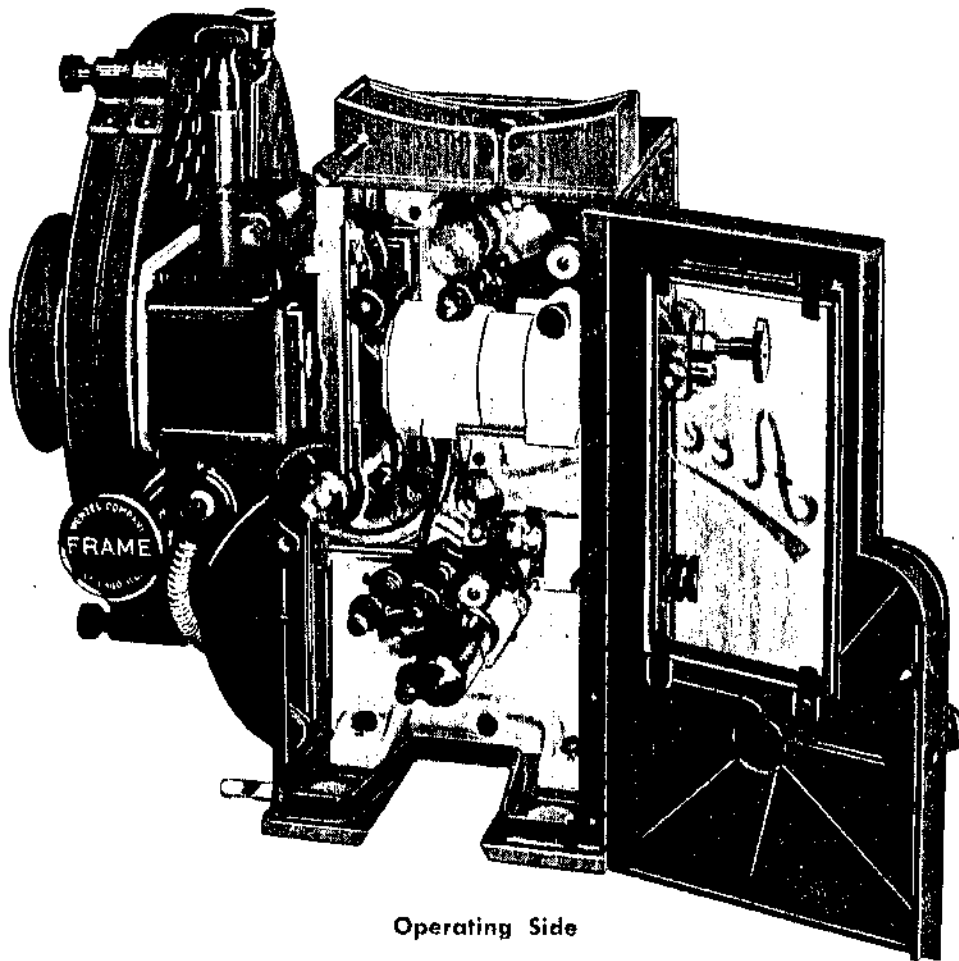


SPROCKET DRIVING GEARS WITH SHAFTS AND SPROCKETS

Number	Description	Number	Description
G-13	STRAIGHT FORMICA DOUBLE BEVEL GEAR AND PIN	G-24	STRAIGHT DOUBLE BEVEL GEAR AND SHAFT ASSEMBLY
P-368-G	Straight bevel gear pin	G-13	Straight double bevel gear
G-15	STRAIGHT FORMICA DOUBLE BEVEL GEAR AND VERTICAL SHAFT ASSEMBLED	P-368-G	Straight double bevel gear taper pin
G-13	Straight formica double bevel gear	S-870-G	Vertical shaft
S-550-G	Vertical shaft	G-35	LOWER SPROCKET SHAFT AND GEAR
		G-111-G	Lower sprocket shaft gear (Formica)
		W-114-G	Lower sprocket shaft washer
		S-1031-G	Lower sprocket shaft
		S-1031-G	Over size .001 .002 .003 .004 .005

PLEASE ORDER BY NUMBER

*THESE PARTS ARE NOT SOLD SEPARATELY



Operating Side

SPROCKET DRIVING GEARS WITH SHAFTS AND SPROCKETS

Number	Description
G-64	SPIRAL DOUBLE BEVEL GEAR AND SHAFT ASSEMBLY
G-87	Spiral bevel gear and clamp
S-550-G	Vertical shaft
G-65	SPIRAL DOUBLE BEVEL GEAR AND SHAFT ASSEMBLY
G-87	Spiral double bevel gear and clamp assembly
S-870-G	Vertical shaft
G-87	SPIRAL DOUBLE BEVEL GEAR AND CLAMP ASSEMBLY
G-298-G	Vertical shaft driving spiral bevel gear *
G-299-G	Vertical shaft driven spiral bevel gear *
FP-119	Double bevel gear fastening screw washer *
C-490-G	Double bevel gear clamp collar *
P-687-G	Double bevel gear locating dowel pin *

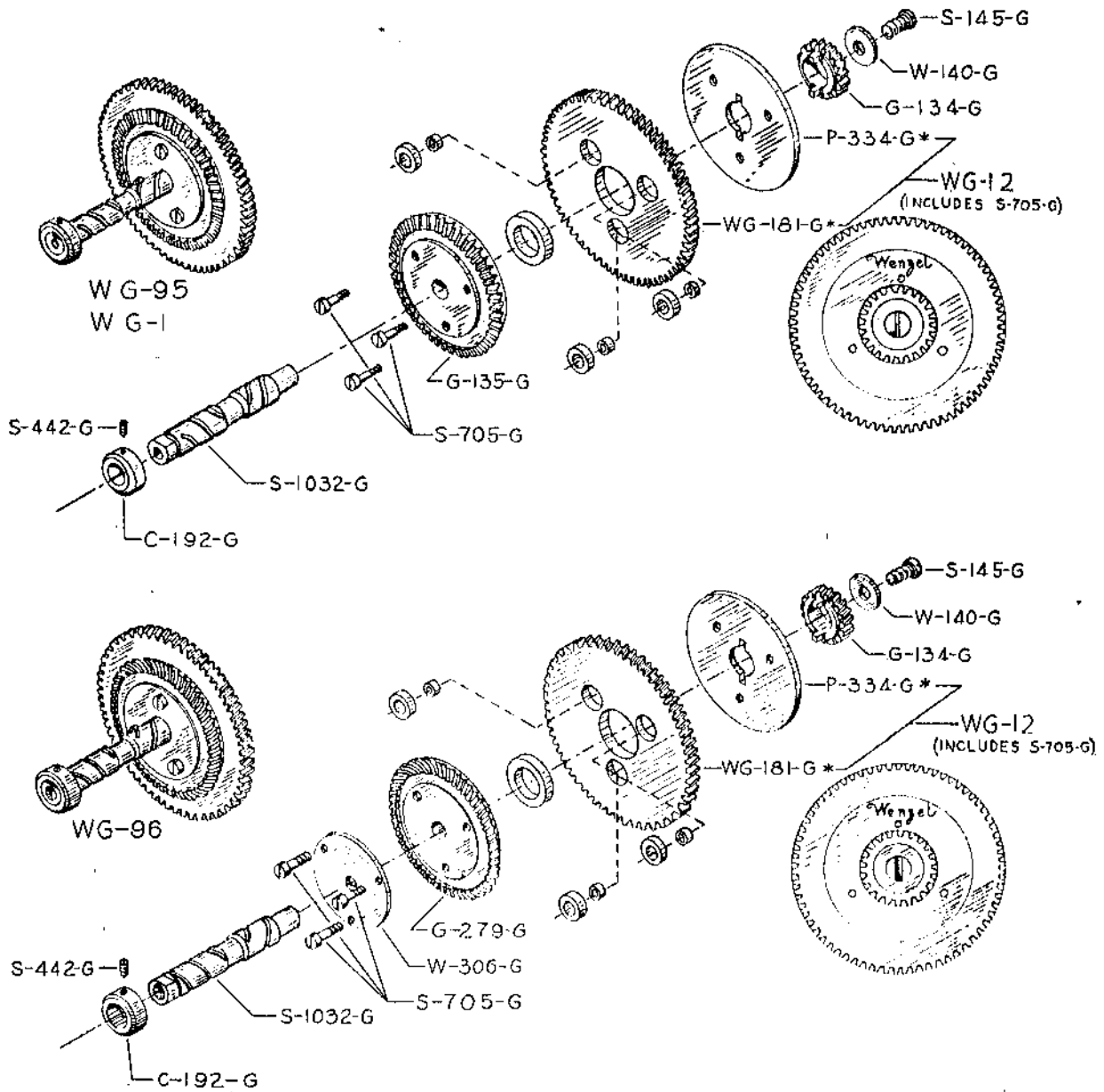
Number	Description
S-1048-A	Double bevel gear fastening screw (3) *
S-1447-G	Double bevel gear clamp collar screw
S-1479-G	Double bevel gear shim

PARTS

W-124-G	Vertical shaft washer (lower — .094)
W-125-G	Vertical shaft washer (upper — .0625)
G-138-G	Vertical shaft top straight bevel gear (No. 3)
G-139-G	Upper sprocket shaft straight bevel gear
W-145-D	Upper sprocket, hardened and ground
W-146-D	Lower sprocket, hardened and ground
B-262-G	Vertical shaft replacement bearing
G-282-G	Upper sprocket shaft spiral bevel gear
G-283-G	Vertical shaft top spiral gear
S-437-G	Bevel gear set screw
S-720-D	Upper and lower sprocket set screw
B-901-CW	Upper sprocket shaft bushing, hardened
S-1033-G	Upper sprocket shaft (regular)
S-1033-G	Over size .001 .002 .003 .004 .005

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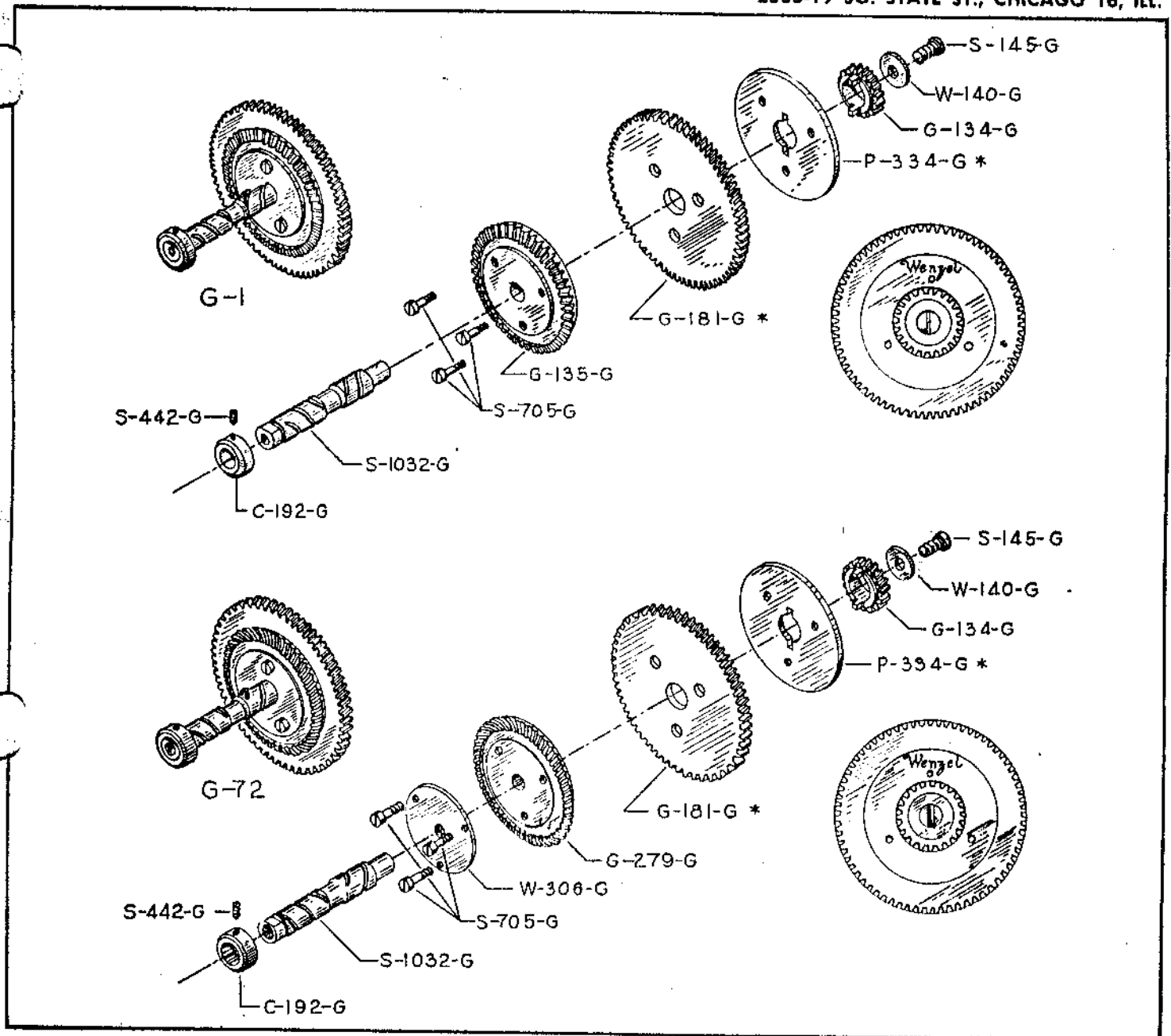
INTERMEDIATE GEARS AND SHAFT (Straight bevel gear shock proof type)

Number	Description
WG-12	SHOCK PROOF INTERMEDIATE GEAR AND PLATE ASSEMBLY
WG-181-G	Shock proof intermediate gear *
P-334-G	Intermediate gear plate *
S-705-G	Intermediate gear screw (3)
WG-95	SHOCK PROOF INTERMEDIATE GEAR AND SHAFT (straight bevel type)
WG-12	Shock proof intermediate gear and plate assembly
G-134-G	Intermediate small steel gear (No. 1)
G-135-G	Intermediate straight bevel gear
W-140-G	Intermediate gear retaining washer
S-145-G	Intermediate gear washer screw
C-192-G	Intermediate shaft gear collar
S-442-G	Intermediate shaft collar set screw

Number	Description
S-1032-G	Intermediate shaft
WG-96	SHOCK PROOF INTERMEDIATE GEAR AND SHAFT (spiral bevel type)
WG-12	Shock proof intermediate gear and plate assembly
G-134-G	Intermediate small steel gear (No.1)
W-140-G	Intermediate gear retaining washer
S-145-G	Intermediate gear washer screw
C-192-G	Intermediate shaft gear collar
G-279-G	Intermediate spiral bevel gear
W-306-G	Intermediate spiral gear spacer
S-442-G	Intermediate shaft collar set screw
S-1032-G	Intermediate shaft
S-1032-G	Over size .001 .002 .003 .004 .005

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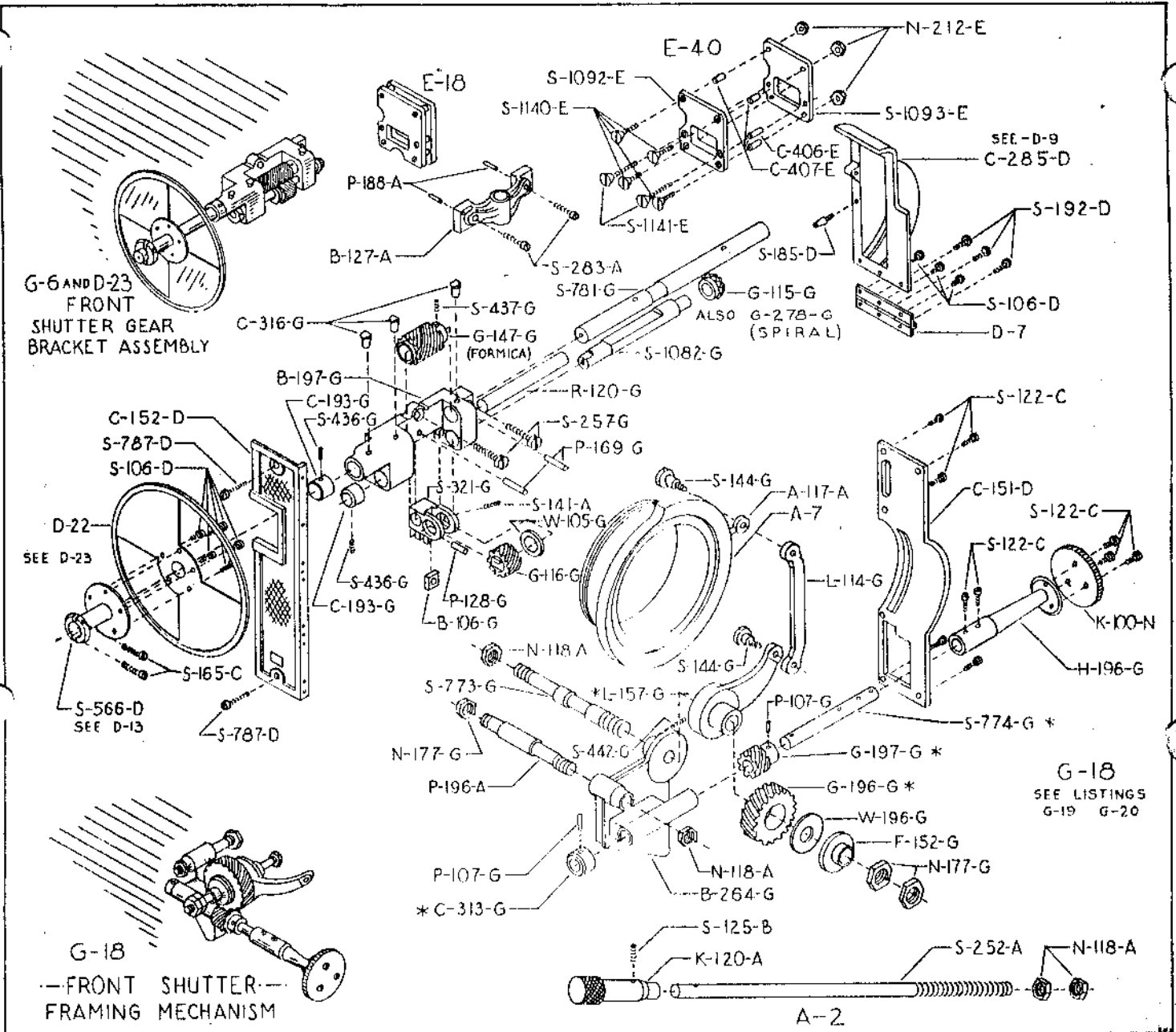
INTERMEDIATE GEAR AND SHAFT (straight bevel type)

Number	Description
G-1	INTERMEDIATE GEAR AND SHAFT
G-12	Formica intermediate gear & plate assy.
G-134-G	Intermediate small steel gear (No. 1)
G-135-G	Intermediate straight bevel gear
W-140-G	Intermediate gear retaining washer
S-145-G	Intermediate gear washer screw
C-192-G	Intermediate shaft gear collar
S-442-G	Intermediate shaft collar set screw
S-1032-G	Intermediate shaft
G-12	FORMICA INTERMEDIATE GEAR & PLATE ASS'Y.
G-181-G	Formica intermediate gear *
P-334-G	Intermediate gear plate *
S-705-G	Intermediate gear screw (3)

Number	Description
G-72	INTERMEDIATE GEAR AND SHAFT (SPIRAL BEVEL)
G-12	Formica intermediate gear & plate assy.
G-134-G	Intermediate small steel gear No. 1
W-140-G	Intermediate gear retaining washer
S-145-G	Intermediate gear washer screw
C-192-G	Intermediate shaft gear collar
G-279-G	Intermediate spiral bevel gear
W-306-G	Intermediate spiral bevel gear spacer plate
S-442-G	Intermediate shaft collar set screw
S-1032-G	Intermediate shaft
S-1032-G	Over size .001 .002 .003 .004 .005

PLEASE ORDER BY NUMBER

*THESE PARTS ARE NOT SOLD SEPARATELY



PARTS FOR FRONT SHUTTER MECHANISMS

Number	Description
A-2 SHUTTER ADJUSTING SCREW AND KNOB ASSEMBLY	
K-120-A	Shutter adjusting screw knob
S-125-B	Shutter adjusting screw knob set screw
S-252-A	Shutter adjusting screw
G-4 FRAMING SLIDE AND BLOCK ASSEMBLY	
B-106-G	Framing slide lever block
P-128-G	Framing slide lever pin
S-321-G	Framing slide
G-5 BEVEL GEAR AND SHAFT ASSEMBLY	
G-115-G	Bevel gear
C-193-G	Bevel gear collar
S-436-G	Shaft collar set screw
S-1082-G	Bevel gear drive shaft

Number	Description
G-6 SHUTTER GEAR BRACKET ASSEMBLY	
G-4	Framing slide and block assembly
G-5	Bevel gear and shaft assembly
G-116-G	Shutter driving gear with broached hole
B-197-G	Shutter gear bracket and oil cups
C-316-G	Oil cups (3)
G-147-G	Spiral gear (formica)
R-120-G	Framing slide guide rod
S-141-A	Framing slide set screw
S-437-G	Shutter spiral gear set screw
S-781-G	Front shutter shaft
W-105-B	Spiral drive gear shaft washer

PLEASE ORDER BY NUMBER

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PARTS FOR FRONT SHUTTER MECHANISMS

Number	Description
A-7	FRAMING CAM, ARM, AND PIN ASSEMBLY
D-7	RIGHT DRUM COVER HINGE ASSEMBLY
D-9	FILMSIDE DRUM COVER ASSEMBLY
S-106-D	Hinge screw (3)
S-185-D	Lockstop screw
C-285-D	Film side drum cover
D-13	SHUTTER SPIDER ASSEMBLY
S-165-C	Shutter spider screw (2)
S-566-D	Shutter spider *
D-22	TWO WING OPAQUE SHUTTER (REGULAR)
D-23	TWO WING SHUTTER AND SPIDER ASSEMBLY
D-13	Shutter spider assembly
D-22	Two wing opaque shutter
S-106-D	Shutter screw (5)
G-18	HEAT SHIELD, OLD STYLE (with cut out for old style right back drum cover latch knob)
N-132-U	Heat shield nut (4)
S-651-E	Film trap back heat shield
S-652-E	Film trap front heat shield
S-653-E	Heat shield screws and spacers (6)
G-18	FRAMING MECHANISM (new style)
G-19	Framing mechanism driving shaft and collar
G-20	Framing lever and gear
K-100-N	Framing mechanism fibre knob
S-122-C	Framing mechanism screw (5)
F-152-G	Framing lever gear friction flange
H-196-G	Framing mechanism handle
W-196-G	Framing lever gear friction washer
N-177-G	Framing lever gear friction adjusting nut (2)
B-264-G	Framing mechanism support bracket
S-442-G	Framing mechanism set screw
S-773-G	Framing lever pivot stud

Number	Description
G-19	FRAMING MECHANISM DRIVING SHAFT GEAR AND COLLAR
P-107-G	Taper pin (2)
G-197-G	Framing mechanism driving shaft gear *
C-313-G	Framing driving shaft collar *
S-774-G	Framing mechanism driving shaft *
G-20	FRAMING LEVER AND GEAR
L-157-G	Framing lever *
G-196-G	Framing lever gear *
E-40	FILM TRAP ASBESTOS HEAT SHIELD
N-212-E	Heat shield screw nut (4)
C-406-E	Heat shield fastening screw spacer collar (2)
C-407-E	Heat shield spacer collar (4)
S-1092-E	Rear heat shield
S-1093-E	Front heat shield
S-1140-E	Heat shield spacer screw (4)
S-1141-E	Heat shield fastening screw (2)
R-15	DOUBLE APERTURE LIGHT SHIELD
G-180-R	Double aperture light shield glass (2)
N-135-W	Double aperture light shield nut (2)
S-427-U	Double aperture light shield screw (2)
S-700-R	Double aperture light shield only
S-755-R	Double aperture light shield spring
G-136-R	APERTURE LIGHT SHIELD GLASS FOR R-8

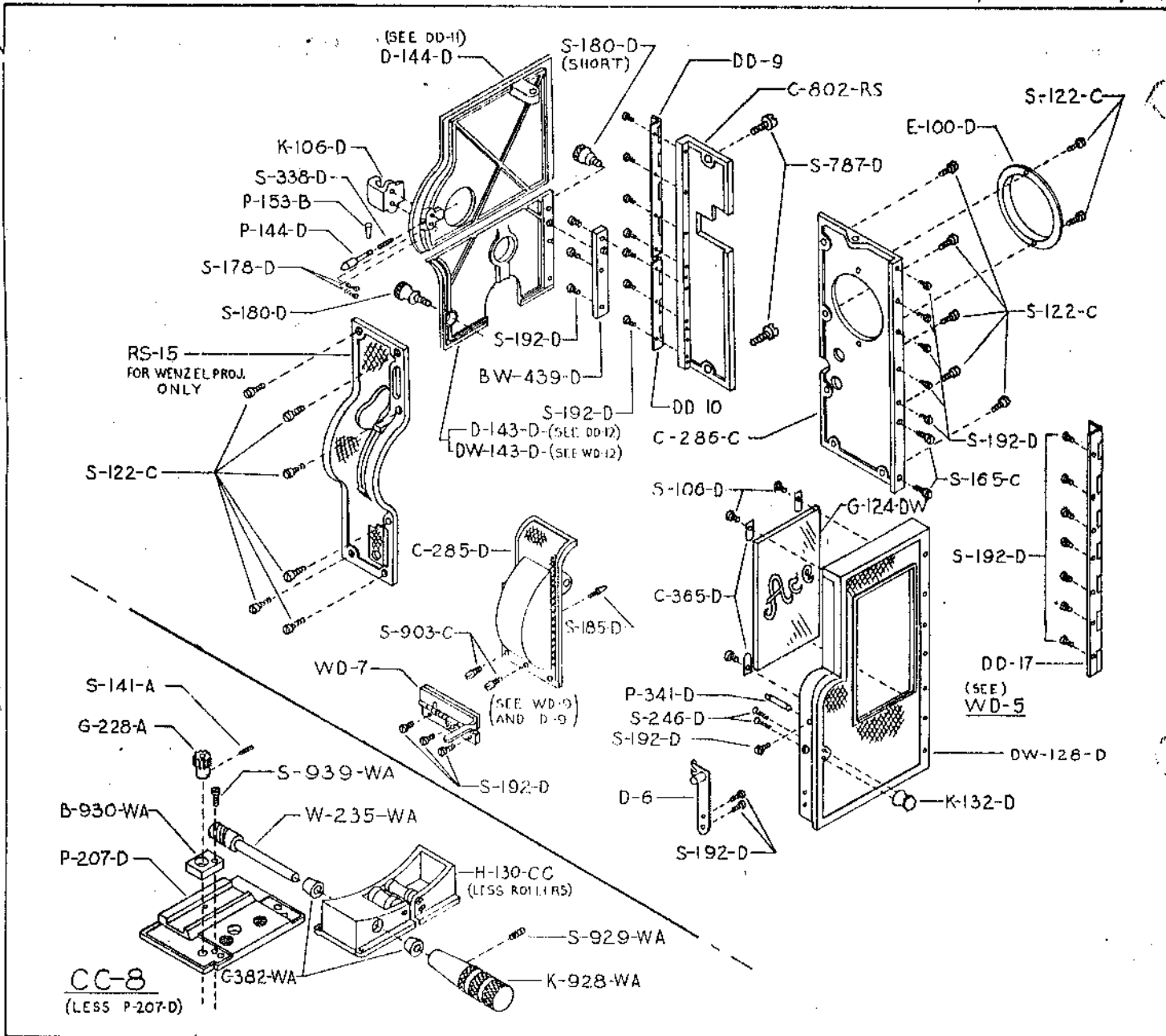
PARTS

W-106-G	Framing handle friction washer
L-114-G	Picture framing connecting link
N-118-A	Picture framing handle pivot nut
S-122-C	Cover fastening screw
N-123-A	Adjusting screw lock nut
B-127-A	Vertical shaft bracket
S-144-G	Picture framing link screw
S-142-G	Picture framing lever pivot screw
C-151-D	Gear side back cover (for front shutter only)
C-152-D	Gear side front cover
P-169-G	Shutter gear bracket dowel pin
P-188-A	Vertical shaft bracket dowel pin
S-192-D	Drum cover hinge fastening screw (3)
C-193-G	Shutter shaft collar
P-196-A	Picture framing handle pivot
S-222-G	Picture framing link screw
S-223-G	Picture framing connecting link screw
S-257-G	Shutter gear bracket screw
S-283-A	Vertical shaft bracket screw
S-436-G	Shaft collar set screw
S-787-D	Gear side front cover screw

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25

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PROJECTOR COVERS AND UPPER MAGAZINE ROLLER HOLDER FOCUSING DEVICE

Number	Description
WD-5	FILM SIDE ONE PIECE DOOR ASSEMBLY
D-6	Film side door lock spring and button
DD-17	Film side door hinge assembly
DW-128-D	Film side one piece door
K-132-D	Film side door knob
S-192-D	Cover linkage locking pin fastening screw and D-6 fastening screw (2)
S-246-D	Film side door hinge screw (7)
P-341-D	Cover linkage locking pin
WD-7	FILM SIDE DRUM COVER FINGER ACTION RELEASING HINGE
S-192-D	Hinge fastening screw (3)

Number	Description
CC-8	UPPER MAGAZINE ROLLER HOLDER AND FOCUSING DEVICE (Wenzel "Ace" projector only)
H-130-CC	Upper magazine roller holder
S-141-A	Focusing gear set screw
G-228-A	Focusing gear
W-235-WA	Worm shaft for focusing device
C-382-WA	Adjusting knob collars (2)
K-928-WA	Knob for focusing
S-929-WA	Focusing knob set screw
S-930-WA	Focusing gear holding bracket
S-939-WA	Focusing gear holding bracket fastening screw

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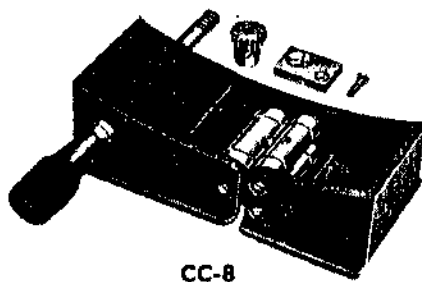
PROJECTOR COVERS AND UPPER MAGAZINE ROLLER HOLDER FOCUSING DEVICE

Number	Description
DD-9	GEAR SIDE UPPER DOOR HINGE ASSEMBLY
WD-9	FILM SIDE DRUM COVER, SLIP IN TYPE ASSEMBLY
WD-7	Film side drum cover finger action cover releasing hinge
S-185-D	Film side drum cover spring lock screw
C-285-D	Film side drum cover
S-903-C	Film side drum cover locating screw (2)
DD-10	GEAR SIDE LOWER DOOR HINGE ASSEMBLY
DD-11	GEAR SIDE UPPER DOOR AND KNOB ASSEMBLY
DD-9	Gear side upper door hinge assembly
K-106-D	Gear side upper door knob
D-144-D	Gear side upper door
P-144-D	Gear side upper door lock pin
P-153-B	Gear side upper door lock pin retainer
S-178-D	Gear side upper door knob fastening screw (2)
S-192-D	Gear side upper door hinge screw (4)
S-338-D	Gear side upper door lock pin spring
DD-12	GEAR SIDE LOWER DOOR ASSEMBLY
DD-10	Gear side lower door hinge assembly
D-143-D	Gear side lower door
S-192-D	Gear side lower door hinge screw (3)

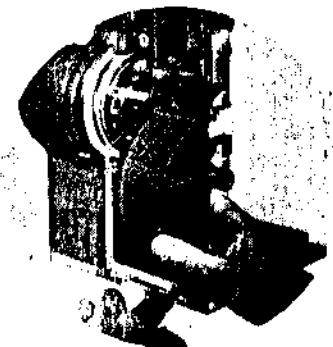
Number	Description
WD-12	GEAR SIDE LOWER DOOR COMPLETE WITH BRACKET AND HOLDING SCREW
DW-143-D	Gear side lower door for bracket
S-180-D	(short) Gear side lower door holding screw
S-192-D	Gear side lower door bracket fastening screw (3)
BW-439-D	Gear side lower door holding bracket
RS-15	GEAR SIDE BACK COVER (Wenzel projector only)
DD-17	FILM SIDE DOOR HINGE

PARTS

P-207-D	Top plate
E-100-D	Escutcheon
S-106-D	Film side door glass clamp fastening screw (4)
S-122-C	Cover screw
G-124-DW	Film side door glass for "Ace" projector
S-155-C	Film side door hinge fastening screw (2)
S-180-D	Gear side lower door lock screw
S-192-D	Hinge screws
C-286-C	Film side front cover
C-365-D	Film side door glass clamp (4)
S-787-D	Gear side front cover screw (2)
C-802-RS	Gear side front cover (Wenzel projector only)



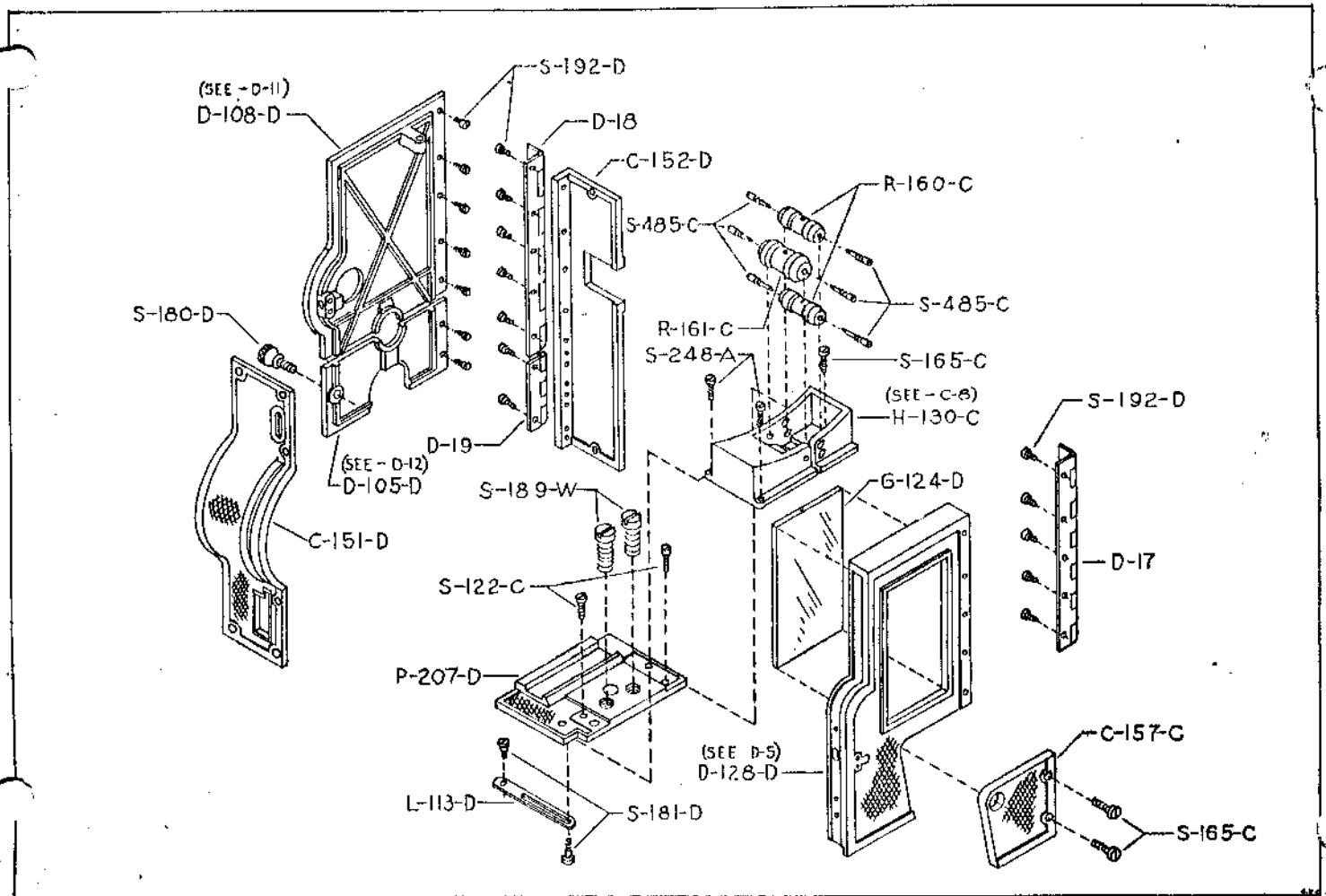
CC-8



WD-9

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PROJECTOR COVERS (OLD STYLE)

Number	Description
D-4	FILM SIDE DOOR AND HINGE
D-17	Film side door hinge
D-128-D	Film side door
S-192-D	Film side door hinge screw (5)
D-5	FILM SIDE DOOR AND KNOB
D-4	Film side door and hinge
K-132-D	Door knob
S-246-D	Door knob screw (2)
D-11	GEAR SIDE UPPER DOOR AND KNOB ASSEMBLY
D-18	Gear side upper door hinge
K-106-D	Gear side upper door knob
D-108-D	Gear side upper door
S-178-D	Gear side upper door knob screw (2)
S-192-D	Gear side upper door hinge screw (5)
D-12	GEAR SIDE LOWER DOOR AND HINGE ASSEMBLY
D-19	Gear side lower door hinge
D-105-D	Gear side lower door
S-192-D	Gear side lower door hinge screw (2)
C-8	UPPER MAGAZINE ROLLER HOLDER ASSEMBLY
H-130-C	Upper magazine roller holder
R-160-C	Magazine roller small (2)
R-161-C	Magazine roller large
S-485-C	Magazine roller pivot screw (6)

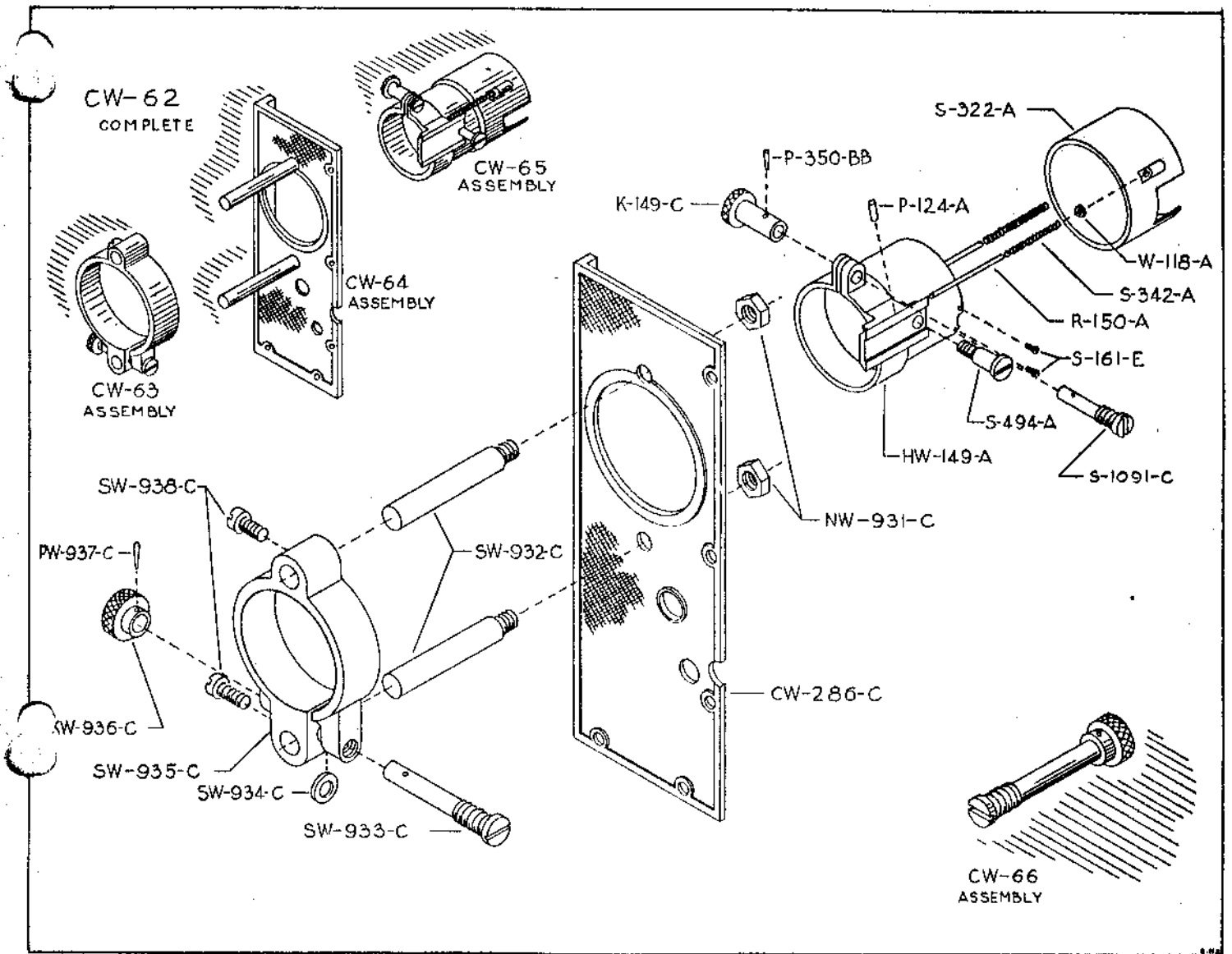
Number	Description
D-17	FILM SIDE DOOR HINGE
D-18	GEAR SIDE UPPER DOOR HINGE
D-19	GEAR SIDE LOWER DOOR HINGE

PARTS

C-151-D	Gear side back cover
C-152-D	Gear side front cover
L-113-D	Gear side upper door stop link
S-122-C	Top plate cover screw (2)
G-124-D	Film side door glass
C-157-C	Film side lower cover
S-165-C	Front fastening screw for H-130-C and fastening screw for C-157-C
S-180-D	Gear side lower door lock screw
S-181-D	Gear side upper door stop link screw
S-189-W	Upper magazine bracket fastening screw (2)
P-207-D	Top plate
S-248-A	Upper magazine roller holder fastening screw (rear) (2)

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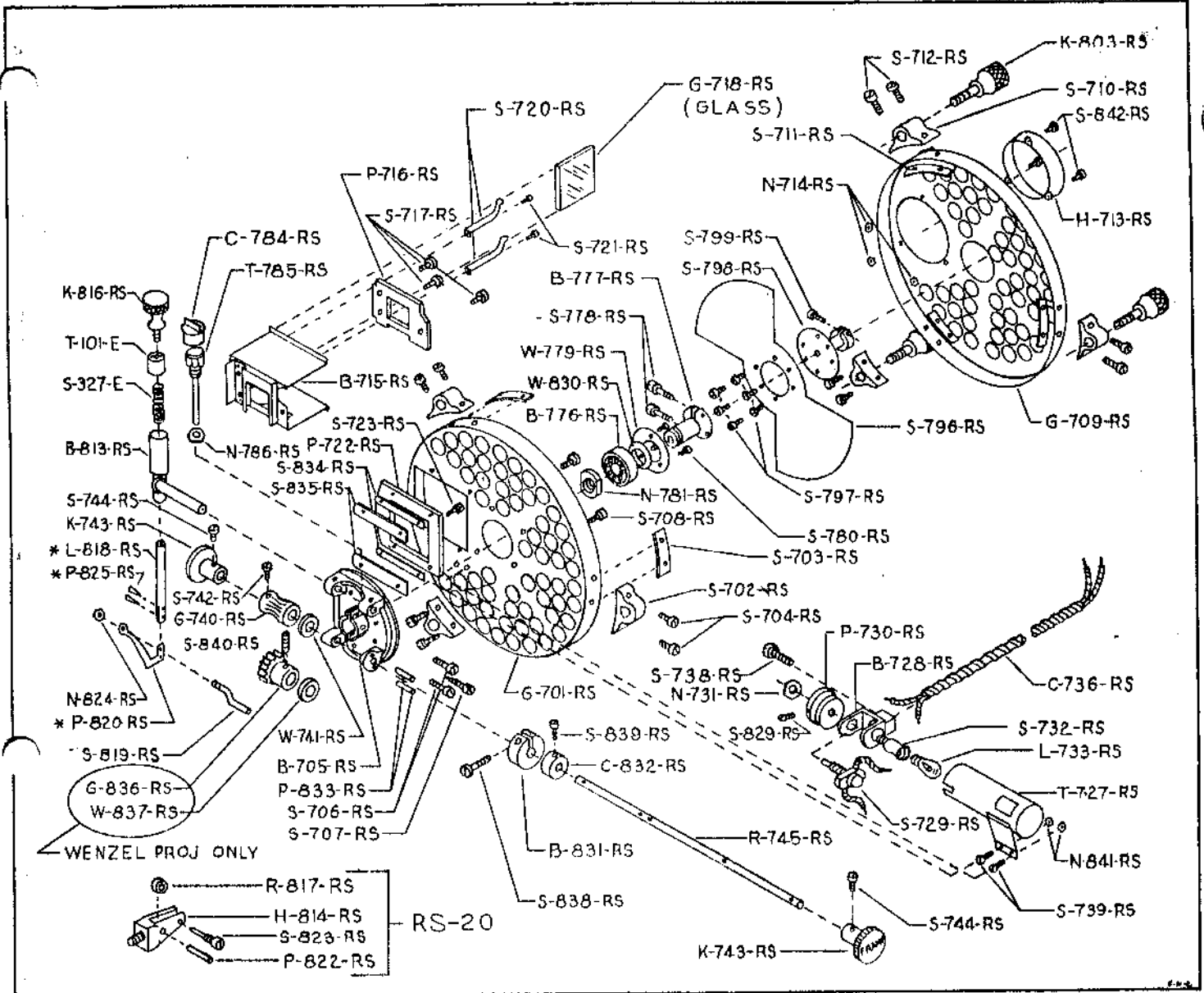


LENS HOLDER AND SUPPORT BRACKET ASSEMBLY FOR 2-3/16" LENS

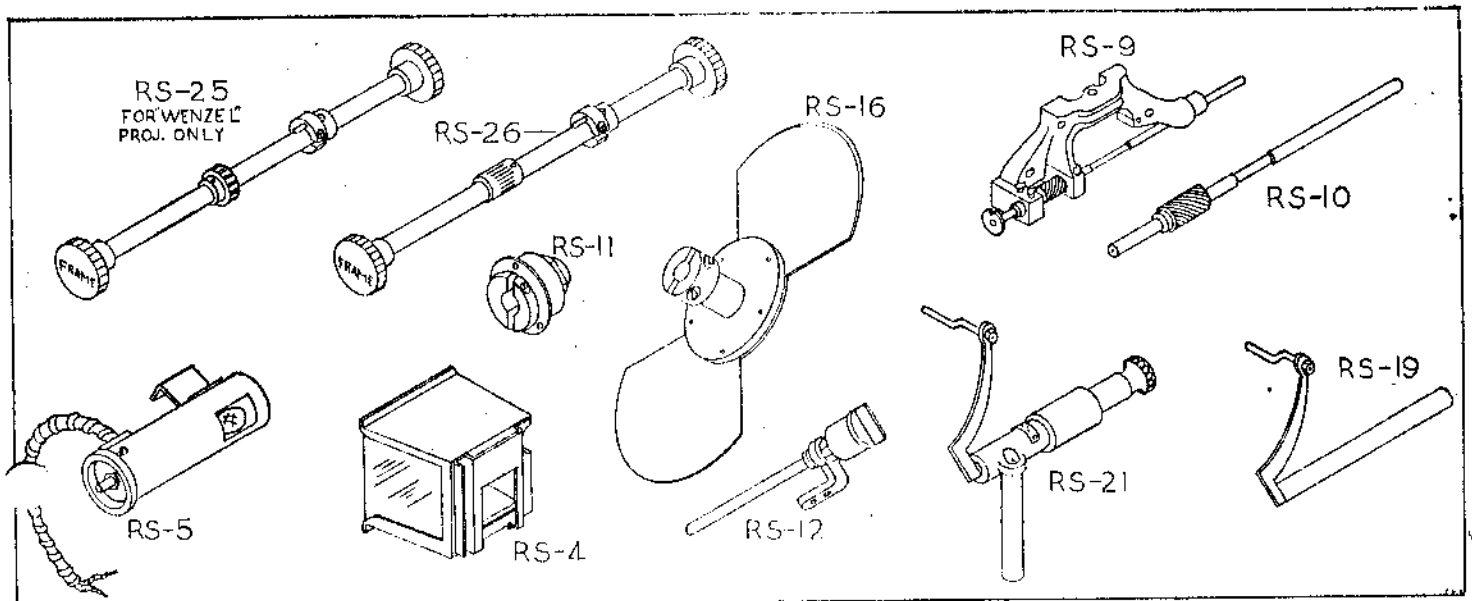
Number	Description	Number	Description
CW-62	LENS HOLDER & SUPPORT BRACKET COMPLETE	HW-149-A	Projecting lens holder for 2-3/16" diameter lens
	CW SUB-ASSEMBLES	K-149-C	Clamp knob
CW-63	LENS SUPPORT BRACKET ASSEMBLY	R-150-A	Projecting lens holder slide guide rod (2)
	SW-933-C Clamp knob screw	S-322-A	Projecting lens holder slide
	SW-934-C Clamp knob screw washer	S-161-E	Projecting lens holder slide stop screw (2)
	SW-935-C Lens support bracket	S-342-A	Projecting lens holder slide guide rod spring (2)
	KW-936-C Clamp knob	P-350-BB	Clamp knob pin
	PW-937-C Clamp knob taper pin	S-494-A	Focusing rack retaining screw
	SW-938-C Support bracket stop screw (2)	S-1091-C	Clamp knob screw
CW-64	LENS SUPPORT BRACKET COVER ASSEMBLY	CW-66	CLAMP KNOB AND SCREW FOR SUPPORT BRACKET
	CW-286-C Lens support bracket cover		SW-933-C Clamp knob screw
	NW-931-C Support bracket stud nut		KW-936-C Clamp knob
	SW-932-C Support bracket studs (2)		PW-937-C Clamp knob taper pin
CW-65	PROJECTING LENS HOLDER AND SLIDE FOR 2-3/16" LENS (includes C-38)		
	W-118-A Projecting lens holder slide washer (2)		
	P-124-A Focusing gib pin		

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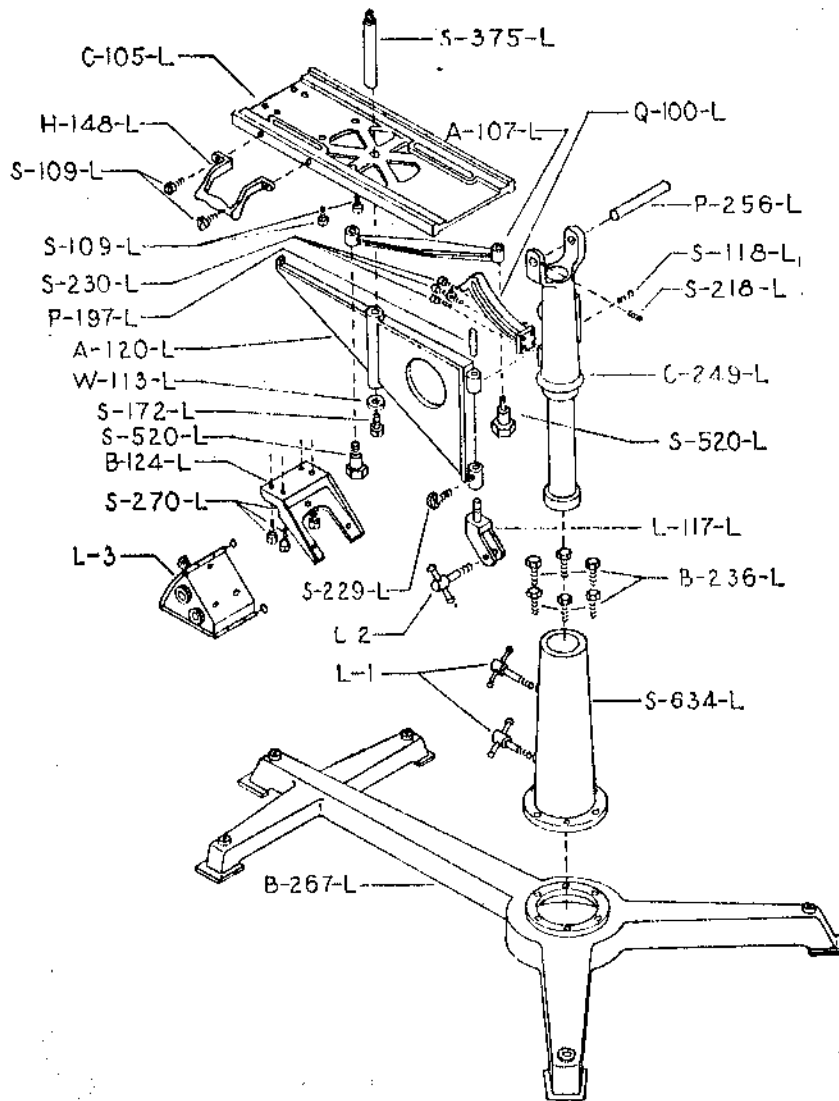


WENZEL "ACE" REAR SHUTTER



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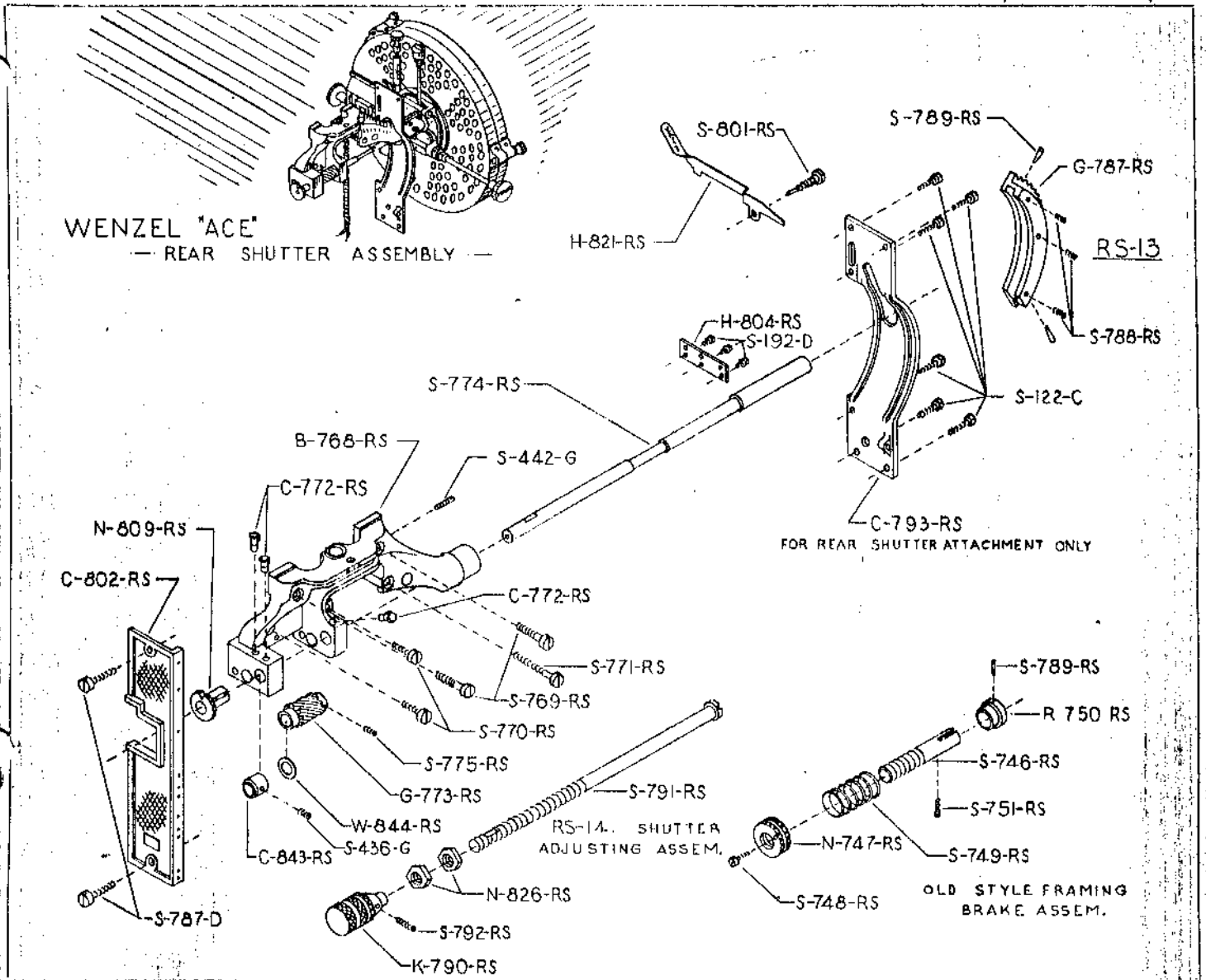
---FIVE POINT---
PEDESTAL ASSEMBLY

FIVE POINT PEDESTAL

Number	Description	Number	Description
"L" PEDESTAL COMPLETE WITH B-267-L FIVE POINT BASE			
L-1	PEDESTAL STAND HANDLE ASSEMBLY	A-107-L	Auxiliary arm
L-2	QUADRANT LOCK CLAMP HANDLE ASSEMBLY	S-109-L	Lamphouse carriage handle retaining screw
L-3	SWITCH BOX AND COVER	W-113-L	Lamphouse carriage washer
L-4	SIXTY AMPERE SWITCH BOX, SWITCH AND BRACKET ASSEMBLIES (Includes L-3)	L-117-L	Quadrant lock
B-124-L	Switch box bracket	S-118-L	Pedestal pivot set screw
N-132-U	Retaining nut (3)	A-120-L	Slide over arm
N-162-L	3/4" chase lock nut (4)	H-148-L	Lamphouse carriage handle
N-163-L	3/4" chase nipple (4)	S-172-L	Lamphouse carriage pivot
B-189-L	Switch box and cover	P-197-L	Slide over arm pivot
W-197-L	Retaining screw washer (3)	S-218-L	Pedestal arm pivot screw
B-240-L	3/4" chase bushing (4)	S-229-L	Quadrant lock retaining thumb screw
S-387-L	Sixty ampere switch	S-230-L	Quadrant stand screw
S-388-L	One hundred ampere switch	B-236-L	Pedestal base bolt (6)
S-408-Q	Retaining screw (3)	C-249-L	Pedestal column
PARTS			
Q-100-L	Quadrant	P-256-L	Pedestal arm pivot
C-105-L	Lamphouse carriage	B-267-L	Pedestal base (five point)
		S-270-L	Switch box screw (4)
		S-375-L	Lamphouse carriage pivot screw
		S-520-L	Auxiliary arm pivot screw
		S-634-L	Pedestal stand

PLEASE ORDER BY NUMBER

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WENZEL BRACKET FOR REAR SHUTTER ATTACHMENTS

- | Number | Description |
|--------------|---|
| RS-9 | REAR SHUTTER BRACKET AND OIL CUPS |
| RS-10 | Shutter shaft assembly |
| B-768-RS | Rear shutter bracket |
| S-769-RS | Rear shutter bracket screw large (2) |
| S-770-RS | Rear shutter bracket screw small (2) |
| S-771-RS | Rear shutter bracket screw long |
| C-772-RS | Rear shutter bracket oil cups (3) |
| RS-10 | SHUTTER SHAFT ASSEMBLY |
| G-773-RS | Shutter gear (formica) |
| S-774-RS | Rear shutter shaft |
| S-775-RS | Rear shutter shaft gear set screw |
| N-809-RS | Rear shutter shaft framing nut |
| C-843-RS | Shutter shaft collar (oilite) |
| S-436-G | Shutter shaft collar set screw |
| W-844-RS | Shutter shaft gear spacer washer (oilite) |
| RS-13 | FRAMING CAM GEAR |
| G-787-RS | Framing cam gear (for rear shutter attachment only) |
| G-788-RS | Framing cam gear set screw (3) |
| S-789-RS | Rear shutter attachment stop stud (2) |

- | Number | Description |
|---|-------------------------------------|
| RS-14 | SHUTTER ADJUSTING ASSEMBLY |
| R-790-RS | Shutter adjusting screw knob |
| S-791-RS | Shutter adjusting screw |
| S-792-RS | Shutter adjusting knob set screw |
| N-826-RS | Nut for shutter adjusting screw |
| OLD STYLE FRAMING BRAKE ASSEMBLY | |
| S-746-RS | Framing rod friction device sleeve |
| N-747-RS | Friction device lock nut |
| S-748-RS | Lock nut set screw |
| S-749-RS | Friction device spring |
| R-750-RS | Framing gear friction sleeve ring |
| S-751-RS | Framing rod device sleeve set screw |

- PARTS**
- | | |
|----------|--|
| S-122-C | Gear side back cover fastening screw (6) |
| S-192-D | Fastening screw for H-804-RS hinge plate |
| S-787-D | Gear side front cover screw (2) |
| C-793-RS | Gear side back cover |
| S-801-RS | Fire shutter lift lever handle pivot screw |
| C-802-RS | Gear side front cover (special for rear shutter) |
| H-804-RS | Drum cover hinge (special for rear shutter) |
| H-821-RS | Handle to lift fire shutter |

PLEASE ORDER BY NUMBER

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