C-83

PARTS CATALOG

For

MODEL C LILLY HOIST CONTROLLER

SUPERSEDES PARTS CATALOG C-68

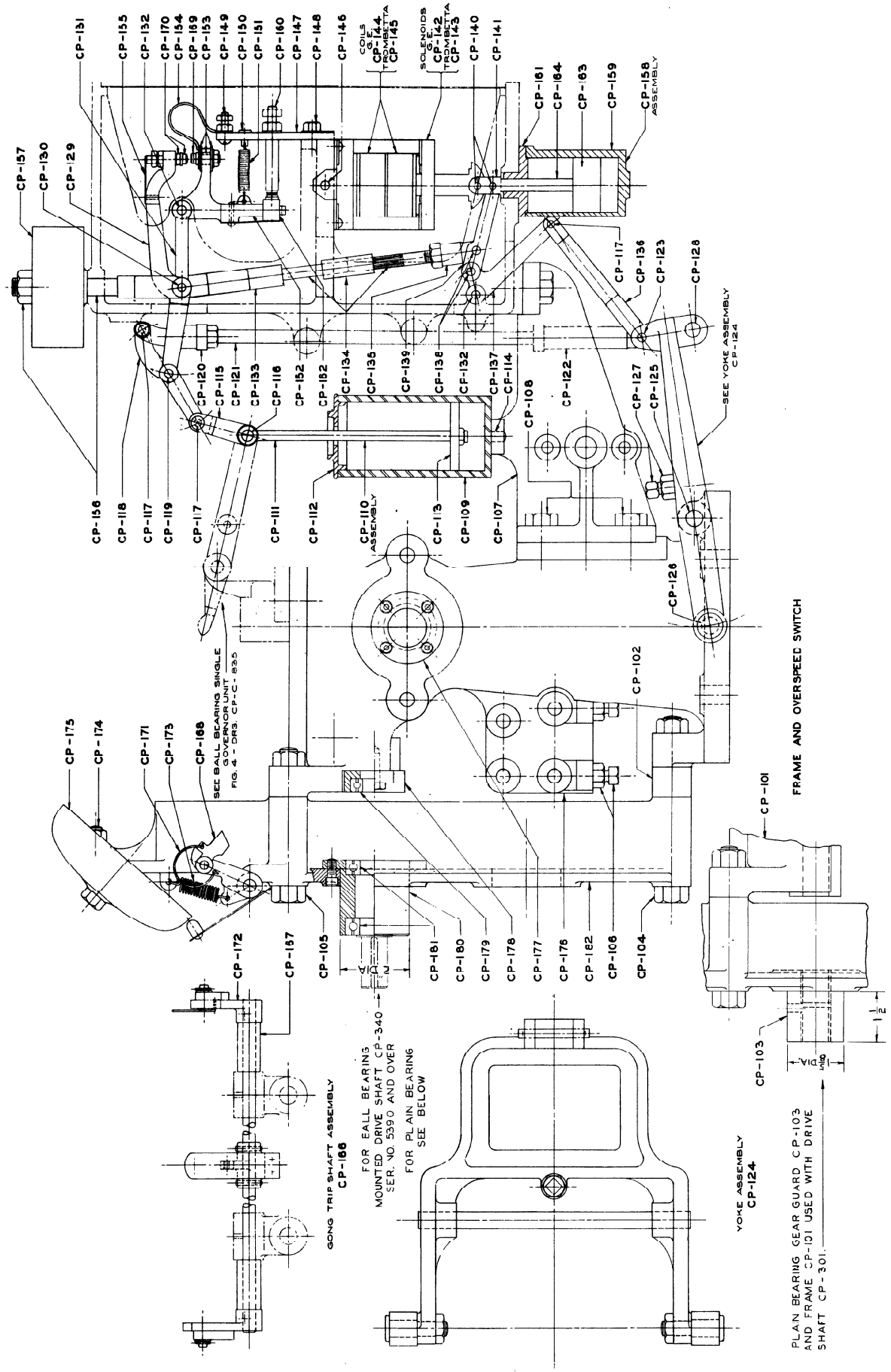
INSTRUCTIONS FOR SELECTING AND ORDERING

1. Obtain the catalog number of each part required, by consulting the drawing on which the part is shown.
2. In the Parts List, glance down the first column until the catalog number is located.
3. The catalog number is for *a* part or *an* assembly, unless otherwise stated, and the "No. Req'd." column will assist in determining quantity to order.
4. Weight shown in last column are for each part or assembly.
5. To order one or more parts, specify the *Catalog Number* and the *Name of Part* as a check on each other.
6. Also, refer to Parts Sheet Number.
7. Wherever solenoids or electric coils are involved, be sure to specify the current characteristics; i.e.; voltage and frequency.

Note: Right Hand or Left Hand parts or assemblies are determined by looking at the controllers from the drive shaft end.

Manufactured by

LOGAN ACTUATOR CO.
550 CHIPPEWA RD
HARVARD IL 60033
http://www.loganact.com



FRAME AND OVERSPEED SWITCH

Fig. 1 — Drg. CP-C-1836

FRAME AND OVERSPEED SWITCH

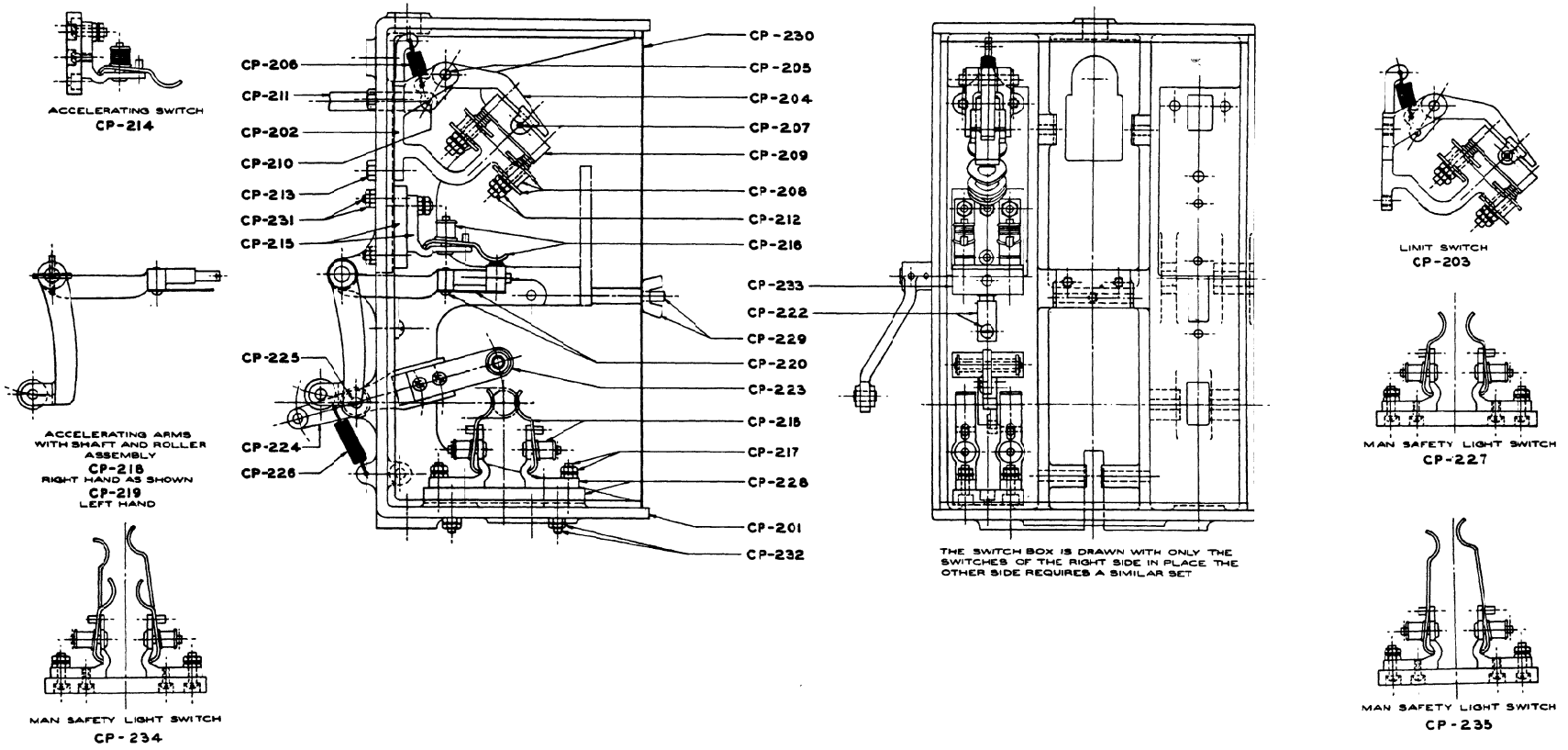
Fig. 1 — Drg. CP-C-1836

CATALOG NO.	LOGAN DRG. NO.	QUANT. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	OZ.
CP-101	AC-505	1	Stand w/Plain Bushings	38	0
CP-102	BBC-518	1	Spacer	0	2
CP-103	AC-509 & Q14-02574	1	Gear Guard w/Bronze Plain Bushings	11	12
CP-104	OC-517	1	Lower Guard Bolt	0	11
CP-105	PC-517	2	Upper Guard Bolt	0	6
CP-106	Q6-00359 & Q9-00510	2	Sq. Hd. Set Screw w/Nut	0	2
CP-107	CC-505 & Q1-00066	1	Bracket w/6 Cap Screws	9	8
CP-108	Q1-00066	6	Cap Screw ½"-13 x 1"	0	1½
CP-109	C-1262	1	Oil Dash Pot	2	10
CP-110	ED-602, OC-509 & CD-602	1	Piston, Rod & Cover for Oil Dash Pot	0	10
CP-111	OC-509 & Q9-01156	1	Piston Rod w/Nut	0	3
CP-112	CD-602	1	Cover	0	4¼
CP-113	ED-602	1	Piston	0	3
CP-114	Q1-00018	2	Cap Screw 5/16"-18 x 3/4" for CP-109	0	1/2
CP-115	EC-511	1	Forked Link	0	2
CP-116	MC-518, NC-518 & Q11-00845	1	Pin w/Washers & Cotters	0	3
CP-117	PC-518 & Q11-00840	3	Pin w/Cotter	0	1
CP-118	HC-514	1	Floating Arm	0	3
CP-119	AEC-518 & Q11-00840	1	Pin w/Cotters	0	1
CP-120	NC-514	1	Rod Head	0	3
CP-121	PC-514 & Q9-00510	1	Rod w/Nut	0	7
CP-122	QC-514	1	Socket Head	0	5
CP-123	CC-518	1	Yoke Pin	0	1
CP-124	HC-511, QC-517, AC-518, XD-607, BC-518, Q9-00523, Q9-00510, & Q6-00360	1	Yoke w/Shaft, Pins, Rollers, Nuts, Sq. Hd. Set Screws & Cotters	2	5
CP-125	QC-517	1	Yoke Shaft	0	8
CP-126	AC-518, BC-518 & Q9-00523	2	Pin w/Roller & Nut	0	6
CP-127	Q6-00360 & Q9-00510	1	Sq. Hd. Set Screw w/Nut	0	2
CP-128	XD-607 & Q11-01000	1	Pin w/Cotters	0	2
CP-129	EC-514 & AFC-514	1	Overspeed Contact Arm w/Spring	0	7
CP-130	ABC-518	1	Pin for Link CP-131	0	1
CP-131	DC-513	1	Hinge Link	0	6
CP-132	C-1439 & C-1476	2	Plugs w/Pin for CP-137 and CP-152	0	1
CP-133	CC-513	1	Stem Connection	0	7
CP-134	C-1762, C-1763, C-1764 & Q9-00509	1	Rods w/Nut & Sliding Coupling	0	3
CP-135	HC-513	1	Rod Head	0	2
CP-136	AC-514	1	Connection Rod	0	6
CP-137	BC-514	1	Bell Crank	0	3
CP-138	XC-518	2	Pin for CP-139	0	1
CP-139	C-1608	2	Link	0	2
CP-140	BFC-518 & Q11-00840	2	Pin w/Cotter	0	1
CP-141	AGC-514	2	Link	0	1
CP-142	C-1351	1	Solenoid G. E. Complete w/Mounting (Specify Voltage & Frequency)	2	0
CP-143	C-1352	1	Solenoid Trombetta Complete w/Mounting (Specify Voltage & Frequency)	2	0
CP-144	C-1353	1 or 2	Coil G. E.(Specify Voltage & Frequency)	0	10
CP-145	C-1354	1 or 2	Coil Trombetta (Specify Volt. & Freq.)	0	10
CP-146	C-1768	1	Solenoid Hanger Pin	0	1
CP-147	FC-513	1	Terminal Board	0	1
CP-148	Q1-00002	2	Cap Screw w/Washer	0	1
CP-149	Q4-00496 & Q9-00534	1	Rd. Hd. Screw w/2 Nuts	0	1
CP-150	TC-518	1	Pin for Anchoring Spring CP-151	0	1

FRAME AND OVERSPEED SWITCH

Fig. 1 — Drg. CP-C-1836

CATALOG NO.	LOGAN DRG. NO.	QUANT. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	APPROX. NET WGT. OZ.
CP-151	Q26-03303	1	Spring for Overspeed Switch	0	1
CP-152	EC-513 & YC-514	1	Switch Bell Crank w/Flat Spring	0	5
CP-153	C-1106 & C-1107	1 set	Insulating Parts, 2 Washers & 1 Bushing	0	1
CP-154	C-1108	1	Gong Lead, 5" Long	0	1
CP-155	AFC-514	1	Spring for CP-129	0	1
CP-156	BC-513 & Q9-00512	1	Stem w/Lock Nut	0	4
CP-157	AC-513	1	Weight	3	10
CP-158	C-1321	1	Air Dash Pot, Assembled	2	2
CP-159	PC-509	1	Dash Pot	1	1½
CP-160	DS-871	2	Contact Stud, Silver w/Nuts	0	2
CP-161	AS-55	1	Cover	0	10¼
CP-162	C-1528	1	Cushion Contact Block, Silver Contacts	0	1
CP-163	BS-55	1	Piston	0	5½
CP-164	CS-55 & Q9-01156	1	Piston Rod w/Nut	0	1¼
CP-165	Q1-00004	2	Cap Screw for CP-159	0	½
CP-166	C-1255	1	Gong Trip Shaft Assembly, including Spacers CP-167 & Lever CP-172	1	4
CP-167	BAC-518	2	Spacer	0	1½
CP-168	HC-509	2	Gong Trip	0	3/4
CP-169	BS-871 & Q9-00535	1	Contact Screw, Silver, w/Nut	0	1
CP-170	CS-871, AR-294 & Q9-00535	1	Bell Contact Screw, Silver, w/Spacer & Nuts	0	1
CP-171	FC-509	1	Spring	0	½
CP-172	C-1256 & Q11-00856	2	Lever w/Taper Pin	0	2
CP-173	Q26-02770	1	Spring	0	1
CP-174	C-1531, Q1-00037, Q1-00001 & NC-518	1	Gong Post w/Cap Screw & Nut	0	2
CP-175	Q21-02752	1	Gong	0	12
			FOLLOWING FOR SERIAL NO. 5390 AND OVER		
CP-176	C-1834, C-1806	1	Stand for Ball Bearing Shafts & Teflon Dial Shaft Hubs	38	0
CP-177	C-1806	2	Teflon Dial Shaft Hub w/Screws	0	4
CP-178	C-1832 & Q1-00019	1	Inboard Bearing Block w/Cap Screws	0	3
CP-179	Q13-03347	1	Inboard Ball Bearing	0	2
CP-180	C-1831 & Q2-00251	1	Drive Shaft Hub w/Screws	1	3
CP-181	Q13-02457	2	Drive Shaft Ball Bearing	0	3
CP-182	C-1833 & C-1831	1	Gear Guard w/Hub CP-180 for Ball Bearing Drive Shaft	12	0
CP-183	C-1822, C-1831 & Q13-02457	1	Drive Shaft CP-340 w/Hub & Ball Bearing	2	4



SWITCH BOX

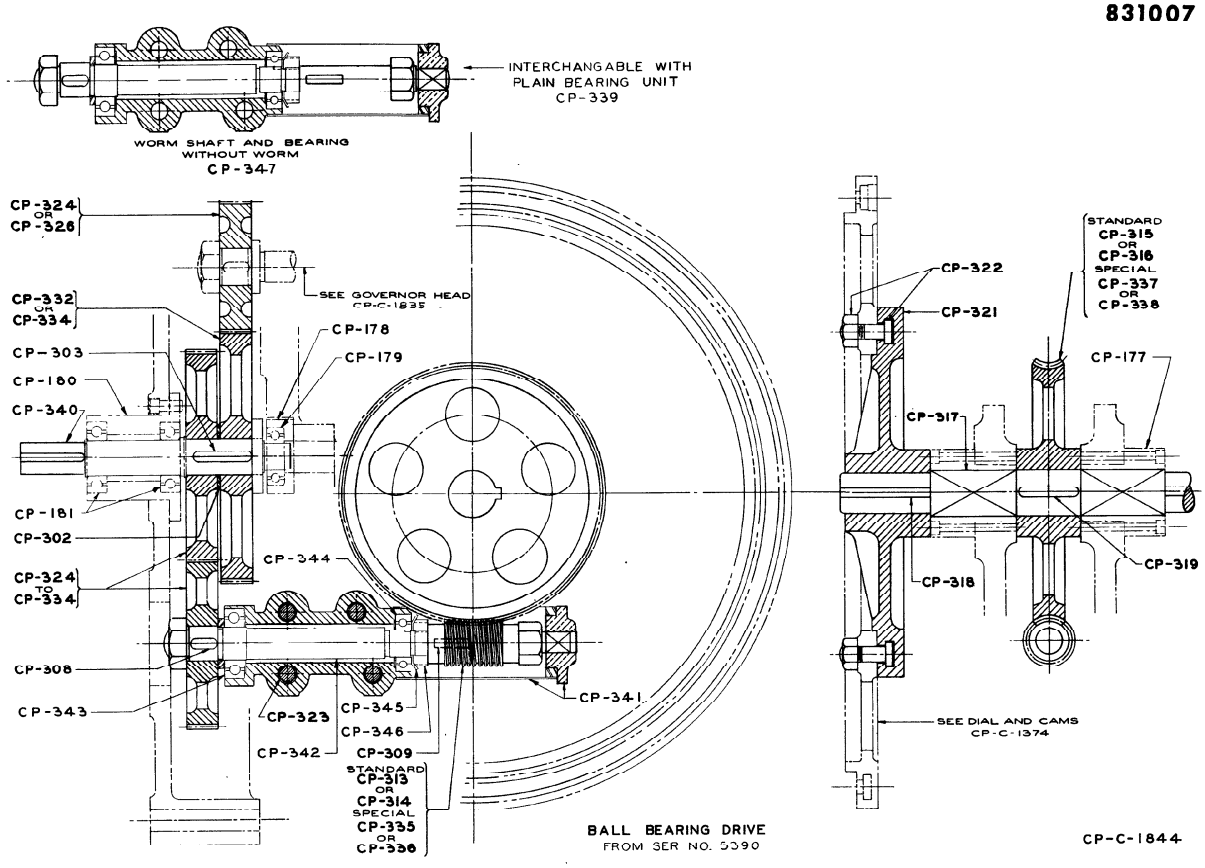
Fig. 2 — Drg. CP-C-953

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SWITCH BOX

Fig. 2 — Drg. CP-C-953

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-201	AC-508	1	Switch Box	23	12
CP-202	MC-514	2	Bracket	0	11
CP-203	C-1322	2	Limit Switch Complete, Silver Contacts	1	2
CP-204	DC-514	2	Switch Arm	4	2
CP-205	AEC-518	2	Pin for CP-204	0	1
CP-206	AEC-514	2	Spring	0	1
CP-207	C-1512 & Q 11-00840	2	Pin W/Cotter	0	1
CP-208	C-1058 & NE-102	4 sets	Insulating Parts 2 Washers & 1 Bushings per set.	0	1
CP-209	S-874A	2	Contact Block, Silver Contacts	0	1
CP-210	TC-518 & Q11-00840	2	Pin W/ Cotter	0	1
CP-211	CC-514	2	Connecting Rod for Limit Switch	0	10
CP-212	CS-871	4	Contact Screws Silver, W/ Nuts	0	1
CP-213	Q1-00003	6	Cap Screw 1/4 -20 x 3/4 lg.	0	1
CP-214	C-1323	2	Accelerating Switch Complete	0	5
CP-215	ADC-514, HC-512 & Q11-01799	(4, 8 or 12)	Insulating Block W/ Brackets, and Pins	0	1
CP-216	Q16-02451, -02471&-02450	(4, 8 or 12)	Contact Fingers, Washers, Springs and Pins	0	1
CP-217	Q4-00468 & Q9-00507	4	Machine Screws & Nuts	0	1
CP-218	C-1326	1	Accelerating Arms W/ Shaft & Roller Assembly, Right Hand	0	12
CP-219	C-1327	1	Accelerating Arms W/ Shaft & Roller Assembly, Left Hand	0	12
CP-220	YC-514 & Q11-00580	2	Spring with Rivet	0	1/2
CP-222	AHC-514, Q4-00467 & Q9-00507	2	Stop with Screw and Nut, for Switch Arm	0	1
CP-223	C-1538	2	Light Switch Arm Assembly	0	3
CP-224	KC-512, ANC-518 & Q11-00840	2	Light Switch Arms W/ Pin	0	4
CP-225	C-1768 & Q11-00840	1 or 2	Pin with Cotter	0	1
CP-226	WD-605-DS	1 or 2	Spring	0	1
CP-227	C-1324	1 or 2	Man-safety Switch Assembled	0	13
CP-228	GC-512, HC-512 & PC-512	1 or 2	Insulating Block W/ Brackets & Pins	0	11
CP-229	AWC-518 & Q9-00607	1	Cover Stud W/ Wing Nut	0	2
CP-230	LC-513, Q16-02542 & C-813	1	Cover w/Insulating Tape & Handles	2	0
CP-231	Q4-00469 & Q9-00507	2	R'd. H'd. Machine Screw W/ Nuts	0	1
CP-232	Q4-00470 & Q9-00507	2	R'd. H'd. Machine Screw W/ Nuts	0	1
CP-233	S-875-A	2	Accelerating Switch Block W/ Silver Contacts	0	1
CP-234	C-1364	1 or 2	Man Safety Switch Assembled per CP-227 except two Contact Fingers one side 1-1/8" longer	0	13
CP-235	C-1363	1 or 2	Man Safety Switch Assembled per CP-227 except four Contact Fingers 1-1/8" longer than standard	0	14
CP-236	S-644	2 or 4	Long Contact Fingers for CP-234 and CP-235, w/ Washers, Springs, Pins (Special 1-1/8" longer than standard CP-216)	0	1



DRIVE

Drg. CP-C-1844

CATALOG NO.	LOGAN DRG. NO.	QUANT. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	OZ.
	Note: For CP-176 thru CP-183 see Parts Sheet 831004, "Frames & Overspeed Switch"				
CP-302	HC-517	1	Spacing Washer	0	1
CP-303	C-1329	1	Key $\frac{1}{4}$" x $\frac{1}{4}$" x 1-3/8"	0	1
CP-308	C-1328	1	Key $\frac{1}{4}$" x $\frac{1}{4}$" x 1-7/16"	0	1
CP-309	Q12-00891	1	Woodruff Key 3/16" x 7/8"	0	1
*CP-313	D-2029	1	Single Thread Worm, R.H.	0	5
*CP-314	D-2031		Double Thread Worm, R. H.	0	5
*CP-315	C-1356	1	Worm Wheel, Single Thread, R. H.	3	2
*CP-316	C-1357		Worm Wheel, Double Thread, R. H.	3	2
CP-317	BC-517	1	Dial Shaft	2	6
CP-318	C-1330	2	Key $\frac{1}{4}$" x $\frac{1}{4}$" x 2-1/8"	0	1
CP-319	C-1329	1	Key $\frac{1}{4}$" x $\frac{1}{4}$" x 1-3/8"	0	1
CP-321	AC-503	2	Dial Spider	7	8
CP-322	EC-518 & Q9-00510	8	Bolt & Nut	0	2
CP-323	Q1-00043	4	Cap Screw 3/8-16 x 2-3/4" w/nut for CP-312	0	3
*CP-324	AC-504	Set of 4 Gears, 12 D.P. Drive Shaft to Countershaft, Drive Shaft to Worm Shaft. Each Pair Total 108 Teeth.	Spur Gear 24-T	0	9
*CP-325	BC-504		Spur Gear 30-T	0	14
*CP-326	CC-504		Spur Gear 36-T	1	2
*CP-327	DC-504		Spur Gear 42-T	1	6
*CP-328	EC-504		Spur Gear 48-T	1	8
*CP-329	FC-504		Spur Gear 54-T	1	12
*CP-330	GC-504		Spur Gear 60-T	2	0
*CP-331	HC-504		Spur Gear 66-T	2	2
*CP-332	JC-504		Spur Gear 72-T	2	8
*CP-333	KC-504		Spur Gear 78-T	2	14
*CP-334	LC-504		Spur Gear 84-T	3	2

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DRIVE

Drg. CP-C-1844

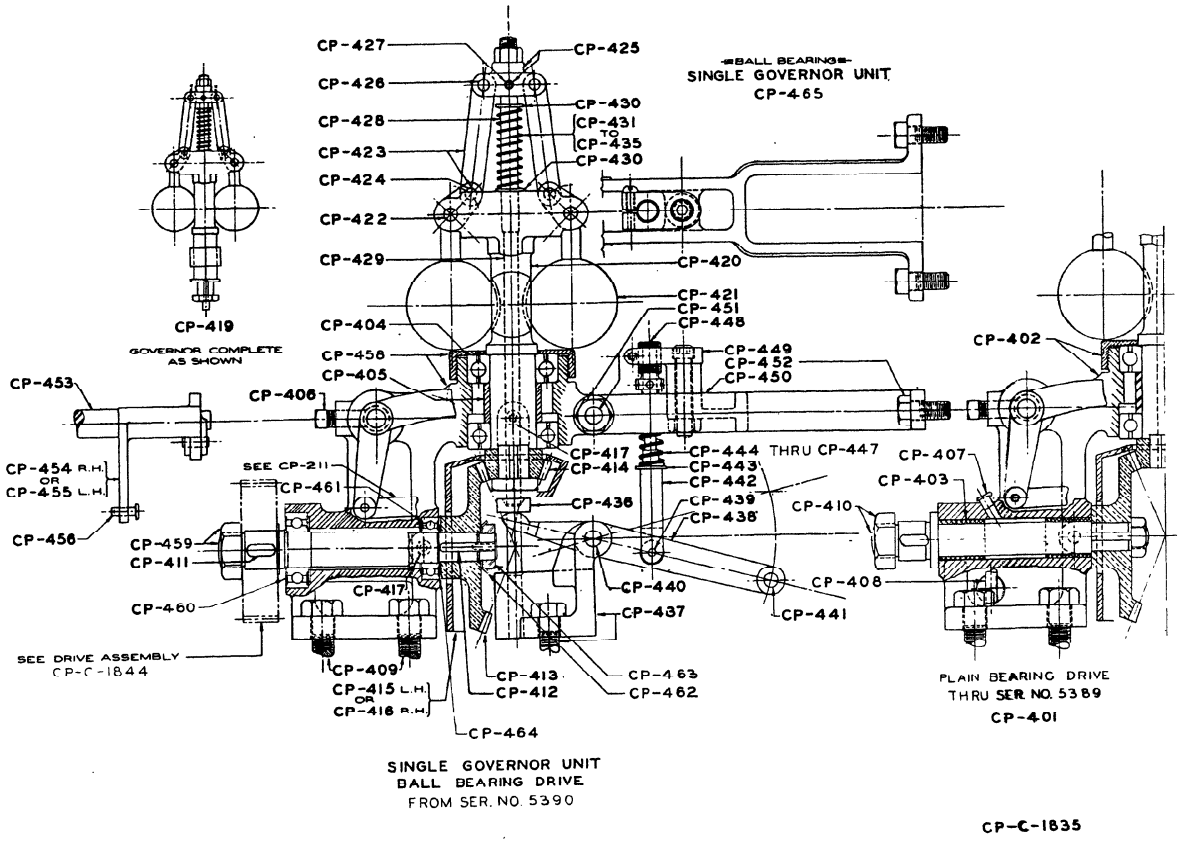
CATALOG NO.	LOGAN DRG. NO.	QUAN. REQ'D.	PART DESCRIPTION	APPROX. NET WT. LB.	OZ.
*CP-335	D-2030	1	Single Thread Worm, L.H. Special	0	5
*CP-336	D-2032	1	Double Thread Worm, L.H. Special	0	5
*CP-337	C-1397	1	Worm Wheel, Single Thread, L.H. Special	3	2
*CP-338	C-1398	1	Worm Wheel, Double Thread, L.H. Special	3	2
CP-340	C-1822, RC-517 Q15-00932, Q15-02477	1	Drive Shaft w/Ring Nut, Snap Rings	1	3
CP-341	C-1804, C-602 Q4-00495	1	Worm Housing w/End Bearing & Screws	1	2
CP-342	C-1803, C-1825, C-631 UC-517, Q9-03399, Q10-03350	1	Worm Shaft w/Spacer, Nuts, & Lock Washer	1	4
CP-343	Q13-02457	1	Ball Bearing, Drive End Worm Shaft	0	3
CP-344	Q13-03347	1	Ball Bearing, Worm End Worm Shaft	0	2
CP-345	Q10-03350	1	Bearing Lock Washer	0	1
CP-346	Q9-03349	1	Bearing Lock Nut	0	1
CP-347	C-1802	1	Worm Shaft & Housing Assembly, without Worm	3	3

*Indicates that the Part is Subject to Variations.

GEAR COMBINATION FOR MODEL "C" CONTROLLER

The Worm Wheel has 144 Teeth, and it and the Worm are Single-Threaded where Man-Safety Equipment is not used, and Double-Threaded for standard Man-Safety. Long Range or Long Range Man-Safety is Single Threaded. The Worm and Worm Wheel are R. H. Thread unless otherwise specified.

COMBINATION NO.	GOVERNOR SHAFT	TEETH	DRIVE SHAFT	TEETH	DRIVE SHAFT	TEETH	WORM SHAFT	TEETH
00	CP-326	36	CP-332	72	CP-334	84	CP-324	24
0	CP-326	36	CP-332	72	CP-333	78	CP-325	30
1	CP-326	36	CP-332	72	CP-332	72	CP-326	36
2	CP-326	36	CP-332	72	CP-331	66	CP-327	42
3	CP-326	36	CP-332	72	CP-330	60	CP-328	48
4	CP-326	36	CP-332	72	CP-329	54	CP-329	54
5	CP-326	36	CP-332	72	CP-328	48	CP-330	60
6	CP-326	36	CP-332	72	CP-327	42	CP-331	66
7	CP-326	36	CP-332	72	CP-326	36	CP-332	72
8	CP-326	36	CP-332	72	CP-325	30	CP-333	78
9	CP-326	36	CP-332	72	CP-324	24	CP-334	84
10	CP-324	24	CP-334	84	CP-325	30	CP-333	78
11	CP-324	24	CP-334	84	CP-324	24	CP-334	84
SPECIAL	Largest	40	Largest	84	Largest	86	Largest	86



BALL BEARING

SINGLE GOVERNOR UNIT

Fig. 4 — Drg. CP-C-1835

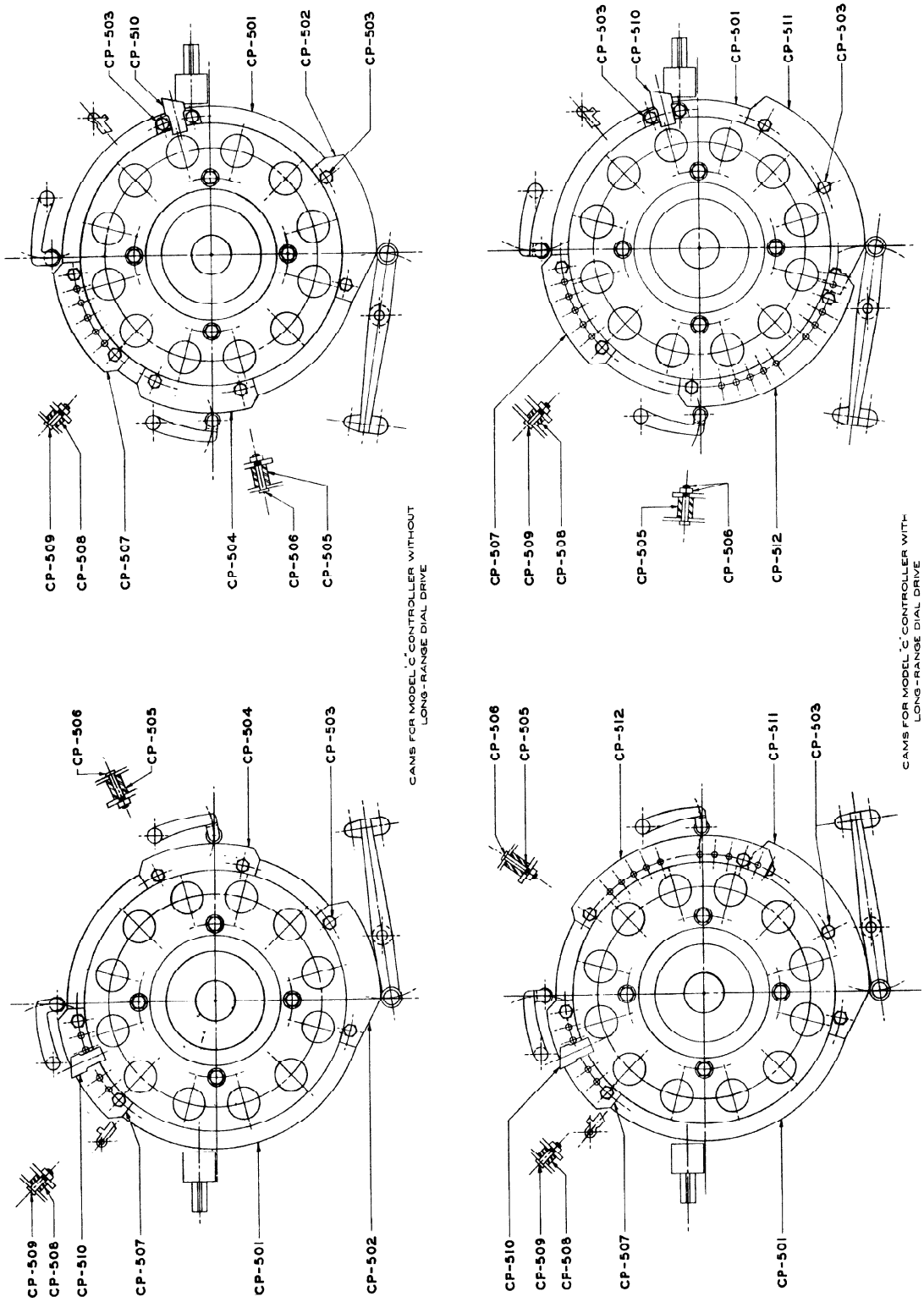
CATALOG NO.	LOGAN DRG. NO.	QUANT. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	APPROX. NET WGT. OZ.
CP-401	C-1479	1	Governor Unit Complete w/Shaft & Bevel Gears, Speed Adjustment, Support Bracket, Rocker Arm, Housing w/Shaft Bushings, Governor Ball Bearings Only, Gear Guards, without Spur Gear	24	0
CP-402	C-948	1	Governor Housing w/Bushings & Cap Nut	7	13
CP-403	Q14-00617	2	Oilite Bushing, 0.754 I.D., .879 O.D., 1.000 Lg.		1/4
CP-404	C-1272, Q13-02461	2	Ball Bearing	0	5
CP-405	C-1483	1	Steel Separator Collar	0	2
CP-406	Q6-01262	2	Set Screw, Sq. Hd., 3/8-16 x 5/8"	0	1
CP-407	Q19-02343	2	Oil Cup	0	1
CP-408	C-606, Q19-02343, Q4-00492	1	Oil Tube w/Oil Cup, Clip & Rd. Hd. Screw	0	3
CP-409	Q1-00066	4	Cap Screw, 1/2-13 x 1" Lg.	0	1
CP-410	JC-517, UC-517, Q9-00533	1	Governor Drive Shaft w/Nuts	0	10
CP-411	C-1331	1	Key, 1/4"x 1/4" x 5/8"	0	1
CP-412	C-1332	1	Key, 3/16" x 3/16" x 13/16"	0	1
CP-413	NC-504	1	Bevel Gear, 45T, 12 P.	0	4
CP-414	MC-504	1	Bevel Pinion, 18T., 12P.	0	4
CP-415	AC-950	1	Bevel Gear Guard, L.H.	0	14
CP-416	BC-950	1	Bevel Gear Guard, R.H.	0	14
CP-417	Q1-00002	4	Cap Screw, 1/4-20 x 5/8" Lg. for Gear Guards	0	1/2
CP-419	C-1529	1	Governor Complete w/Bushing CP-405, w/o Bearings	9	0
CP-420	C-1480, NC-501	1	Governor Head w/Nut	1	6 1/2

BALL BEARING

SINGLE GOVERNOR UNIT

Fig. 4 — Drg. CP-C-1835

CATALOG NO.	LOGAN DRG. NO.	QUANT. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	OZ.
CP-421	OC-501	Pr.	Governor Weight and Arm	1	6
CP-422	MC-501, Q11-00845	2	Governor Arm Pin w/Cotters	0	1/4
CP-423	S-795, KC-501	2	Link w/Pin	0	1 1/2
CP-424	KC-501	2	Pin	0	1/4
CP-425	S-747, FD-607	1	Crosshead w/Set Screws	0	2
CP-426	S-766, Q11-00840	2	Pin w/Cotters	0	1/2
CP-427	FD-607	2	Set Screw	0	1/4
CP-428	C-977, Q9-00531	1	Governor Plunger w/Nut	0	4 1/2
CP-429	GC-501	1	Thrust Rod	0	2
CP-430	PC-501	2	Washer	0	1/4
CP-431	S-794	1	Governor Spring .075" Dia. Wire (Black End)	0	1
CP-432	S-794		Governor Spring .080" Dia. Wire (Blue End)	0	1
CP-433	S-794		Governor Spring .084" Dia. Wire (Yellow End)	0	1
CP-434	S-794		Governor Spring .090" Dia. Wire (Green End)	0	1
CP-435	S-794		Governor Spring .095" Dia. Wire (Red End)	0	1
CP-436	WC-518	1	Governor Stem	0	2
CP-437	C-1259, Q1-00050, Q11-01263	1	Bracket w/Cap Screws & Dowel Pins	1	12
CP-438	C-974	1	Governor Rocker Arm	0	10
CP-439	BDD-607, Q11-00840	1	Pin w/Cotters for CP-438	0	1
CP-440	C-1257	1	Pin for CP-438	0	2
CP-441	MC-518, Q11-00846	1	Pin w/Cotters for CP-438	0	2
CP-442	C-975	1	Adjusting Rod	0	2 1/2
CP-443	S-760	1	Washer	0	1
CP-444	QC-501	1	Adj. Spring .072" Dia. Wire (Brown End)	0	1
CP-445	QC-501		Adj. Spring .079" Dia. Wire (Maroon End)	0	1
CP-446	QC-501		Adj. Spring .085" Dia. Wire (Grey End)	0	1
CP-447	QC-501		Adj. Spring .090" Dia. Wire (Orange End)	0	1
CP-448	S-772	1	Adjusting Screw	0	1 1/2
CP-449	C-973	1	Adjustment Bracket w/Cap Screws & Nut	0	4
CP-450	C-949, Q1-00040	1	Supporting Bracket w/Cap Screws	1	8
CP-451	Q1-00040, Q9-00510	1	Cap Screw 3/8-16 x 2" Lg. w/Nut	0	1 1/2
CP-452	Q1-00035	2	Cap Screw 3/8-16 x 7/8" Lg.	0	1
CP-453	LC-517, Q11-00846	1	Shaft w/Cotters	0	11
CP-454	AC-511, QC-518, SD-607	1	Limit Switch Roller Arm w/Roller & Pin, R. H.	0	7
CP-455	KC-511, QC-518, SD-607	1	Limit Switch Roller Arm w/Roller & Pin, L. H.	0	7
CP-456	TC-518, Q11-00840	2	Pin w/Cotter	0	1
CP-457	C-1529, C-1483	1	Governor Head w/Spacer (See CP-419)	9	0
	FOLLOWING FOR SERIAL NUMBERS 5390 AND OVER				
CP-458	C-1815, S-730	1	Governor Housing w/Cap Nut (For Ball Bearing Drive Shaft)	8	0
CP-459	C-1821, UC-517, Q9-00752, Q10-00567, Q15-02477	1	Governor Drive Shaft w/Nuts, Snap Ring, & Lock Washer	0	11
CP-460	Q13-02457	1	Ball Bearing, Drive End	0	3
CP-461	Q13-03347	1	Ball Bearing, Governor End	0	2
CP-462	Q10-00567	1	Lock Washer, W-02	0	1
CP-463	Q9-00752	1	Nut, N-02	0	1
CP-464	Q10-03348	5-10	Shim, .003"	0	1
CP-465	C-1835	1	Governor Unit w/Shaft, Bevel Gears, Speed Adj, Support Bracket, Rocker Arm, Housing w/Guards, Ball Bearings, w/o Spur Gears	25	0



DIAL AND CAMS

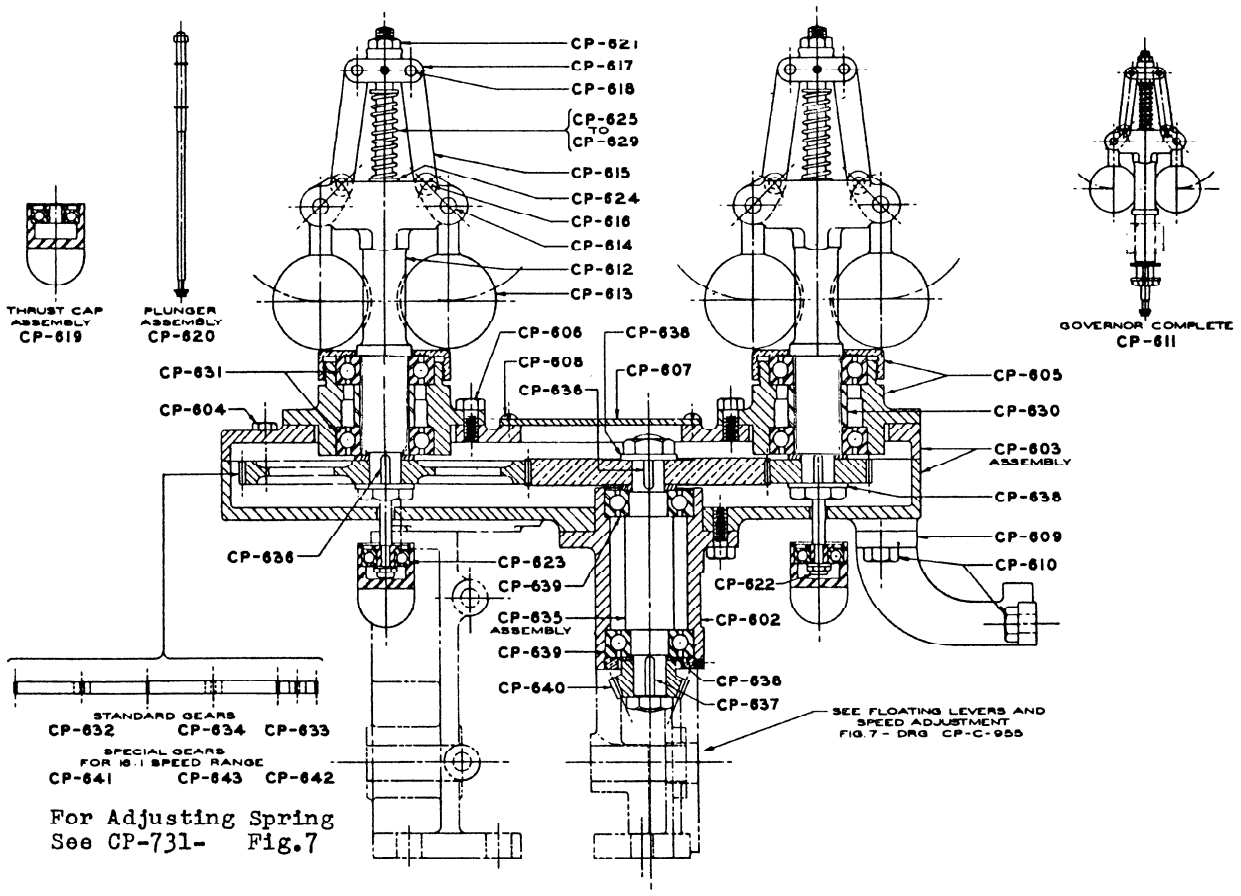
Fig. 5 — Drg. CP-C-1374

DIAL AND CAMS

Fig. 5 — Drg. CP-C-1374

Catalog No.	Logan Drg. No.	Quan. Req'd. St'd.*	Quan. Req'd. L.R.*	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Approx. Net. Wgt. Oz.
CP-501	AC-502	2	2	Cam Dial	11	0
CP-502	CC-516	2	0	Retarding Cam	1	2
CP-503	HC-518 & Q9-00509	8	10	Bolt and Nut	0	1
CP-504	BC-516	2	0	Accelerating Cam	0	8
CP-505	GC-518	4	6	Distance Piece, 1-1/16 long	0	2
CP-506	FC-518 & Q9-00509	4	6	Bolt and Nut	0	2
CP-507	AC-516	2	2	Limit Cam	0	8
CP-508	KC-518	4	4	Distance Piece, 9/16 long	0	1
CP-509	JC-518 & Q9-00509	4	4	Bolt and Nut	0	1
CP-510	DC-516	2	2	Bell Cam	0	5
CP-511	C-1261	0	2	Retarding Cam, 9-1/4 long	2	4
CP-512	C-1260	0	2	Accelerating Cam, 9-1/4 long	1	12

*St'd. - Cams Required for Standard Controllers.
L.R. - Cams Required for Controllers W/ Long-Range Dial Drive.



DUPLEX GOVERNOR HEAD

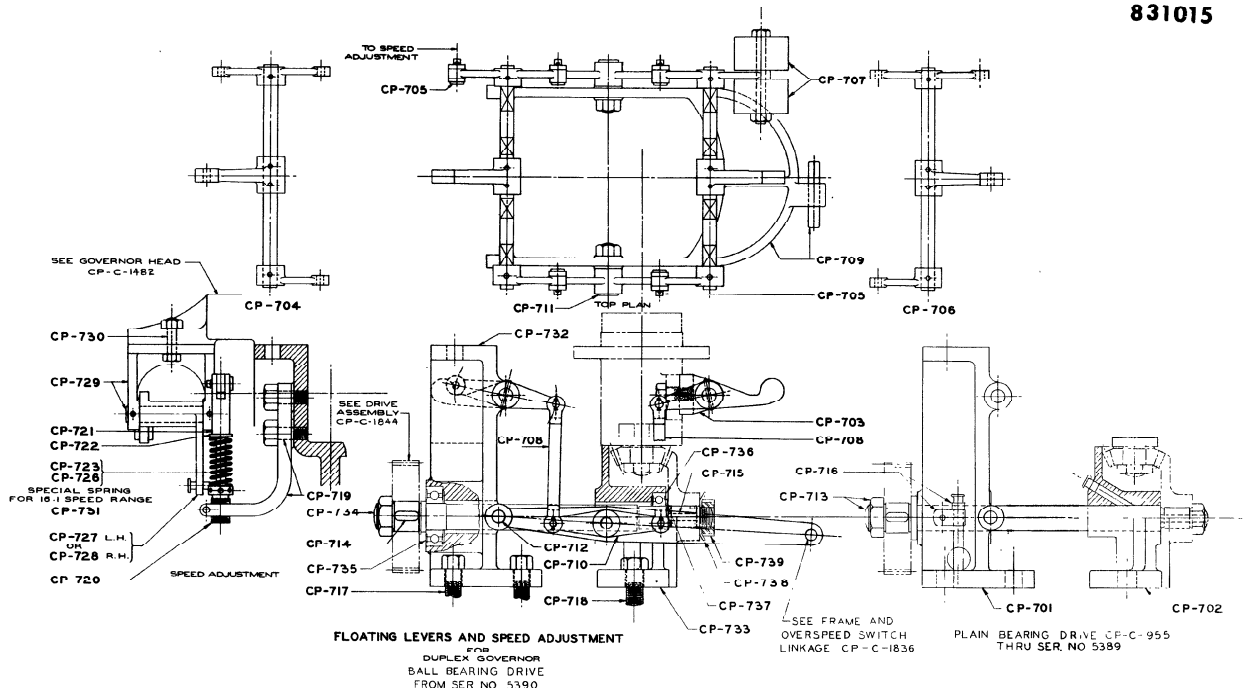
Fig. 6 — Drg. CP-C-1482

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-601	C-1482	1	Duplex Head Complete W/ Supports, Bearing Brackets, Floating Levers and Speed Adjustment Drg. CP-C-955. **Ball bearings only in Governor Heads See CP-645 for full ball bearing unit.**	69	4
CP-602	C-591, S-731, FD-607 & Q1-00018	1	Bearing Housing W/ Ring Nut, Cap Screws & Lockscrew	2	3
CP-603	C-587, C-588 & Q1-00005	1	Gear Case, 2 Piece W/ 8 Cap Screws	19	6-1/2
CP-604	Q1-00005	8	Cap Screw 1/4 - 20 x 1 lg.	0	1/2
CP-605	C-589, S-730 & Q1-00018	2	Bearing Housing W/ Cap Nut and 4 Cap Screws	3	2
CP-606	Q1-00018	6	Cap Screw 5/16 - 18 x 3/4 lg.	0	1/2
CP-607	S-767	1	Cover	0	11
CP-608	Q1-00465	8	Rd. Hd. Screw for Cover CP-607	0	1/4
CP-609	S-743 & Q1-00035	1	Support Bracket W/ 4 Cap Screws	1	6
CP-610	Q1-00035	4	Cap Screw 3/8 - 16 x 7/8 lg.	0	3/4
CP-611	C-1530	2	Governor Complete W/ Plunger Assembly	9	0
CP-612	C-1480 & NC-501	2	Governor Head with Nut	1	6-1/2
CP-613	OC-501	2 Pr.	Governor Ball and Arm	1	6
CP-614	MC-501 & Q1-00845	4	Governor Arm Pin w/cotters	0	1/4

DUPLEX GOVERNOR HEAD

Fig. 6 — Drg. CP-C-956

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb	Oz.
CP-615	S-795 & KC-501	4	Link with Pin	0	1-1/2
CP-616	KC-501	4	Pin	0	1/4
CP-617	S-747 & FD-607	2	Crosshead with Set Screw	0	2
CP-618	S-766 & Q11-00840	4	Pin with Cotters	0	1/2
CP-619	S-768, Q13-02489 S-761 & S-770	2	Thrust Cap, Bearing, Retaining Spring and Bushing	0	12
CP-620	S-769, S-751, PC-501, S-771, Q9-00531 & Q9-01156	2	Governor Plunger, Thrust Rod, Nuts, and Washers	0	5-1/4
CP-621	Q9-00531	2	Nut 3/8" - 24	0	1/2
CP-622	Q9-01156	2	E.S.A. Nut 1/4" - 28	0	1/4
CP-623	Q13-02459	2	Ball Bearing	0	2
CP-624	PC-501	4	Washer	0	1/4
CP-625	S-794	1 Interchangeable	Governor Spring .075" Dia. Wire (Black End)	0	1
CP-626	S-794		Governor Spring .082" Dia. Wire (Blue End)	0	1
CP-627	S-794		Governor Spring .085" Dia. Wire (Yellow End)	0	1
CP-628	S-794		Governor Spring .065" x .108" Wire (Green End)	0	1
CP-629	S-794		Governor Spring .070" x .115" Wire (Red End)	0	1
CP-630	C-1483	2	Steel Bushing	0	6
CP-631	Q13-02461	4	Ball Bearing	0	5
CP-632	S-763	1	96-T Gear	1	12
CP-633	S-764	1	34-T Gear	0	7
CP-634	S-762	1	80-T Bakelite Gear	0	8
CP-635	S-748, NC-501 S-816, S-817 & S-750	1	Shaft with Nuts, Keys & Washers	0	15
CP-636	S-816	3	Key 3/16" x 5/32" x 1/2"	0	1/4
CP-637	S-817	1	Key 3/16" x 5/32" x 11/16"	0	1/4
CP-638	S-750	7	Washer	0	1/4
CP-639	Q13-02460	2	Ball Bearing	0	4
CP-640	MC-504	1	Bevel Pinion 18-T 12-P	0	3-1/2
			Special Gears For 16:1 Speed Range		
CP-641	BC-1232	1	88-T Gear	1	6
CP-642	CC-1232	1	26-T Gear	0	5
CP-643	AC-1232	1	88-T Gear	0	10
CP-645	**C-1482 C-1845**	1	**As per CP-601 except full ball bearing shafts.**		



FLOATING LEVERS AND SPEED ADJUSTMENT FOR DUPLEX GOVERNOR

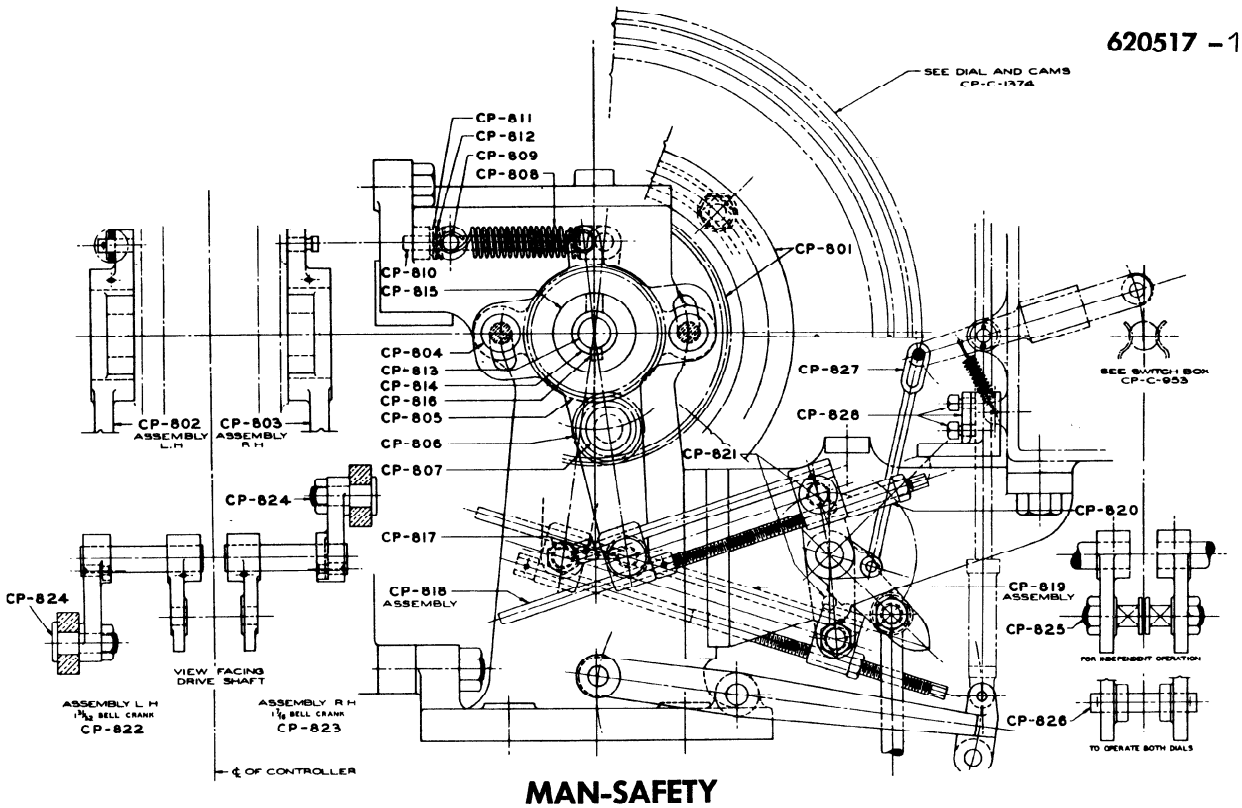
Fig.7–Dwg. CP-C-1845

CATALOG NO.	LOGAN DRG. NO.	QUANT. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	OZ.
CP-701	C-592, C-606, Q20-02731 & Q1-00066	1	Support w/Oil Tube, Gits Oil Cup, Clip & Screws	6	10
CP-702	C-593, Q11-00627 Q1-00051	1	Support w/Gits Oil Cups & Screws	3	4
CP-703	S-725 & Q1-00034	1	Bearing w/Cap Screws	0	13
CP-704	C-1335	1	Shaft w/Fingers, Arm & Lever, Assembled	0	11
CP-705	PC-518 & Q11-00840	9	Pin w/Cotter	0	$\frac{1}{4}$
CP-706	C-1336	1	Shaft w/Finger, Arm & Lever, Assembled	0	11
CP-707	C-1292, Q1-00011 &	2	Weight w/Cap Screw & Nut	1	2
CP-708	S-727	4	Rod	0	2
CP-709	C-594 & MC-518	1	Governor Yoke w/Pin	2	0
CP-710	S-726	2	Floating Lever	0	3
CP-711	S-740 & Q9-00509	2	Pin w/Nut	0	$1\frac{1}{2}$
CP-712	S-742	2	Pin	0	$\frac{1}{2}$
CP-713	S-765, Q9-00526 & Q9-00533	1	Governor Drive Shaft w/Nuts & Keys	1	3
CP-714	C-1331	1	Key, $\frac{1}{4}$" x $\frac{1}{4}$" x 5/8"	0	$\frac{1}{2}$
CP-715	C-1332	1	Key, 3/16" x 3/16" x 13/16"	0	$\frac{1}{2}$
CP-716	C-606, Q20-02731, Q19-02343, Q4-00492	1	Oil Tube w/Oil Cup, Clip & Screw	0	3
CP-717	Q1-00066	4	Cap Screw, $\frac{1}{2}$"-13 x 1" Lg.	0	$1\frac{1}{2}$
CP-718	Q1-00051	2	Cap Screw, 7/16"-14 x 1" Lg.	0	1
CP-719	S-774, Q1-00019 & Q4-00468	1	Adjusting Bracket w/2 Cap Screws & 1 Rd. Hd. Screw	0	8
CP-720	S-772	1	Adjusting Screw	0	$\frac{1}{2}$
CP-721	S-773	1	Adjusting Rod	0	2
CP-722	S-760	1	Washer	0	$\frac{1}{4}$
CP-723	QC-501	1 Inter Changeable	Spring .072" Dia. Wire (Brown End)	0	1
CP-724	QC-501		Spring .079" Dia. Wire (Maroon End)	0	1
CP-725	QC-501		Spring .085" Dia. Wire (Grey End)	0	1
CP-726	QC-501		Spring .090" Dia. Wire (Orange End)	0	1
CP-727	KC-511, QC-518 & SD-607	1	Limit Switch Roller Arm w/Roller & Pin, L. H.	0	7
CP-728	AC-511, QC-518 & SD-607	1	Limit Switch Roller Arm w/Roller & Pin, R. H.	0	7

FLOATING LEVERS AND SPEED ADJUSTMENT FOR DUPLEX GOVERNOR

Fig.7–Dwg. CP-C-1845

CATALOG NO.	LOGAN DRG. NO.	QUANT. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	OZ.
CP-729	S-735 & S736	2	Bracket w/2 Dog Point Set Screws & Pin	0	12
CP-730	Q1-00005, Q10-00549, & Q9-00508	4	Cap Screws ¼"-20 x 1" Lg. for CP-729 w/Lock Washer & Nut	0	1
	SPECIAL SPRING FOR 16:1 SPEED RANGE				
CP-731	C-1379	1	Spring .114" Dia. Wire	0	1
	FOLLOWING FOR SERIAL NUMBERS 5390 AND OVER				
CP-732	C-1813, Q1-00066	1	Support w/Cap Screws	6	9
CP-733	C-1814, Q1-00051	1	Support w/Cap Screws	3	3
CP-734	C-1823, Q9-00526 Q15-02477, Q9-00752, & Q10-00567	1	Governor Drive Shaft w/Nuts, Keys Snap Ring & Lock Washer	1	4
CP-735	Q13-02457	1	Ball Bearing	0	3
CP-736	Q13-03347	1	Ball Bearing	0	2
CP-737	Q10-03348	5-10	Shim, .003"	0	1
CP-738	Q10-00567	1	Lock Washer, W-02	0	1
CP-739	Q9-00752	1	Nut, N-02	0	1



MAN-SAFETY

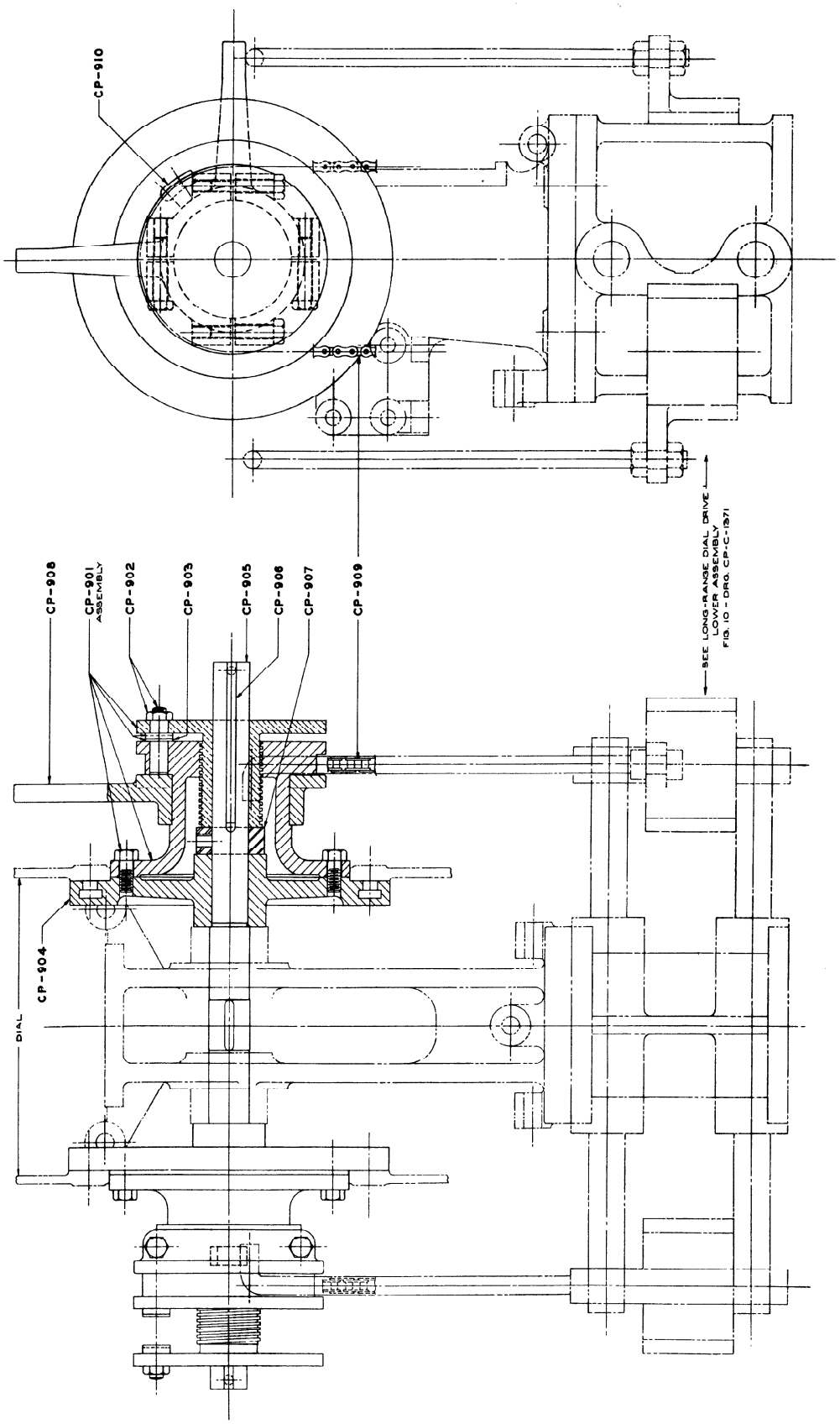
Fig. 8 — Drg. CP-C-1315

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-801	BC-503	2	Spider W/ Internal Gear	8	14
CP-802	JC-512, BCC-518 & NC-518	1	Dial Advancing Arm L.H. W/ Pin & Washer	4	0
CP-803	JC-512 & ASC-518	1	Dial Advancing Arm R.H. W/ Pin	4	0
CP-804	AHC-518 & Q9-00523	4	Pin W/ Nut	0	3
CP-805	QC-504	2	Gear 36-T 12-P	1	0
CP-806	RC-504	2	Pinion 18-T 12-P	0	4
CP-807	AJC-518 & Q9-00512	2	Pin and Nut for Pinion	0	4
CP-808	RC-512	1	Spring, R.H. Side, Tension	0	2
CP-809	ATC-518	1	Pin for CP-808	0	1
CP-810	SC-512	1	Spring Rod	0	3
CP-811	AXC-518	1	Collar	0	1
CP-812	QC-512	1	Spring, L.H. Side, Compression	0	2
CP-813	Q19-00611	2	Grease Cups for CP-814	0	2
CP-814	AC-517	1	Dial Shaft for Man-Safety	3	0
CP-815	SC-517 & Q6-00317	2	Collar with Set Screw, for CP-814	0	7
CP-816	C-1339	2	Key 1/4" x 1/4 x 11/16 for CP-805	0	2
CP-817	AKC-518 & Q9-00523	2	Pin and Nut, for Lower End of CP-802 and CP-803	0	3
CP-818	C-1305	1	Adjustable Push Rod Assembly	0	12
CP-819	C-1306	1	Adjustable Pull Rod Assembly	0	11
CP-820	C-1313	1	Sleeve	0	2
CP-821	AUC-518	2	Pin	0	2
CP-822	AC-1316	1	Dial Advancing, Left Hand Assembly Comp.	1	2
CP-823	BC-1316	1	Dial Advancing, Right Hand Assembly Complete	1	2
CP-824	ALC-518 & Q9-00523	2	Pin and Nut for CP-818 and CP-819	0	2
CP-825	AMC-518 & Q9-00523	2	Pin and Nut for Separate Connection	0	2
CP-826	ARC-518 & Q11-01000	1	Pin and Cotters, Used in Place of CP-825 Single Connection.	0	2

MAN-SAFETY

Fig. 8 — Drg. CP-C-1315

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-827	LC-512	2	Light Switch Connecting Rod	0	2
CP-828	DC-512 & Q6-00330	1	Tappet W/ 2 Sq. Hd. Set Screws	0	7-1/2



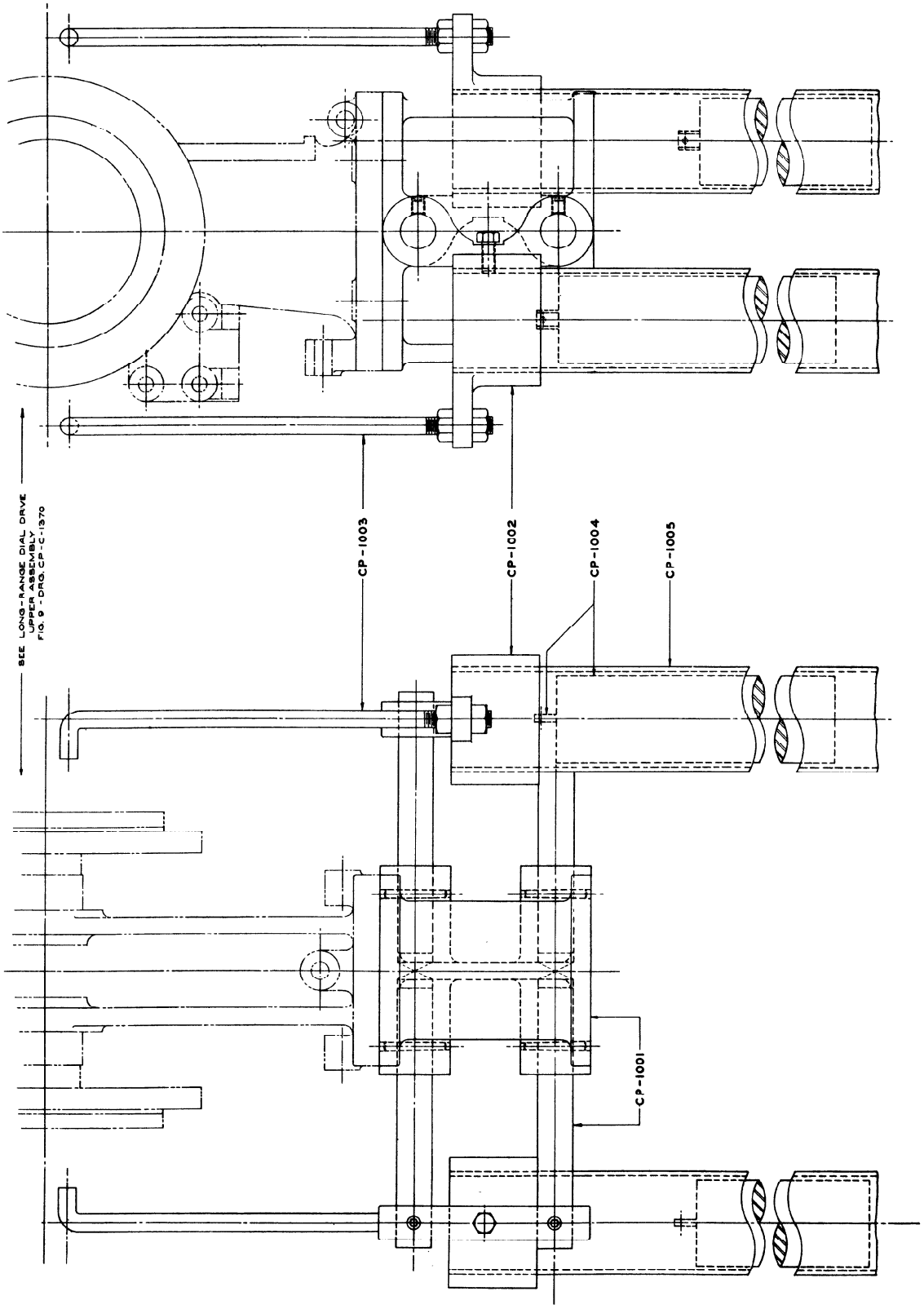
LONG-RANGE DIAL DRIVE — UPPER ASSEMBLY

Fig. 9 — Drg. CP-C-1370

LONG-RANGE DIAL DRIVE
— UPPER ASSEMBLY

Fig. 9 — Drg. CP-C-1370

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-901	C-1341	2	Housing W/ Flanged Sleeve, Driving Dogs, Nut and Cap Screws	13	2
CP-902	SC-711 & Q9-00531	2	Driving Dog W/ Nut	0	1
CP-903	SC-712	2	Driving Dog	0	1
CP-904	SC-705	2	Spider	10	0
CP-905	SC-709 & SC-710	1	Shaft W/ Keys	5	0
CP-906	SC-710	2	Key	0	2
CP-907	SC-517	2	Collar	0	7
CP-908	SC-708, SC-713 & Q1-00039	2	Stop Finger W/ Chain Anchor and Cap Screws	4	12
CP-909	SC-754	2	Roller Chain W/ 2 Connecting Links	0	8
CP-910	SC-713	2	Chain Anchor	0	1/4



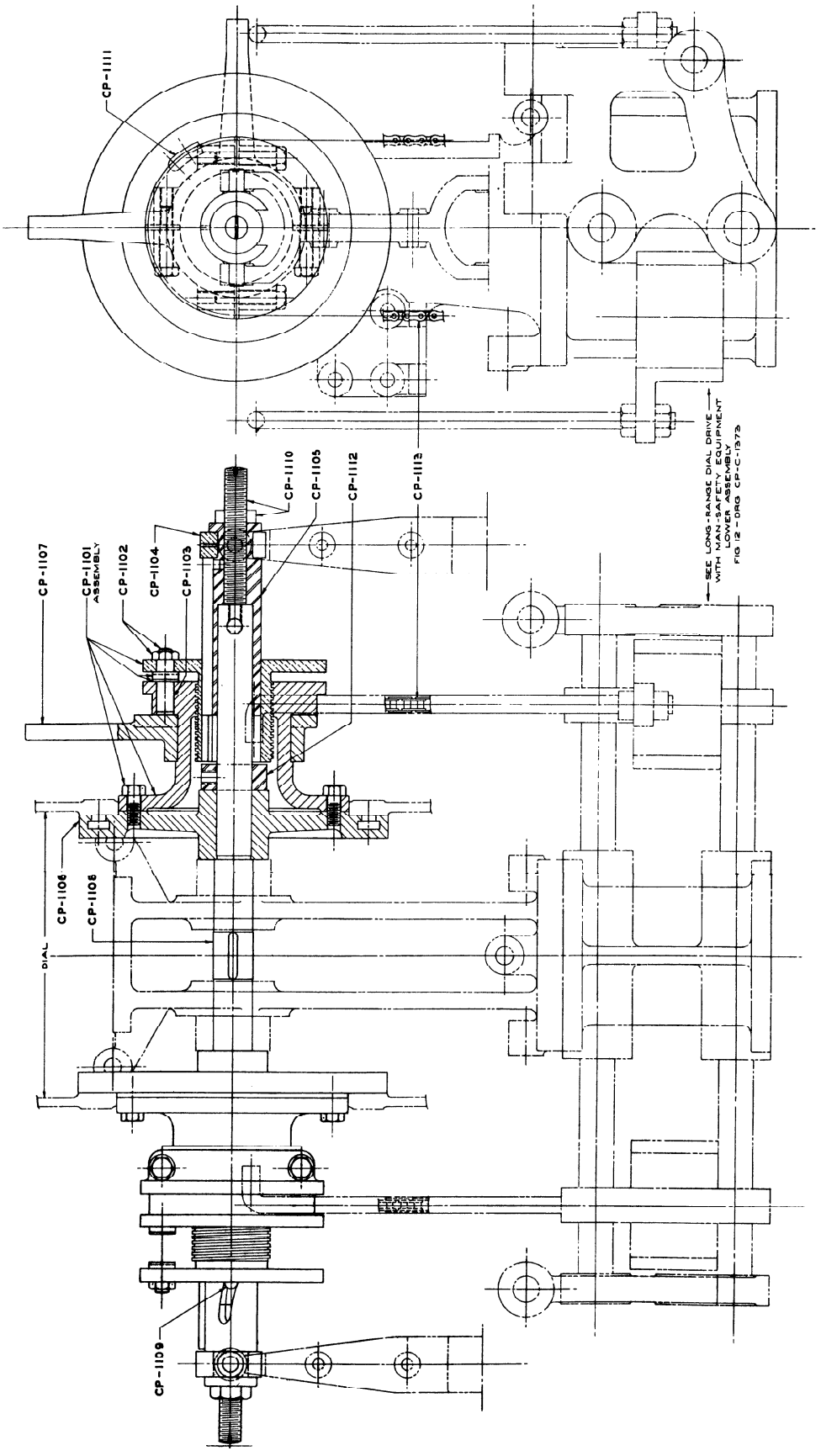
LONG-RANGE DIAL DRIVE —LOWER ASSEMBLY

Fig. 10 — Drg. CP-C-1371

LONG-RANGE DIAL DRIVE — LOWER ASSEMBLY

Fig. 10 — Drg. CP-C-1371

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-1001	SC-703 & SC-742	1	Base W/ 4 Frame Studs and Taper Pins	37	0
CP-1002	C-1732 & Q1-00035	2	Bracket W/ Set Screws	5	3
CP-1003	SC-714 & Q9-00727	2	Arm Rest W/ Nuts	0	13
CP-1004	SC-715 & SC-752	2	Weight W/ Stud	12	2
CP-1005	SC-746	2	Weight Guard	6	12



LONG-RANGE DIAL DRIVE WITH MAN-SAFETY EQUIPMENT — UPPER ASSEMBLY

Fig. 11 — Drg. CP-C-1372

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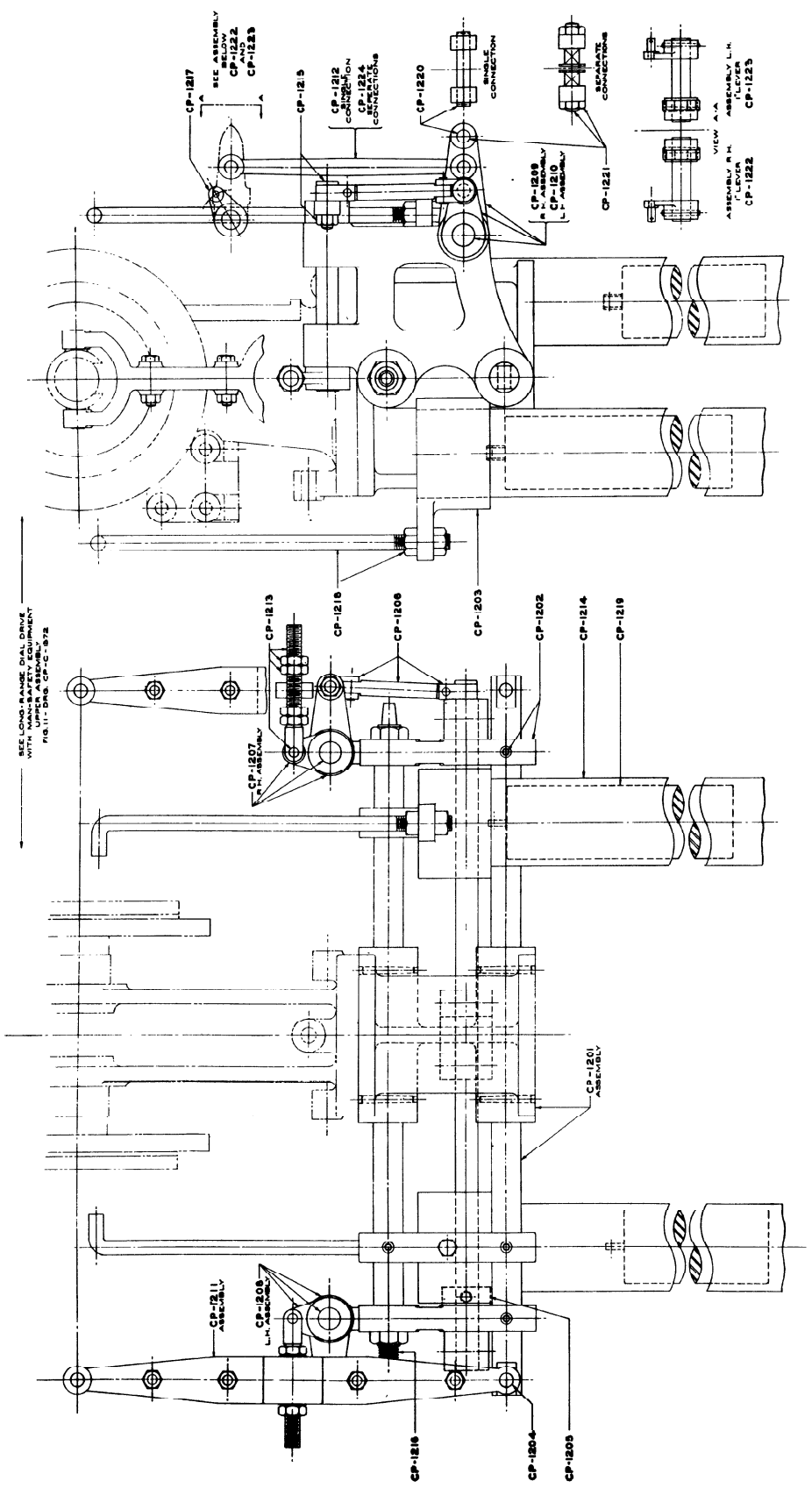
LONG-RANGE DIAL DRIVE WITH MAN-SAFETY EQUIPMENT — UPPER ASSEMBLY

Fig. 11 — Drg. CP-C-1372

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-1101	C-1343	2	Housing W/ Flanged Sleeve, Driving Dogs, Nut and Cap Screws	13	2
CP-1102	SC-711 & Q9-00531	2	Driving Dog W/ Nut	0	1
CP-1103	SC-712	2	Driving Dog	0	1
CP-1104	SC-726	2	Trunnion Collar	0	8
*CP-1105	C-1101 & SC-743	2	Sleeve W/ Key and Rivets	1	6
CP-1106	SC-705	2	Spider	10	0
CP-1107	SC-708 & SC-713	2	Stop Finger W/ Cap Screws and Chain Anchor	4	12
CP-1108	C-1376, Q6-00317 & C-1329	1	Shaft W/ Set Screw & Key # Formerly was SC-709 M.S.	4	11
CP-1109	SC-736	2	Drive Pin for Shaft CP-1108	0	1
CP-1110	SC-775 & Q9-00525	2	Stop Screw W/ Jam Nut	0	5
CP-1111	SC-713	2	Chain Anchor	0	1/4
CP-1112	SC-517 & Q6-00318	2	Collar W/ Set Screw	0	7
CP-1113	SC-754	2	Roller Chain W/ 2 Connecting Links	0	8
*CP-1114	SC-735 & SC-743	2	Sleeve W/ Key and Rivets	1	6

* 45° Slot Rotation Standard. (See Note)
90° Slot Rotation is now Special. If Required order CP-1114.

Note: 45° Slot Rotation Standard First Used on Serial #3668, 69, 3696, 3700, -01, -04, -05, -09, -10, 3714, -15.)



CP-C-1373

LONG-RANGE DIAL DRIVE WITH MAN-SAFETY EQUIPMENT — LOWER ASSEMBLY

Fig. 12 — Drg. CP-C-1373

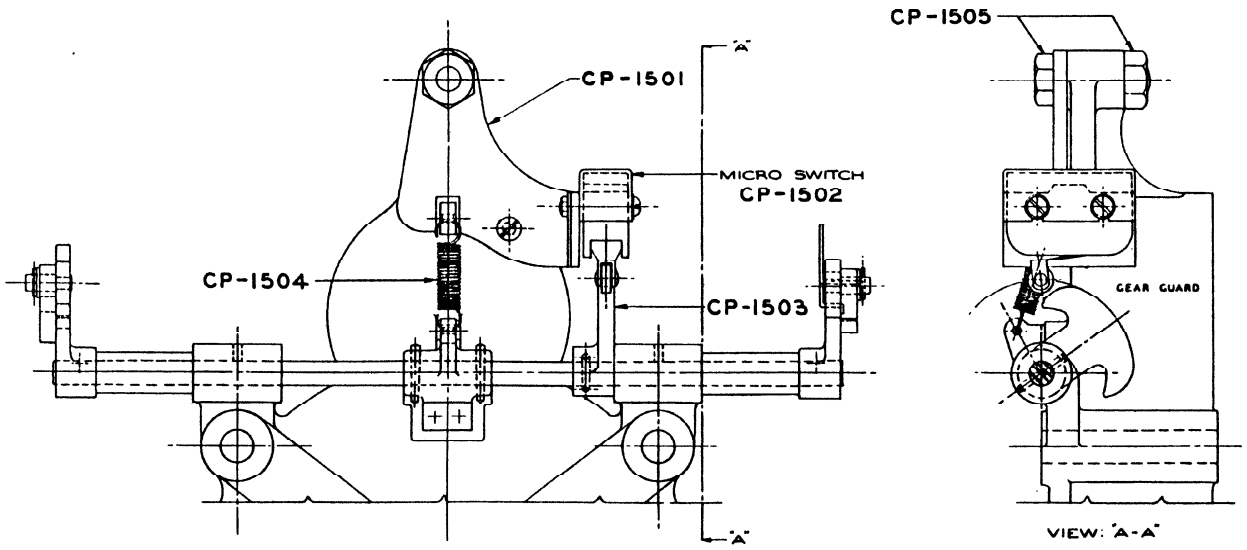
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LONG-RANGE DIAL DRIVE WITH MAN-SAFETY EQUIPMENT — LOWER ASSEMBLY

Fig. 12 — Drg. CP-C-1373

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-1201	SC-703, SC-733 & SC-734	1	Base W/ 4 Frame Studs & Taper Pins	37	0
CP-1202	SC-719 & Q6-00321	2	Bracket W/ Set Screws	6	8
CP-1203	C-1732 & Q6-00321	2	Bracket W/ Set Screws	5	13
CP-1204	SC-738 & Q11-00846	2	Pin W/ Cotters	0	1
CP-1205	GE-105 & Q6-00318	2	Collar W/ Set Screw	0	5
CP-1206	SC-729, SC-727 & SC-739	2	Universal Rod W/ 2 Rod Heads and 2 Pins	0	6
CP-1207	SC-731, SC-722 SC-723 & Q11-00861	1	Shaft W/ Arms and Taper Pins - R.H. Assembly	1	11
CP-1208	SC-731, SC-722, SC-723 & Q11-00861	1	Shaft W/ Arms and Taper Pins - L.H. Assembly	1	11
CP-1209	SC-732, SC-720, SC-721 & Q11-00861	1	Shaft W/ Arms and Taper Pins - R.H. Assembly	2	15
CP-1210	SC-732, SC-720, SC-721 & Q11-00861	1	Shaft W/ Arms and Taper Pins - L.H. Assembly	2	15
CP-1211	C-1344	2	Rocker Arm Assembly	6	12
CP-1212	SC-724, SC-744 & Q11-00846	1	Connecting Rod W/ Pin & Cotters For Single Connection	1	2
CP-1213	SC-730, Q9-00533, SC-745 & Q11-00840	2	Adjusting Rod W/ Lock Nuts, Pin and cotters	0	5
CP-1214	SC-746	2	Weight Guard	6	12
CP-1215	SC-747 & Q9-00510	4	Pins W/ Nuts	0	2
CP-1216	SC-748	2	Taper Coil Springs	0	1/2
CP-1217	SC-749	2	Lever (Used on L.R.M.S. Only)	0	6
CP-1218	SC-714 & Q9-00512	2	Arm Rest W/ Nuts	0	13
CP-1219	SC-715 & SC-752	2	Weight W/ Stud	12	2
CP-1220	SC-744 & Q11-01000	1	Pin W/ Cotters	0	2
CP-1221	AMC-518 & Q9-00523	2	Pin W/ Nut	0	2
CP-1222	C-1404	1	Crank Assembly - Right Hand	1	0
CP-1223	C-1405	1	Crank Assembly - Left Hand	1	0
CP-1224	SC-753, AMC-518 & Q9-00523 Q14-00613	2	Connecting Rod W/ Pin,& Nut & Bushings For Seperate Connections	1	0

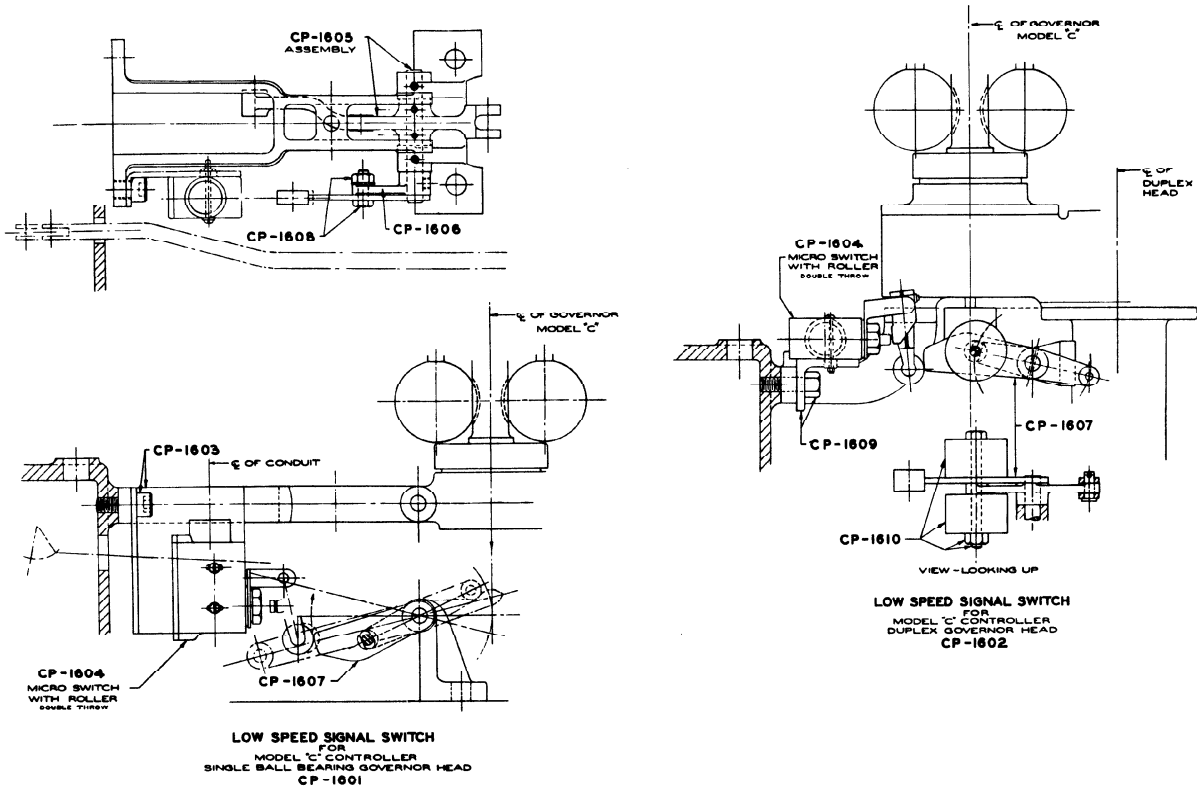
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BELL WARNING SWITCH

Fig. 15 — Drg. CP-C-1303

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-1501	C-1302, Q1-00038, Q9-00510 & Q1-00465	1	Switch Bracket W/ Screws & Nuts	0	7
CP-1502	Q16-02024, Q16-02545, Q4-00760 & Q9-00536	1	Micro Switch W/Cover 2 Round Head Screws, Nuts and Washers	0	2
CP-1503	C-1301 & Q11-00856	1	Warning Cam W/ Taper Pin	0	4
CP-1504	WD-605-DS	1	Spring	0	1
CP-1505	Q1-00038 & Q9-00510	1	Cap Screw W/ Nut	0	2



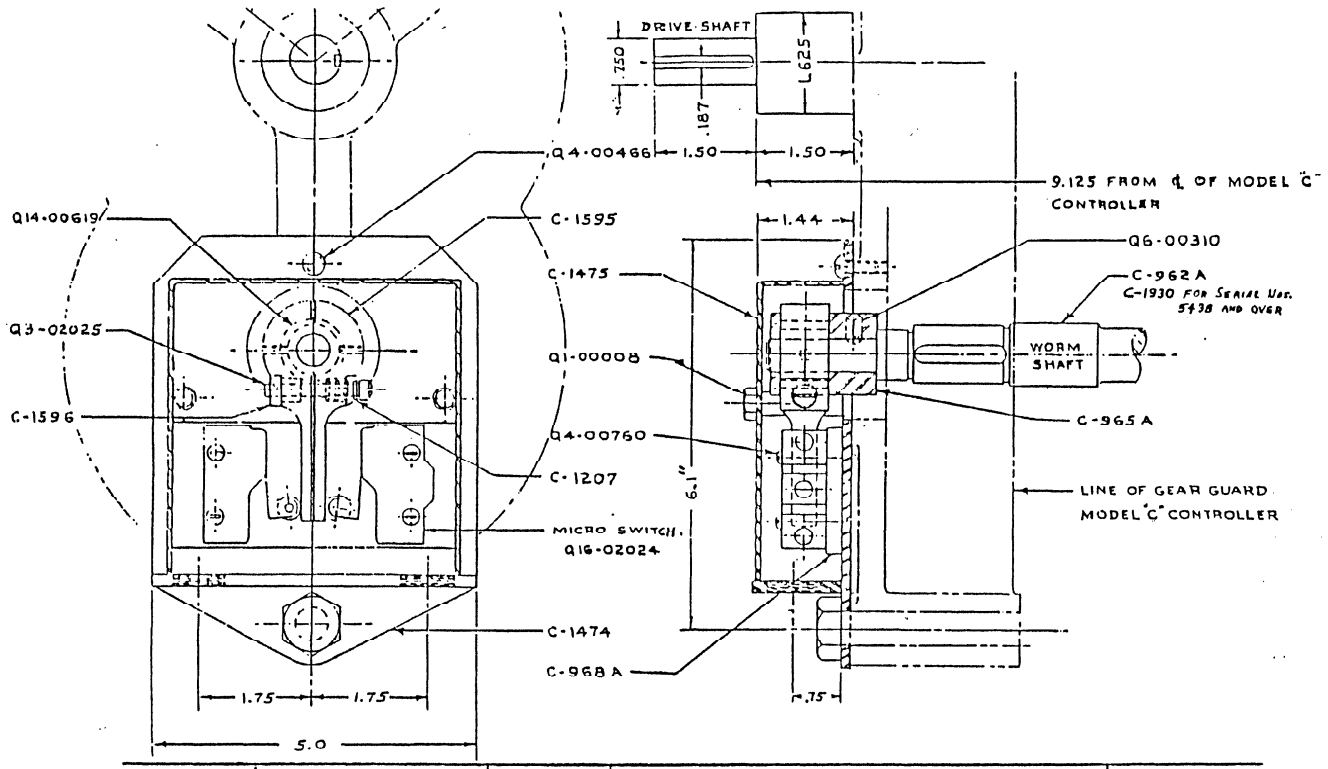
LOW SPEED SIGNAL SWITCH

Fig. 16 — Drg. CP-C-1350

(Standard Equipment from Ser. #5236.)

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
CP-1601	C-1250	1	Micro Switch Assembly for Model "C" Controller W/ Single Ball Bearing Governor Head	2	0
CP-1602	C-959	1	Micro Switch Assembly for Model "C" Controller W/ Duplex Governor Head	2	2
CP-1603	C-1251 & Q2-00269	1	Bracket W/ Soc. H'd. Cap Screw	0	8
CP-1604	Q14-02567 Q4-01261 & Q9-00536	1	Micro Switch W/ 2 Round Head Screws, Nuts and Washers	0	7
CP-1605	C-1257, C-974 Q11-00856	1	Shaft W/ Governor Lever and 2 Taper Pins	0	10
CP-1606	C-1284	1	Lever W/ Set Screw	0	2
CP-1607	C-1805	1	Cam	0	3
CP-1608	Q1-00005, Q9-00508 & Q10-00981	1	Cap Screw W/Nut & Washer	0	2
CP-1609	AS-815-1 & Q1-00036	1	Bracket W/ Cap Screw	0	5
CP-1610	C-1292, Q1-00012 & Q9-00508	1 Set	2 Weights W/ Cap Screw and Nut for Duplex Governor Head Only.	1	3

REVERSING DIRECTIONAL SWITCH C-1472

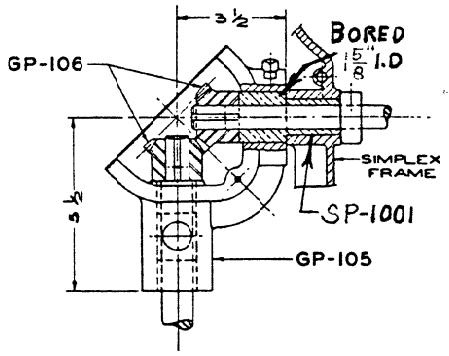


Catalog No.	Logan Drg. No.	Quty Req'd	Parts Description	Approx Net. Wgt. Lb. Oz.
CP-1701	C-962A(See Note)	1	Shaft for up to Ser # 5437	
CP-1702	C-1930	1	Shaft for Ser # 5438 and Over	
CP-1703	C-965A Q6-00310	1	Runner w/ Set Screw	
CP-1704	C-968A	1	Switch Mounting Block	
CP-1705	C-1207	1	Spring	
CP-1706	C-1474 Q4-00466	1	Mounting Bracket w/ Screw	
CP-1707	C-1475	1	Cover	
CP-1708	C-1595 C-1207 C-1596 Q3-02025 Q14-00619	1	Arm Assembly w/ Spring Screw and Nut and Shoes	
CP-1796	C-1596	1	Nut	
CP-1797	Q1-00008	2	Hex Head Cap Screw	
CP-1798	Q14-00619	Pr.	Friction Shoe	
CP-1799	Q16-02024	2	Micro Switch	

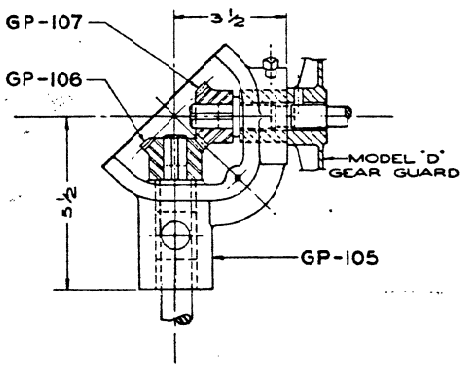
CP-1709 C-1472 Reversing Switch Parts with worm shaft C-1930 and ball bearing type worm unit CP-347 with worm. State whether single or double thread worm.

CP-1710 C-1472 Reversing Switch Parts and only worm shaft C-1930 for ball bearing type worm shaft assemblies.

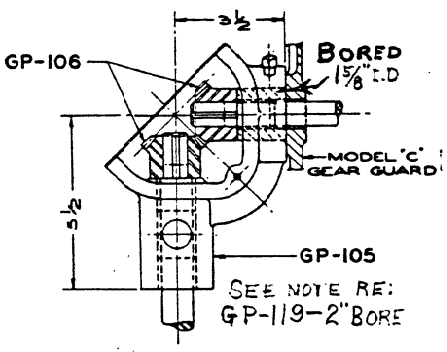
NOTE: Extended worm shaft for former plain bearing worm units no longer available. Ball Bearing type worm units interchangeable with older plain bearing units. See CP-1709.



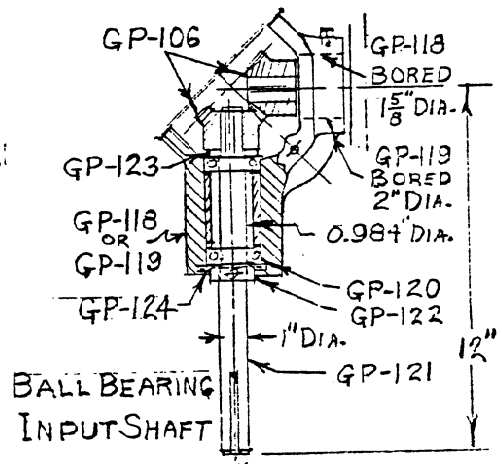
ANGLE BEARING
FOR
SIMPLEX HOIST CONTROLLER
GP-101



ANGLE BEARING FOR MODEL "D"
LILLY HOIST CONTROLLER
GP-102

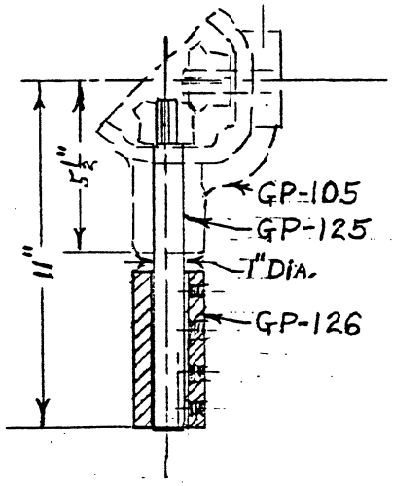


ANGLE BEARING
FOR
MODEL "C" LILLY HOIST CONTROLLER
GP-104



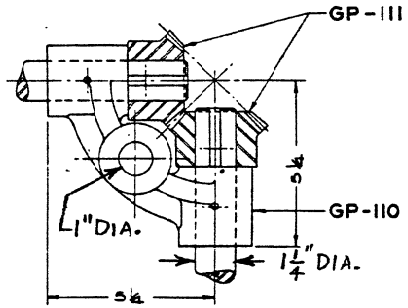
NOTE: MODEL "C" CONTROLLER SER. # 5390 AND OVER, USE GP-119 BEARING BORED 2" I.D.

ANGLE DRIVES FOR HOIST CONTROLLERS

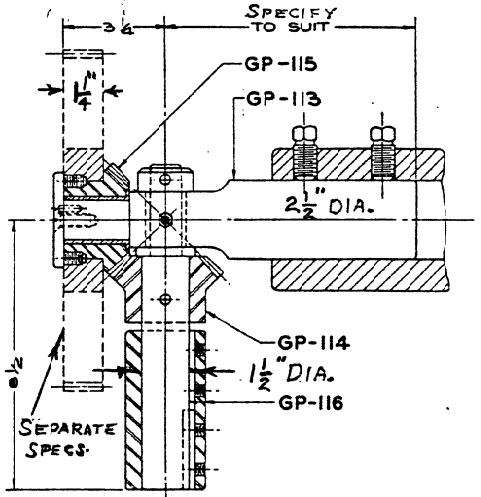


STUB SHAFT AND COUPLING

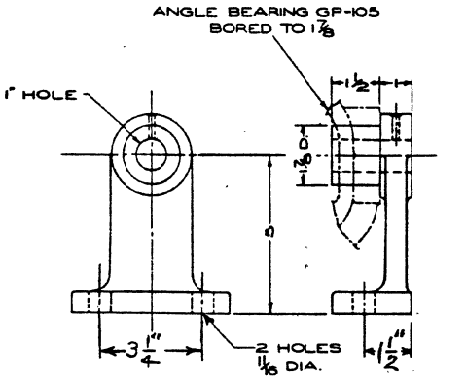
GP-108



ANGLE BEARING
GP-109



SPUR AND BEVEL GEAR DRIVE
GP-112



BEARING
GP-117

ANGLE BEARINGS AND DRIVES

840306

ANGLE BEARINGS AND DRIVES

CATALOG NO.	LOGAN DRG. NO.	QTY. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	OZ.
GP-101	E-288-1	1	Angle Bearing w/Miter Gears & Covers, w/o Shafts or Simplex Hub SP-1001	9	0
GP-102	D-855-1	1	Angle Bearing w/Miter Gears & Covers, w/o Shafts, 1 Gear w/Short Hub	9	0
GP-104	C-891-1	1	Angle Bearing w/Miter Gears & Covers, w/o Shafts. Bore 1-5/8". See also GP-118	9	0
GP-105	AC-529, BC-529, EC-529, Q4-00480, Q19-00611, Q20-00868	1	Angle Bearing w/Bushings, Covers, Screws Grease Fitting, Pipe Plug w/o Miter Gears	8	10
GP-106	AD-1242, Q6-00310	1 or 2	Miter Gear w/Setscrew & Key, 20T-10 D.P., 3/4" bore, 3/16" keyway	0	8
GP-107	BD-1242, Q6-00310	1	Miter Gear w/Setscrew & Key, 20T. Like GP-106 except short hub	0	8
GP-108	D-1243, D-1244, Q6-01987	1	Stub Shaft w/Coupling, Setscrew, Key (For Plain Bearing Angle Bearing)	6	11
GP-109	C-970	1	Angle Bearing w/Miter Gears GP-111 (As shown except w/o Shafts)	9	10
GP-110	C-865	1	Angle Bearing w/o Gears or Shafts	7	10
GP-111	C-969	1 pr.	Miter Gears w/Setscrews & Key, 24T. - 8 D.P., 1¼" bore, 5/16" keyway	2	0
GP-112	C-840-2	1	Spur and Bevel Gear Drive, w/Gear Stud, Miter Gears, Stub Shaft, Coupling, w/o Spur Gear (Separate Specs for Gear and Stud Length)	34	0
GP-113	C-837, C-841, C-838	1	Gear Stud w/Alemite, Dowel, Washer, Etc.	21	0
GP-114	BC-1252	1	Miter Gear w/Pin, 28T. - 8 D.P. Bore 1⅛"	0	12
GP-115	AC-1252, Q14-01991 Q6-01988	1	Miter Gear, 28T. - 8 D.P., w/Oilite Bushing & 3 Soc. Hd. Screws. 2.347" dia. Hub	1	0
GP-116	C-1253, C-1254, C-839 Q6-00317	1	Stub Shaft, 1½" dia., w/Collar, Coupling, Setscrews & Key	9	4
GP-117	C-630	1	Bearing	5	7
GP-118	C-1854-1	1	Angle Bearing w/Ball Bearings, Cover, Spacer, Gears, Shaft & Collar Bore Size 1-5/8" I.D.	20	0
GP-119	C-1854-2	1	Angle Bearing w/Ball Bearings, Cover, Spacer, Gears, Shaft & Collar Bore Size 2" I.D.	20	0
GP-120	Q13-02461	2	Ball Bearing (For GP-118 or GP-119)	0	4
GP-121	C-1851	1	Input Shaft, 1" dia. x 12" from Center Line	3	2
GP-122	C-1852	1	Collar w/Setscrew for GP-121	0	7
GP-123	C-1853	1	Spacer, 3/16" Thk., 3/4" bore	0	2
GP-124	Q15-03358	1	Retaining Ring	0	1
GP-125	D-1243	1	Stub Shaft w/o Coupling (Plain Bearing)	3	0
GP-126	D-1244	1	Coupling (For GP-121 or GP-125 Shaft)	3	4

NOTES