

PARTS LIST

CLAUSING

100 SERIES 12" LATHES

STANDARD AND QUICK-CHANGE MODELS

FOR LATHES WITH SERIAL NUMBERS
BETWEEN 135 AND 3400
40000 AND 43999



REPLACEMENT PARTS • STANDARD AND QUICK CHANGE LATHES

REPLACEMENT and accessory parts for Clausing Lathes are listed on the following pages. "DL" before the number part indicates a part for a Standard or Dual Lathe: "Q" indicates Quick Change lathes. "SP" numbers are standard parts such as bolts, cap screws, nuts, etc., generally available locally, and we ask that such parts be obtained locally whenever possible.

PARTS PRICES WILL BE QUOTED ON REQUEST.

BED AND LEAD SCREW

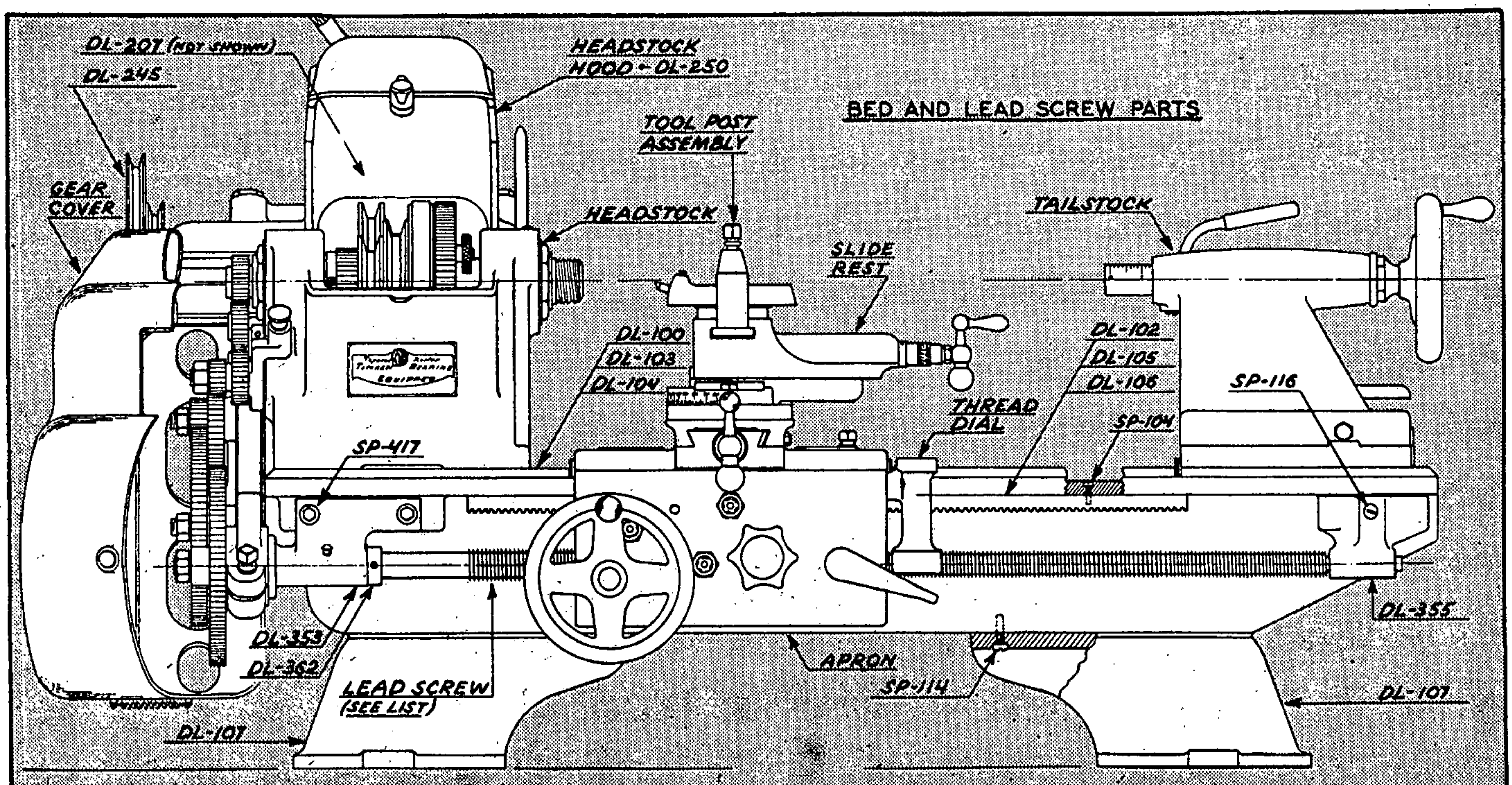
Part No.	Name of Part	Price Each
DL 100	36 inch Bed	
DL 102	36 inch Rack	
DL 103	18 inch Bed	
DL 104	24 inch Bed	
DL 105	18 inch Rack	
DL 106	24 inch Rack	
DL 107	Bed Base (2)	
DL 110	18 inch Lead Screw	
DL 111	24 inch Lead Screw	
DL 112	Floor Leg (headstock end)	
DL 113	Floor Leg (tailstock end)	
DL 207	Headstock Hood Bracket	
DL 245	5 1/2 and 8 inch Two-step Pulley	
DL 250	Headstock Hood	
DL 265	8 inch Countershaft Pulley	
DL 268	1 3/4 inch Motor Pulley, 1/2 bore	
DL 269	1 3/4 inch Motor Pulley, 3/4 bore	
TD 107	1 3/4 inch Motor Pulley, 5/8 bore	
DL 280	1 3/4 - 5 inch Two-step Motor Pulley, 1/2 inch bore	
DL 281	Same as above, 5/8 inch bore	
DL 282	Same as above, 3/4 inch bore	
DL 353	Lead Screw Bracket (headstock)	
DL 355	Lead Screw Bracket, rear	
DL 356	36 inch Lead Screw	
DL 362	Lead Screw Collar	
Q 442	18 inch Lead Screw	
Q 443	24 inch Lead Screw	
Q 444	36 inch Lead Screw	
SP 104	10/24x1/2 Fil. Hd. Cap Sc. (6)	
SP 114	5/16-18x3/8 Fil. Hd. Sc. (8)	
SP 116	5/16-18x1 1/4 Fil. Hd. Cap Sc.	

MAIN ACCESSORIES

Catalog No.	Name of Accessory	Price Each
125	Metal Cabinet for 18 in. lathe	
126	Metal Cabinet for 24 in. lathe	
127	Metal Cabinet for 36 in. lathe	
131	Chip Pan for 18 in. lathe	
132	Chip Pan for 24 in. lathe	
133	Chip Pan for 36 in. lathe	
134	Lathe Bench for 18 in. lathe	
135	Lathe Bench for 24 in. lathe	
136	Lathe Bench for 36 in. lathe	
201	Tool Post Grinder	
402	Tool Post 4-position Turret	
403	Tailstock 6-position Turret	
1001	Collet Attachment	
1002	Steady Rest	
1003	Follower Rest	
1004	Graduated Face Plate	
1010	Milling Attachment	
1103	60-degree Center	
1106	Grinding Wheel Arbor	
1113	6-in. Face Plate (semi-machined)	
1116	Straight Shank Turning Tool	
1117	Right Hand Turning Tool	
1118	Left Hand Turning Tool	
1119	Boring Tool	
1120	Straight Shank Cutoff Tool	
1121	Right Hand Cutoff Tool	
1122	Knurling Tool	
1123	Threading Tool	
1130	1/4 in. Ground Bits (set of 6)	
1132	1/4 in. Tool Bit Blanks	
1137	5/16 in. Tool Bit Blanks	
1153	Ball Bearing Back Center	
1210	Jacobs Chuck (0 to 1/2 in.)	
1211	4-Jaw Chuck, 4 inch	
1213	4-Jaw Chuck, 6 inch	
1214	4-Jaw Chuck, 8 inch	
1215	4-Jaw Chuck, 10 inch	
1217	3-Jaw Geared Scroll Chuck (6 inch)	
1220	Jacobs Center Chuck (3/4 in. cap.)	
1224	Jacobs Headstock Chuck (3/4 cap.)	

IMPORTANT

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TAILSTOCK

Part No.	Name of Part
DL 405	Handwheel Handle.....
DL 500	Tailstock Body.....
DL 500-S	Complete Tailstock.....
DL 501	Bottom.....
DL 501-S	Bottom Assem., DL Nos. 501, 502 (2), 431, 432, 433, 434, and SP No. 207 (2).....
DL 502	Offset Nut (2).....
DL 504	Tailstock Ram.....
DL 505	Feed Screw.....
DL 505-S	Feed Screw Assem., DL Nos. 505, 506 and SP Nos. 816, 912, 1518..
DL 506	Feed Screw Collar.....
DL 508	Tail Nut.....
DL 509	Ram Clamp Handle.....
DL 510	Toggle Wrench Handle.....
DL 510-S	Toggle Wrench Assem., DL Nos. 510, 514, 515.....
DL 511	Ram Key Pin.....
DL 512	Bed Clamp.....
DL 513	Handwheel.....
DL 513-S	Handwheel and Handle Assem....
DL 514	Toggle Wrench Nut Pin.....
SP 79	$\frac{3}{8}$ —24x2 $\frac{3}{4}$ Cap Sc. (2).....
SP 207	8—32x $\frac{1}{2}$ RH Mach. Sc. (2).....
SP 804	$\frac{1}{2}$ —13 Hex Nut.....
SP 816	$\frac{5}{16}$ —18 Hex Jam Nut.....
SP 912	$\frac{5}{16}$ x $\frac{3}{4}$ Washer.....
SP 1141	$\frac{1}{2}$ —13x5 $\frac{1}{2}$ Carriage Bolt.....
SP 1252	$\frac{1}{16}$ x $\frac{1}{2}$ Woodruff Key.....
SP 1518	$\frac{1}{8}$ x $\frac{3}{4}$ Groov-pin Type 1.....

B. B. CLUTCH COUNTERSHAFT

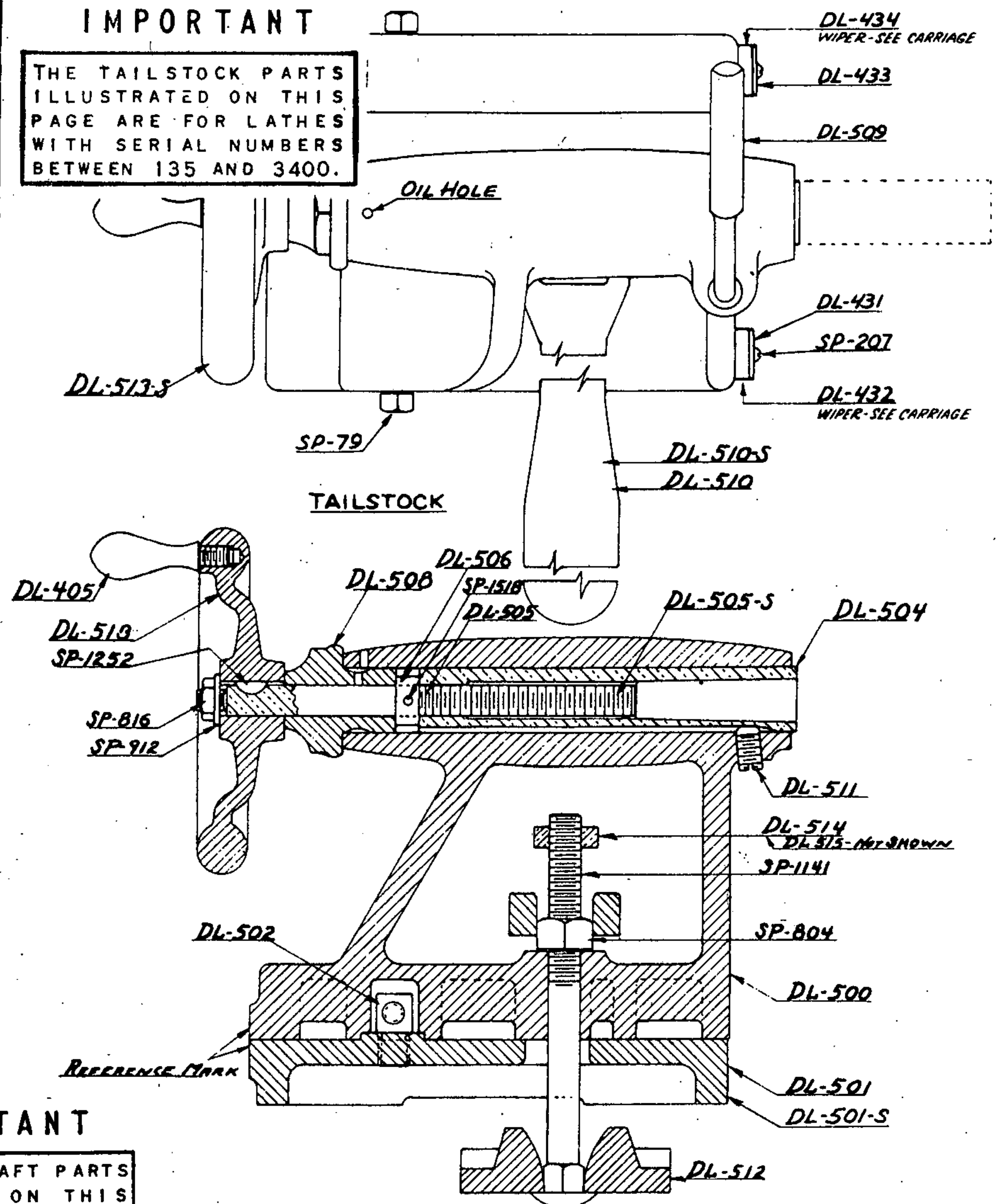
DL 255	Bearing Hanger (2).....
DL 256	3-Step Countershaft Pulley.....
DL 256-S	Pulley Assem., DL Nos. 256, 655 and SP Nos. 262 (2), 401.....
DL 275	Ball Bearing Housing.....
DL 276	Ball Bearing Housing.....
DL 277	N. D. 3203 Ball Bearing (2).....
DL 278	Countershaft Spindle.....
DL 278-S	Spindle and Collar Assem., DL Nos. 278, 653 and SP No. 1845
DL 650	Clutch Wood, $\frac{1}{2}$ in. fir ply..
DL 651	Clutch Disk.....
DL 652	Clutch Closer.....
DL 653	Spindle Collar.....
DL 654	Bronze Split Collar.....
DL 655	Broached Washer.....
DL 658	Yoke Shaft Clamp.....
DL 659	Clutch Sleeve.....
DL 659-S	Clutch Sleeve Assem., DL Nos. 650, 651, 659 and SP Nos. 1158 (4), 1250 (4), 1290.....
DL 662	Shift Lever and Clamp.....
DL 663	Leather Washer.....
DL 666	$\frac{1}{4}$ in. Balls, per set of 12.....
DL 667	Thrust Collar (2).....
DL 668	Clutch Closer Yoke.....
DL 668-S	Clutch Yoke Assem., DL Nos. 658, 668, 669, and SP Nos. 24, 614 (2), 816 (2).....
DL 669	Yoke Shaft.....
SP 24	$\frac{3}{8}$ —16x $\frac{3}{4}$ Hex Cap Sc. (2).....
SP 262	10—24x $\frac{1}{2}$ FH Mach. Sc. (2).....
SP 401	$\frac{1}{4}$ —20x $\frac{1}{4}$ SH Set Sc. (2).....
SP 614	$\frac{5}{16}$ —18x1 Dog Pt. Set Sc. (2).....
SP 615	$\frac{5}{16}$ —18x1 $\frac{1}{4}$ Sq. Hd. Set Sc. (4).....
SP 707	$\frac{1}{4}$ —20x $\frac{3}{8}$ Cone Pt. Sc. (2).....
SP 816	$\frac{5}{16}$ —18 Hex Jam Nut (4).....
SP 845	$\frac{5}{8}$ —18 Hex Jam Nut (2).....
SP 846	$\frac{5}{8}$ —18 Hex Nut.....
SP 847	$\frac{3}{4}$ —16 Hex Nut with screw hole..
SP 1158	$\frac{5}{16}$ x $\frac{3}{4}$ RH Mach. Sc. and Nut.....
SP 1250	No. 2x $\frac{3}{16}$ Drive Stud (4).....
SP 1290	$\frac{1}{8}$ x $\frac{1}{2}$ x2 Straight Key.....

SLEEVE BEARING

DL 248	3-Step Countershaft Pulley.....
DL 255	Bearing Hanger (2).....
DL 259	Spacing Collar (2).....
DL 270	Bearing Housing (2).....
DL 270-S	Bearing Housing with Bushing (2)
DL 271	Bronze Bushing (2).....
DL 272	Countershaft Spindle.....

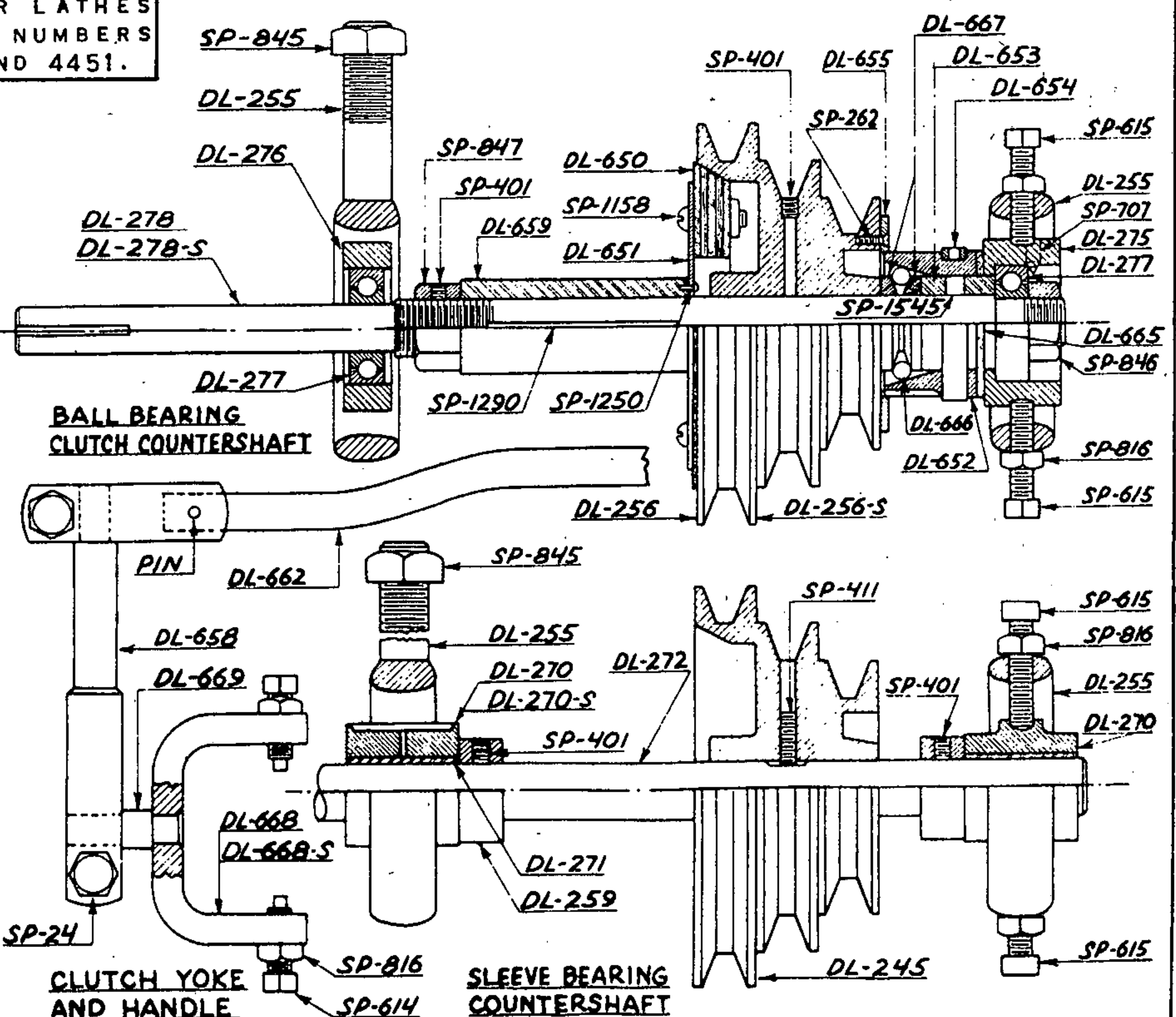
IMPORTANT

THE TAILSTOCK PARTS
ILLUSTRATED ON THIS
PAGE ARE FOR LATHES
WITH SERIAL NUMBERS
BETWEEN 135 AND 3400.



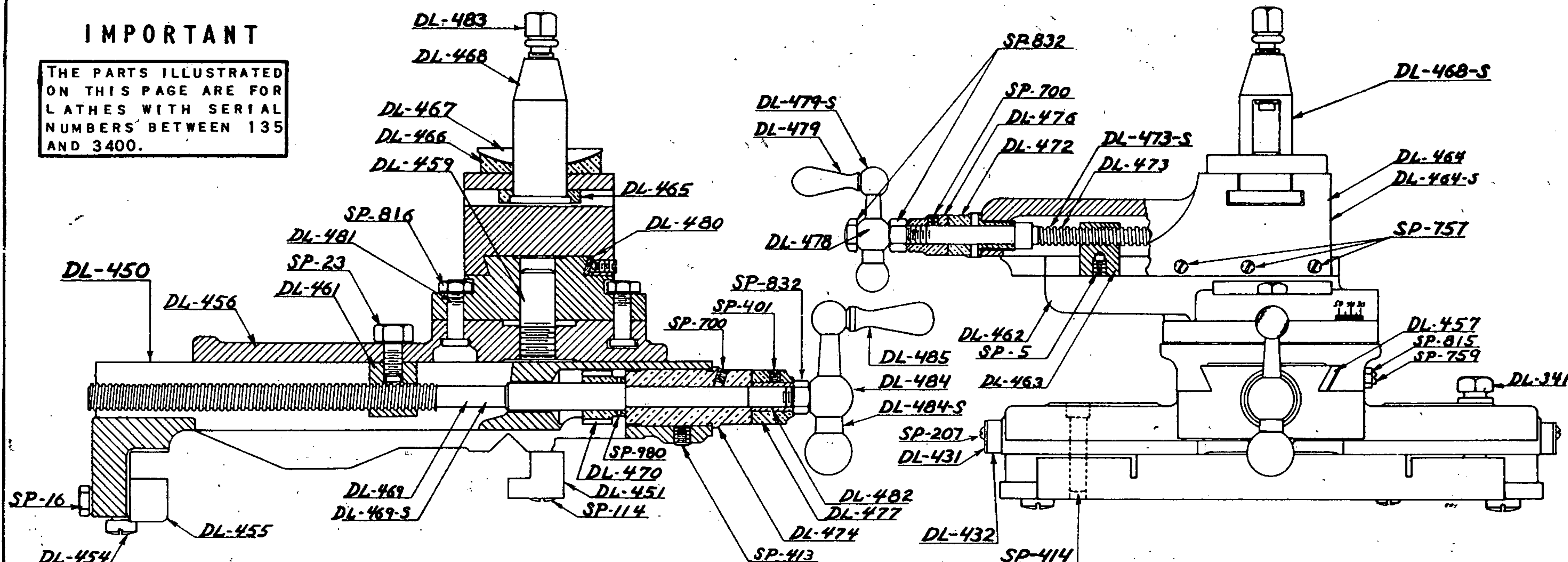
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THE COUNTERSHAFT PARTS
ILLUSTRATED ON THIS
PAGE ARE FOR LATHES
WITH SERIAL NUMBERS
BETWEEN 135 AND 4451.



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STANDARD and QUICK CHANGE CARRIAGES

STANDARD QUICK CHANGE

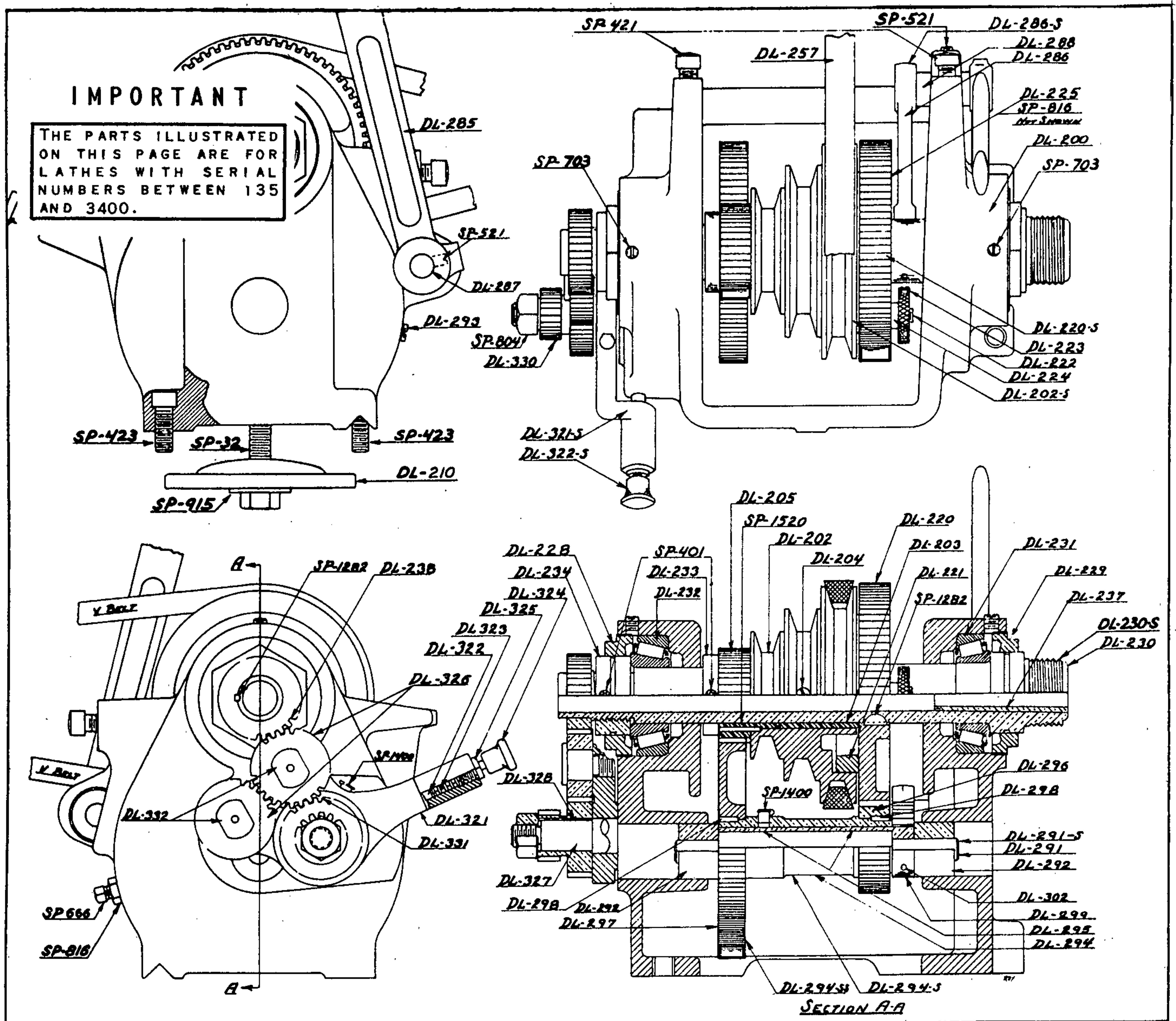
No.	Each	Name of Part	No.	Each
DL-341	\$.45	Carriage Clamp Bolt.....	DL-341	
DL-431	.06	Angular Steel Washer (2).....	DL-431	
DL-432	.06	Angular Felt Washer (2).....	DL-432	
DL-433	.06	Semi-circular Washer (2).....	DL-433	
DL-434	.06	Semi-circular Felt (2).....	DL-434	
DL-450	24.00	Saddle.....	Q-350	
DL-451	1.80	Front Gib.....	DL-451	
DL-454	.15	Gib Adjusting Screw (2).....	DL-454	
DL-455	.75	Back Gib.....	DL-455	
DL-456	12.00	Crossslide.....	Q-356	
DL-457	.45	Crossslide Gib.....	DL-457	
DL-459	.25	Crossslide Swivel Post.....	DL-459	
DL-461	.40	Crossslide Feed Screw Nut.....	DL-461	
DL-462	6.00	Compound Base.....	DL-462	
DL-463	.40	Compound Feed Screw Nut.....	DL-463	
DL-464	5.00	Compound Top.....	DL-464	
DL-464-S	17.50	Compound Assem., including DL-473-S, DL-462, DL-464, DL-480, DL-481 (2), SP-757 (4), SP-826 (2).....	DL-464-S	
DL-465	.40	Tool Post Square Washer.....	DL-465	
DL-466	.60	Tool Post Ring.....	DL-466	
DL-467	.60	Tool Post Rocker.....	DL-467	
DL-468	2.40	Tool Post.....	DL-468	

STANDARD QUICK CHANGE

No.	Each	Name of Part	No.	Each
DL-468-S	4.60	Tool Post Assem., DL Nos. 459, 465, 467, 468, 483.....	DL-468-S	
DL-469	1.20	Crossslide Feed Screw.....	Q-352	
DL-469-S	8.75	Cross Feed Screw Assem., including feed screw and bushing, gear, micro collar, ball crank, feed screw nut and bolt, and set screws.....	Q-352-S	
DL-470	1.00	Crossslide 14-tooth gear.....	DL-470	
DL-472	.60	Compound Feed Screw Bushing.....	DL-470	
DL-473	1.00	Compound Feed Screw.....	DL-473	
DL-473-S	5.50	Compound Feed Screw Assem. including DL Nos. 463, 472, 473, 476, 478, 479 and SP Nos. 5, 700, 832 (2).....	DL-473-S	
DL-477	1.50	Crossslide Micro Collar.....	Q-357	
DL-478	1.20	Compound Ball Crank.....	DL-478	
DL-479	.70	Compound Ball Crank Handle.....	DL-479	
DL-479-S	1.90	Compound Handle Assem.....	DL-479-S	
DL-480	.25	Compound Gib.....	DL-480	
DL-481	.20	Compound Square Head Bolt (2).....	DL-481	

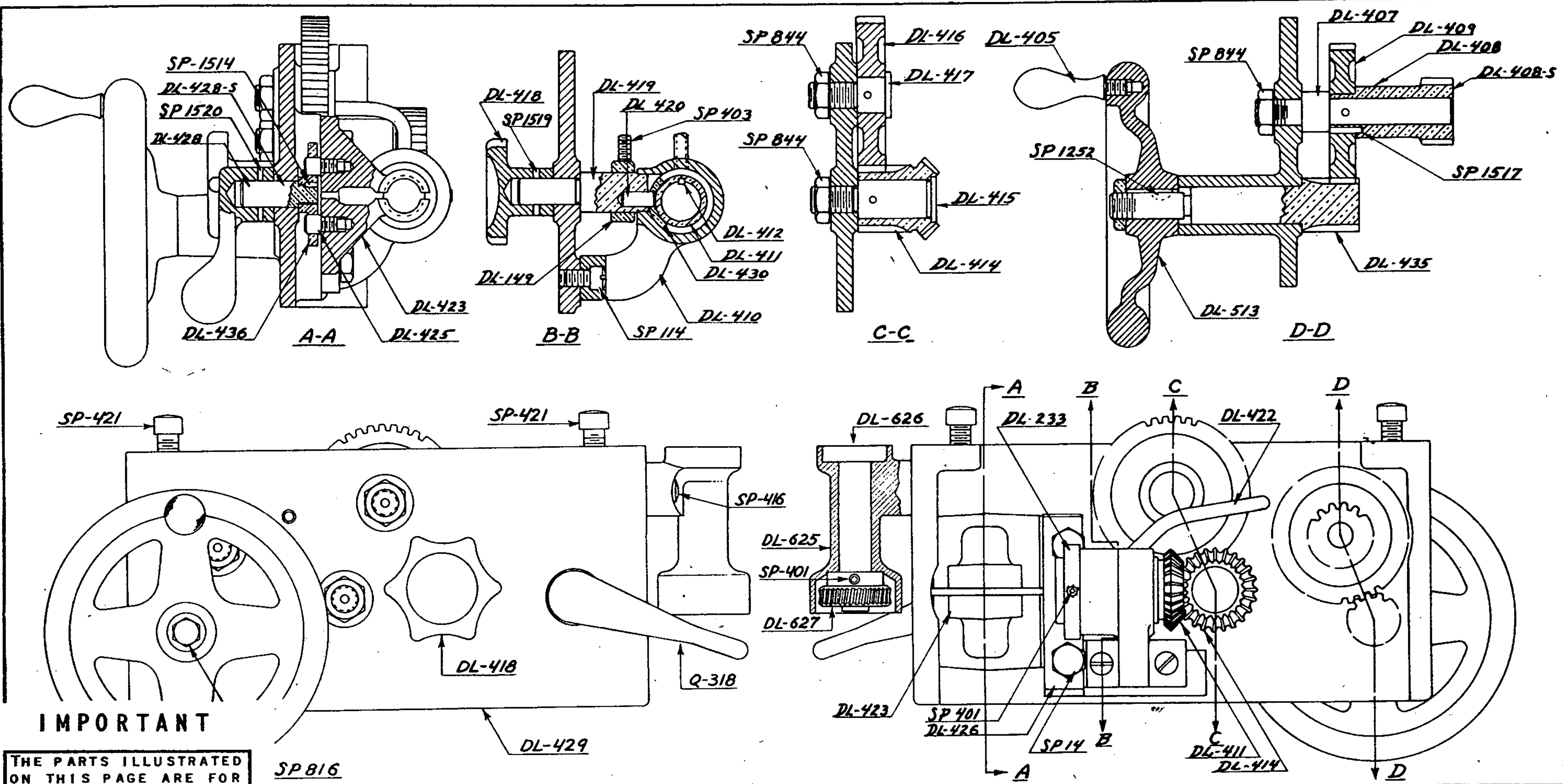
STANDARD QUICK CHANGE

No.	Each	Name of Part	No.	Each
DL-482	.30	Micro Collar Bushing.....	Q-358	
DL-483	.60	Tool Post Screw.....	DL-483	
DL-484	1.50	Crossslide Ball Crank.....	DL-484	
DL-485	.85	Crossslide Ball Crank Handle.....	DL-485	
DL-484-S	2.35	Crossslide Handle Assem.....	DL-484-S	
SP-5	.03	1/4-20x 7/8 Hex. Hd. Cap Sc..	SP-5	
SP-16	.06	5/16-18x1 1/4 Hex. Cap Sc. (2).....	SP-16	
SP-23	.03	3/8-16x 5/8 Hex. Cap Sc.....	SP-23	
SP-114	.03	5/16-18x 1/2 Fil. Hd. Cap. Sc....	SP-114	
SP-207	.03	8-32x 1/2 Rd. Head Machine Screw (4).....	SP-207	
SP-401	.03	1/4-20x 1/4 Socket Hd. Set Sc. 5/16-18x 1/4 Socket Hd. Set Sc..	SP-401	
SP-413	.03	5/16-18x 3/8 Socket Hd. Set Sc..	SP-413	
SP-414	.06	5/16-18x1 1/4 Socket Hd. Cap Sc.	SP-414	
SP-700	.03	5/16-24x 3/8 Headless Set Sc. (2).....	SP-700	
SP-757	.03	1/4-20x 1/2 Headless Set Sc. with cone point (4).....	SP-757	
SP-759	.03	1/4-20x 3/4 Headless Set Sc. with cone point (5).....	SP-759	
SP-815	.03	1/4-20 Hex. Hd. Jam Nut (5).....	SP-815	
SP-816	.03	5/16-18 Hex. Hd. Jam Nut (2).....	SP-826	
SP-832	.03	3/8-24 Hex. Nut (3).....	SP-832	
SP-980	.03	00x 5/8 Taper Pin.....	SP-980	



Part No.	Name of Part	Each	Part No.	Name of Part	Each	Part No.	Name of Part	Each
DL 200	Headstock Body.....		DL 237	Reducing Sleeve.....		DL 321-S	Reverse Assem., DL Nos. 321, 322-S, 326 (2), 327, 328, 331, 332 (2) and SP No. 804.....	
DL 200-S	Complete Headstock.....		DL 238	28-Tooth Spindle Gear.....		DL 322	Reverse Pin.....	
DL 202	Cone Pulley.....		DL 257	V-Belt.....		DL 322-S	Reverse Pin Assem., DL Nos. 322 to 325.....	
DL 202-S	Pulley Assem., including DL Nos. 202 to 205, 220 to 225 and SP Nos. 816, 1282, 1520.....		Cat. 1154	Veelos Link V-Belt.....		DL 323	Reverse Pin Spring.....	
DL 203	Bronze Bushing.....		DL 285	Back Gear Lever.....		DL 324	Reverse Pin Handle.....	
DL 204	Oil Hole Screw.....		DL 286	Back Gear Shift Arm.....		DL 325	Spring Retainer Nut.....	
DL 205	32-Tooth Bronze Gear.....		DL 286-S	Shaft and Arm Assem., including DL Nos. 286, 287, 288 and SP No. 1516.....		DL 326	27-Tooth Reverse Gear (2).....	
DL 210	Headstock Bed Clamp.....		DL 287	Back Gear Lever Shaft.....		DL 327	Stud Gear Shaft.....	
DL 220	78-Tooth Bull Gear.....		DL 288	Back Gear Shaft Sleeve.....		DL 328	Stud Gear Shaft Key.....	
DL 220-S	Bull Gear Assem., including DL Nos. 220 to 225 and SP Nos. 816, 1282.....		DL 291	Eccentric Shaft.....		DL 330	16-Tooth Stud Gear.....	
DL 221	Clutch Ring.....		DL 192-S	Shaft Assem., DL Nos. 291, 299, 302.....		DL 331	28-Tooth Gear with Shoulder.....	
DL 222	Clutch Ring Bolt.....		DL 292	Shaft Bushing (2).....		DL 332	Reverse Gear Stud (2).....	
DL 223	Thumb Wheel.....		DL 293	Bushing Screw (2).....		SP 32	1/2-13x2 Hex Hd. Cap Sc.....	
DL 224	Clutch Ring Bolt Collar.....		DL 294	Back Gear Quill.....		SP 401	1/4-20x1/4 SH Set Sc. (2).....	
DL 225	Fillister Head Screw.....		DL 294-S	Quill Assem., DL Nos. 294 to 297, 298 (2) and SP No. 1400.....		SP 421	3/8-16x3/4 SH Cap Sc. (2).....	
DL 228	1 3/4 in. Bearing Cap.....		DL 294-SS	Back Gear Assem., DL Nos. 294-S, 292 (2), 293 (2).....		SP 423	3/8-16x1 SH Cap Sc. (2).....	
DL 229	1 1/16 in. Bearing Cap.....		DL 295	Bronze Bushing.....		SP 521	5/16-18x1/2 SH Set Sc. (2).....	
DL 230	Headstock Spindle.....		DL 296	Small Back Gear.....		SP 666	5-16-18x2 Sq. Hd. Screw.....	
DL 230-S	Spindle Assem., including DL Nos. 202-S, 228 to 234, 238 and SP Nos. 401, 1282.....		DL 297	Large Back Gear.....		SP 703	1/4-20x1/4 Hdls. Screw (2).....	
DL 231	1 3/8 Timken Bearing.....		DL 298	1/2x5/8 Pin (2).....		SP 804	1/2-13 Hex Nut.....	
DL 232	1 1/4 Timken Bearing.....		DL 299	Eccentric Half Gear.....		SP 816	5/16-18 Hex Jam Nut (2).....	
DL 233	Spindle Spacing Collar.....		DL 302	Eccentric Gear Shaft Pin.....		SP 915	3/16x1 3/8 Washer.....	
DL 234	Spindle Take-up Nut.....		DL 321	Reverse Bracket.....		SP 1282	1/8x1/2 Woodruff Key (2).....	
						SP 1400	1/4 in. St. Oil Cup (2).....	
						SP 1520	1/8x1 Groov-pin Type 1.....	

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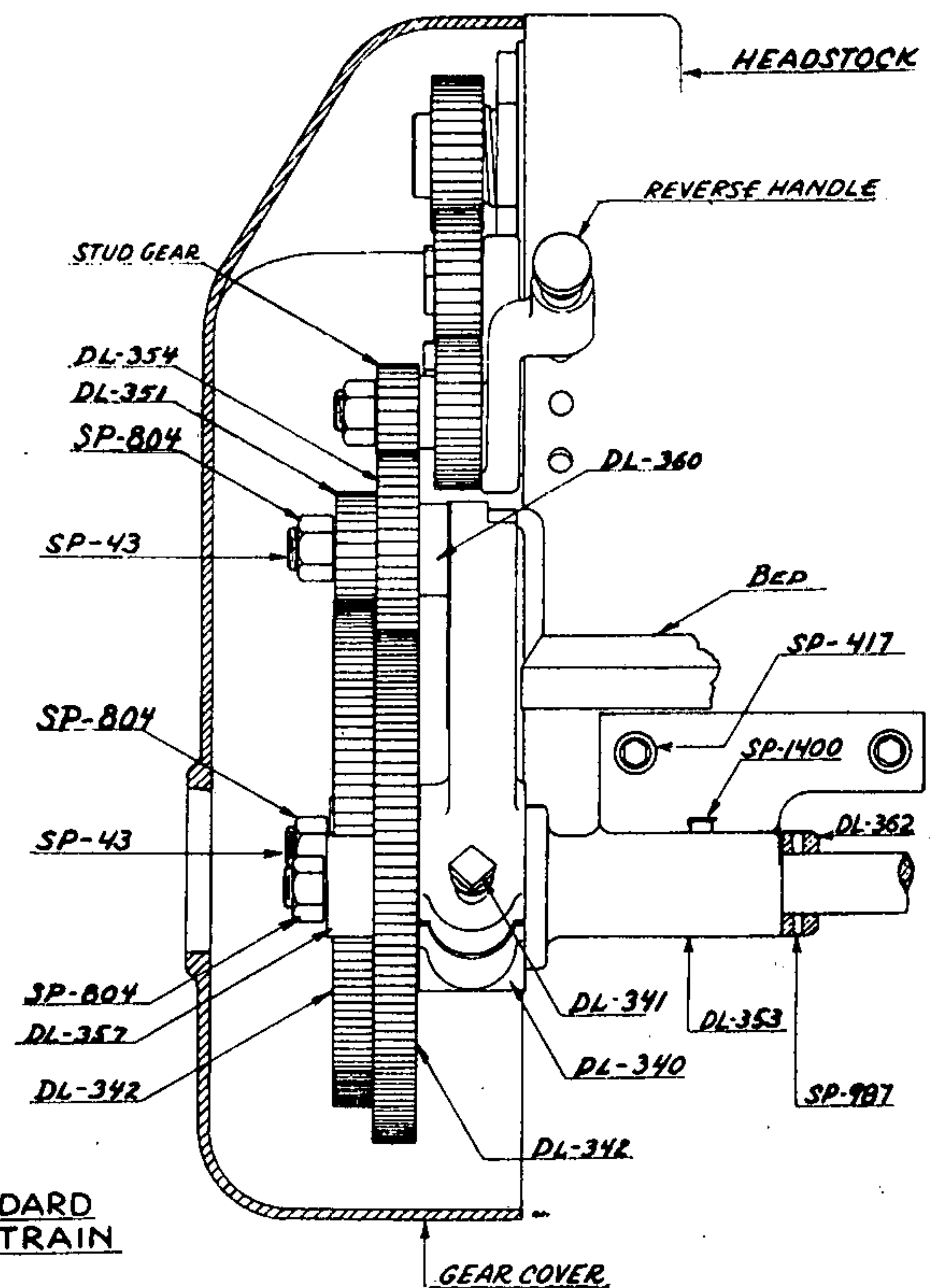
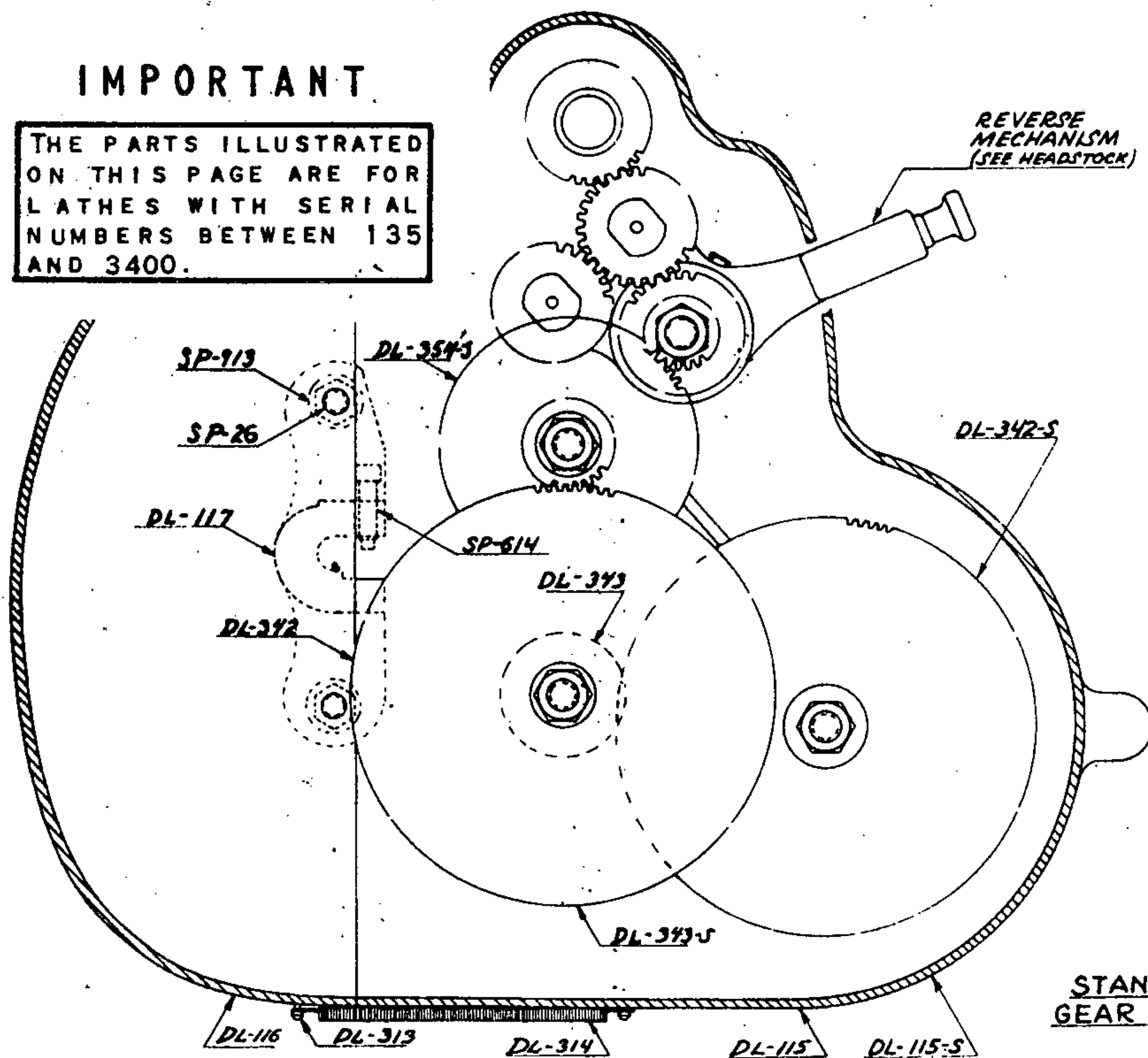
STANDARD APRON

Part No.	Name of Part	Each	Part No.	Name of Part	Each	Part No.	Name of Part	Each	Part No.	Name of Part	Each
DL 149	Sliding Bevel Gear Stud.....		DL 415	Combination Gear Stud.....		DL 428-S	Scroll and Shaft Assem.....		SP 401	1/4-20x 1/4 SH Set Sc. (2).....	
DL 233	Spacing Collar.....		DL 416	46-T Gear.....		DL 429	Apron Body.....		SP 403	1/4-20x 5/8 SH Set Sc.....	
DL 405	Handwheel Handle.....		DL 417	46-T Gear Stud.....		DL 430	Bevel Gear Shoe.....		SP 416	5/16-18x 3/8 SH Cap Sc.....	
DL 407	Rack Pinion Stud.....		DL 418	Star Wheel.....		DL 435	Handwheel Shaft and Pinion.....		SP 421	3/8-16x 3/4 SH Cap Sc. (2).....	
DL 408	18-T Rack Pinion.....		DL 419	Bevel Gear Shift Shaft.....		DL 436	Scroll.....		SP 816	5/16-18 Jam Nut.....	
DL 408-S	Rack Pinion and Gear Assem.....		DL 420	Shift Shaft Pin.....		DL 513	Apron Handwheel.....		SP 844	1/2-20 Jam Nut (3).....	
DL 409	Rack Pinion 44-T Gear.....		DL 422	Copper Oil Tube.....		DL 625	Thread Dial Body.....		SP 1252	1/16x 1/2 Woodruff Key.....	
DL 410	Bevel Gear Bracket.....		DL 423	Split Nut.....		DL 626	Indicator Dial and Shaft.....		SP 1514	1/8x 1/4 Groov-pin, Type 1.....	
DL 411	Sliding Bevel Gear.....		DL 425	Scroll Pin (2).....		DL 627	32-tooth Worm Gear.....		SP 1517	1/8x 3/8 Groov-pin, Type 1.....	
DL 412	1/8 inch Square Key.....		DL 426	Split Nut Gib.....		Q 318	Split Nut Lever.....		SP 1519	1/8x 3/8 Groov-pin, Type 1.....	
DL 414	Comb. Bevel and Spur Gear.....		DL 428	Scroll Handle Shaft.....		SP 14	5/16-18x 3/4 Hex Cap Sc. (2).....		SP 1520	1/8x 1 Groov-pin, Type 1.....	
						SP 114	5/16-18x 1/8 Fil. Hd. Sc. (2).....				

● GEAR TRAINS

IMPORTANT

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STANDARD GEAR TRAIN

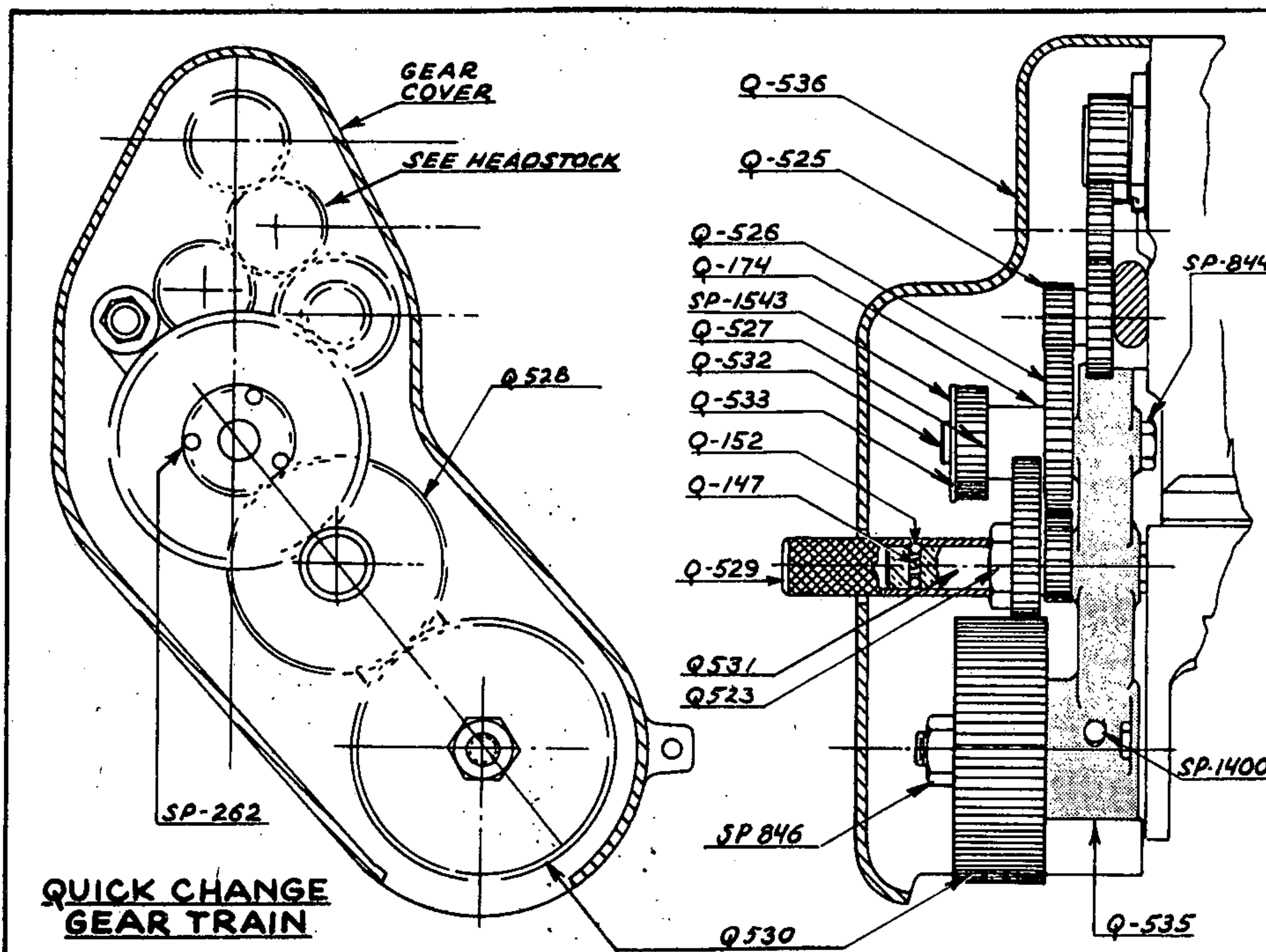
Part No.	Name of Part	Each	Part No.	Name of Part	Each
DL 115	Front Gear Guard.....		DL 353	Lead Screw Bracket.....	
DL 115-S	Front and Rear Guard Assem..		DL 354	60-T Idler Gear.....	
DL 116	Rear Gear Guard.....		DL 354-S	20-T and 60-T Gear Assem.....	
DL 117	Gear Guard Bracket.....		DL 357	Screw Gear Collar.....	
DL 313	Gear Guard Spring Pins (2)....		DL 360	Gear Bushing (2).....	
DL 314	Gear Guard Spring.....		DL 362	Lead Screw Thrust Collar.....	
DL 340	Standard Quadrant.....		SP 26	$\frac{3}{8}$ -6x1 Hex Cap Sc. (2).....	
DL 341	Quadrant Clamp Bolt.....		SP 43	$\frac{1}{2}$ -13x2 $\frac{1}{2}$ Hex Cap Sc. (2)....	
DL 342	100-T Gear.....		SP 614	$\frac{5}{16}$ -18x1 Sq. Hd. Sc. (2).....	
DL 342-S	100-T Gear and Collar Assem..		SP 804	$\frac{1}{2}$ -13 Hex Nut (3).....	
DL 343	25-T Idler Gear.....		SP 913	$\frac{1}{16}$ x1 Washer (2).....	
DL 343-S	25-T and 100-T Gear Assem.....		SP 987	No. 0x1 $\frac{1}{4}$ Taper Pin.....	
DL 351	20-T Idler Gear.....		SP 1400	Straight Oil Cup.....	

Change Gears*

DL 577	64 Teeth.....
DL 578	60 Teeth.....
DL 579	56 Teeth.....
DL 580	52 Teeth.....
DL 581	48 Teeth.....
DL 582	46 Teeth.....
DL 583	44 Teeth.....
DL 584	40 Teeth.....
DL 585	32 Teeth (2 needed)....
DL 590	36 Teeth.....
DL 591	54 Teeth.....
Cat. 1037	Metric Transposing Gears for Standard Lathe.....
Cat. 1038	Metric Transposing Gears for Quick Change Lathe.....

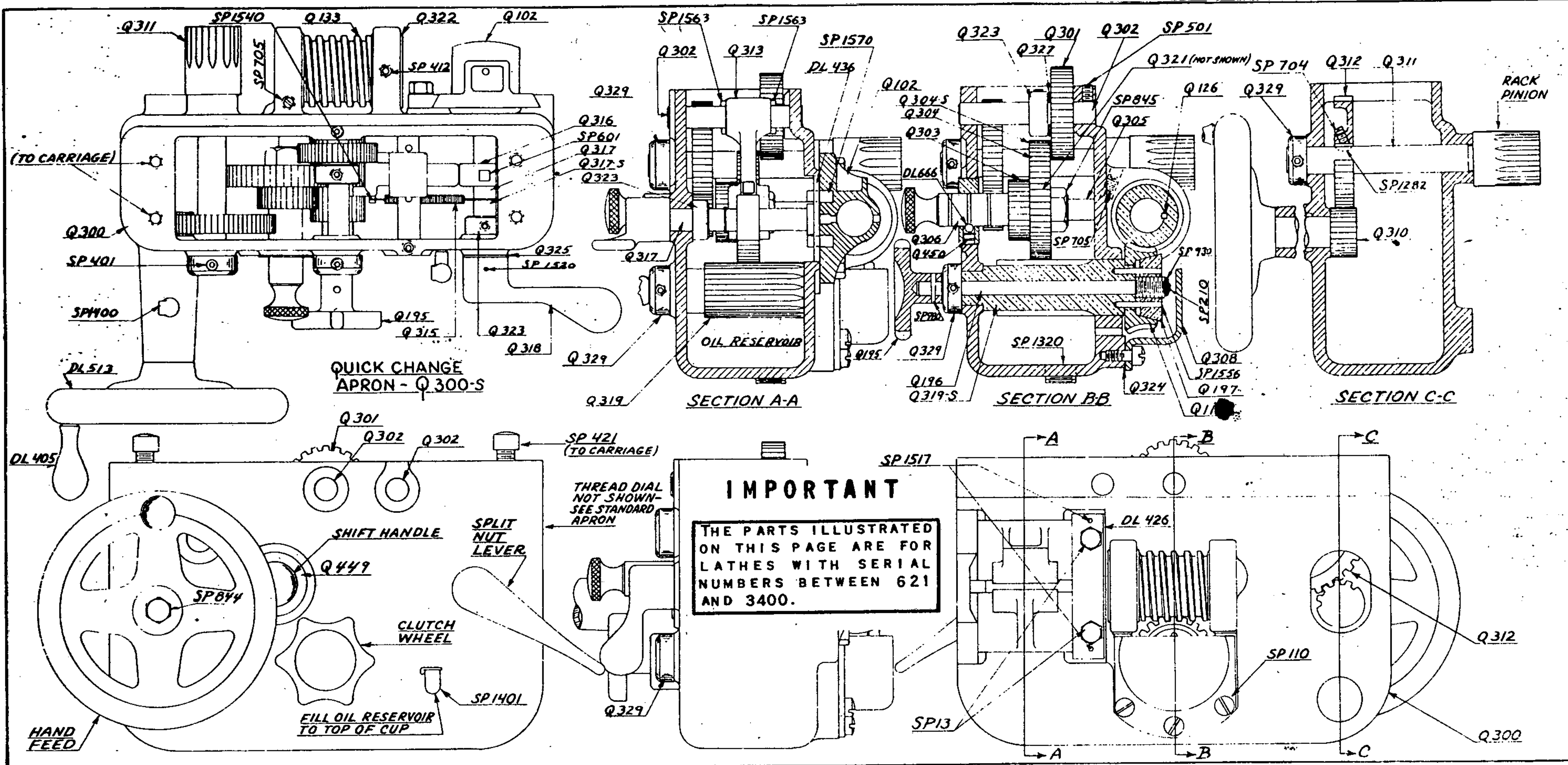
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QUICK CHANGE GEAR TRAIN

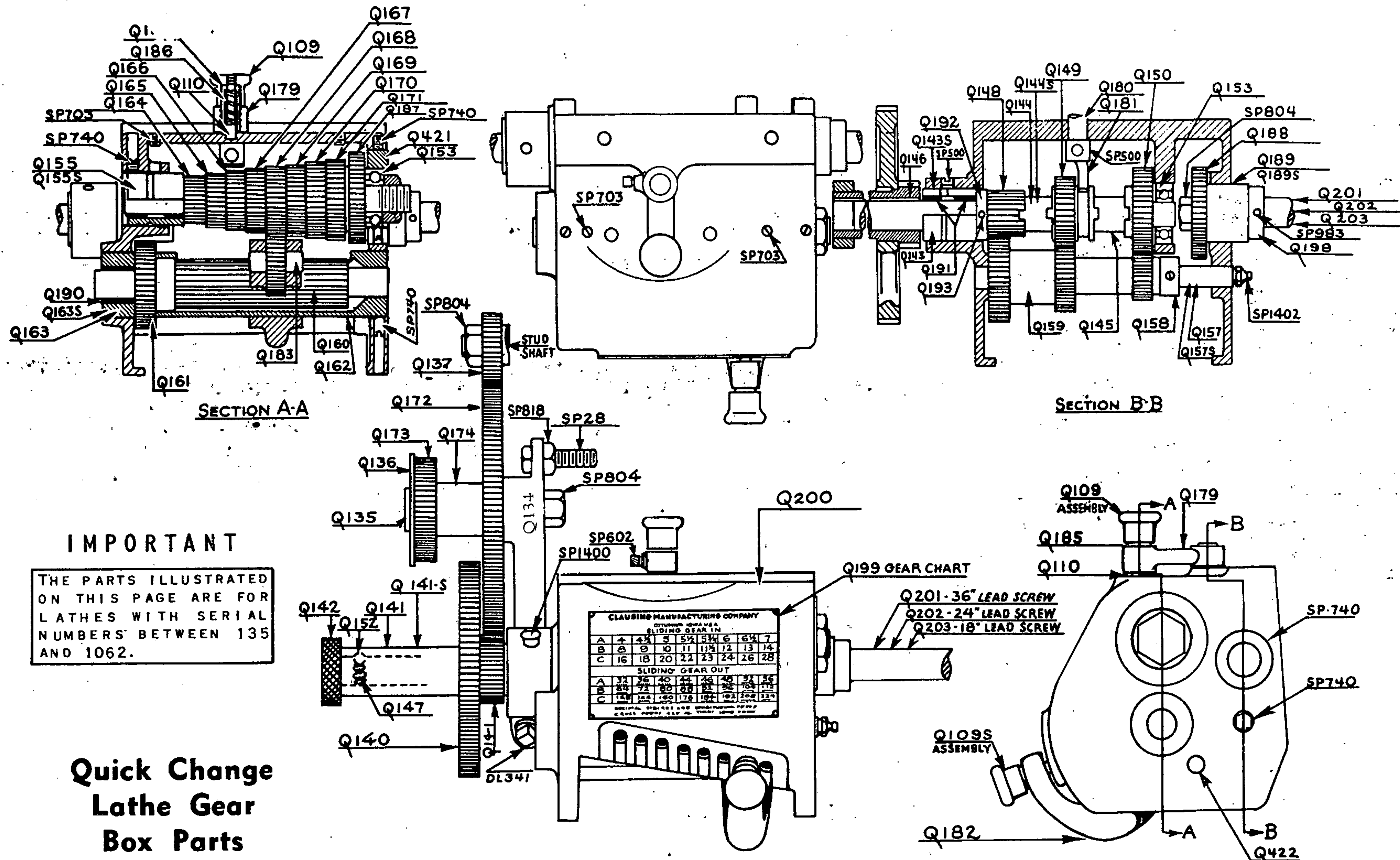


Part No.	Name of Part	Each
Q 147	Sliding Gear Index Spring.....	
Q 152	$\frac{5}{16}$ dia. Steel Ball (2).....	
Q 174	Quadrant Gear Hub.....	
Q 174-S	Hub and Gears Assem., Nos. 174, 526, 527, 533 and SP Nos. 262 (3), 1543 (2).....	
Q 523	1 $\frac{1}{8}$ in. Special Hex Nut.....	
Q 525	18-T Stud Gear.....	
Q 526	72-T Gear.....	
Q 527	30-T Gear.....	
Q 528	60-T Gear.....	
Q 529	18-T Gear and Sliding Sleeve...	
Q 530	75-T Gear.....	
Q 531	Sliding Gear Stud.....	
Q 532	Quadrant Spindle.....	
Q 533	Sliding Gear Stop Disk.....	
Q 535	Quick Change Quadrant.....	
Q 536	Gear Cover.....	
SP 262	10-24x $\frac{1}{2}$ FH Mach. Sc. (3).....	
SP 846	$\frac{5}{8}$ -18 Hex Nut.....	
SP 844	$\frac{1}{2}$ -20 Hex Nut.....	
SP 1400	$\frac{1}{4}$ in. Straight Oil Cup.....	
SP 1543	$\frac{1}{8}$ x $\frac{1}{2}$ Groov-pin, Type 2 (3)....	

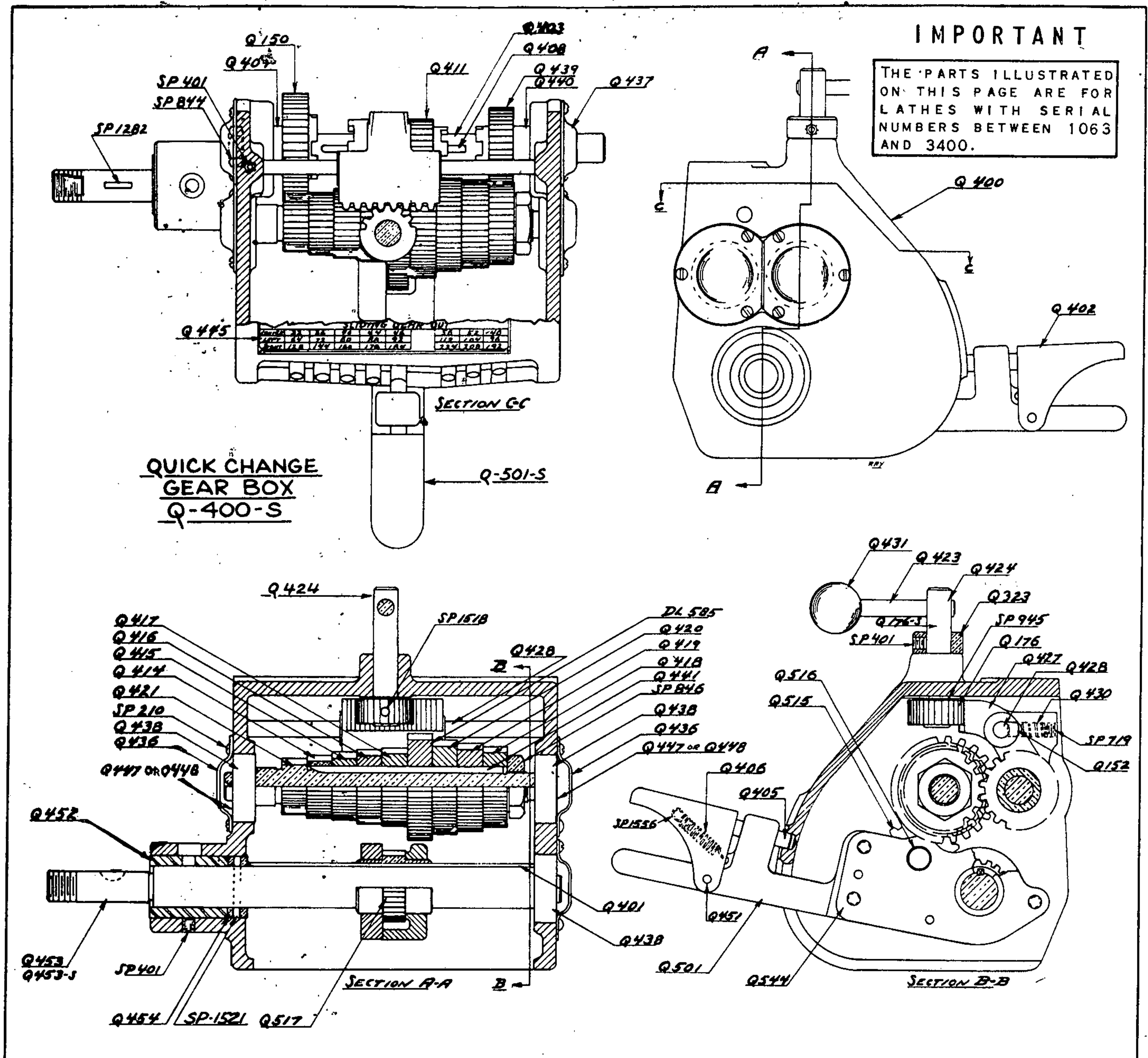
14-A



Part No.	Name of Part	Each	Part No.	Name of Part	Each	Part No.	Name of Part	Each	Part No.	Name of Part	Each
DL 405	Handwheel Handle.....		Q 304-S	Gear Assem., Q Nos. 303, 304, 306, 321 and SP No. 845.....		Q 319	Feed Drive Pinion.....		SP 601	1/4-20x3/8 Sq. Hd. Set Sc.....	
DL 428	Split Nut Gib.....		Q 305	Sliding Gear Stud.....		Q 321	Key for Sliding Gears.....		SP 704	1/4-20x3/8 Hdl. Set Screw.....	
DL 436	Scroll.....		Q 306	Sliding Gear Shift Sleeve.....		Q 322	Worm Retaining Washer.....		SP 705	1/4-20x1/2 Hdl. Set Screw.....	
DL 513	Handwheel.....		Q 308	Oil Reservoir.....		Q 323	Shaft Collar (2).....		SP 844	1/2-20 Hex Jam Nut.....	
DL 666	1/4 in. dia. Steel Ball.....		Q 310	Handwheel Shaft and Pinion.....		Q 324	Oil Reservoir Gasket.....		SP 845	3/8-18 Hex Jam Nut.....	
Q 102	Split Nut.....		Q 311	Rack Pinion and Shaft.....		Q 325	Spring Washer.....		SP 930	Countersunk Tooth Washer.....	
Q 111	Worm Gear.....		Q 312	44-T Gear.....		Q 327	1/2 in. I. D. Brass Washer.....		SP 980	No. 00x3/8 Taper Pin.....	
Q 128	1/8 in. sq. Key for Worm.....		Q 313	Sliding Gear Lock Arm.....		Q 329	Shaft Collar.....		SP 1282	1/8x1/2 Woodruff Key.....	
Q 133	Worm.....		Q 315	Lock Arm Spring.....		Q 449	Shift Sleeve Bushing.....		SP 1320	1/2 in. Socket Hd. Pipe Plug.....	
Q 186	Star Wheel.....		Q 316	Gear Lock Cam.....		Q 450	Index Spring.....		SP 1400	1/4 in. Straight Oil Cup.....	
Q 196	Clutch Shaft.....		Q 317	Scroll Shaft.....		SP 13	3/8-18x3/4 Hex Cap Sc. (2).....		SP 1401	1/4 in. Angle Oil Cup.....	
Q 197	Clutch Cone.....		Q 317-S	Scroll Shaft Assem., Q Nos. 317, 318, 325 and SP No. 1520.....		SP 110	3/8-18x1/2 Fil. Hd. Sc. (3).....		SP 1517	1/8x3/8 Groov-pin Type 1 (2).....	
Q 300	Apron Body.....		Q 318	Split Nut Lever.....		SP 210	10-24x3/8 RH Mach. Screw.....		SP 5120	1/8x1 Groov-pin Type 1.....	
Q 301	Crossfeed Gear.....		Q 319-S	Pinion Assembly, Q Nos. 111, 196, 197, 319; SP Nos. 210, 930, 1556.....		SP 401	1/4-20x1/4 SH Set Sc. (6).....		SP 1540	1/8x1/2 Groov-pin Type 7.....	
Q 302	Gear Stud (2).....					SP 412	3/8-18x3/4 SH Set Sc.....		SP 1556	1/8x1 Groov-pin Type 2 (2).....	
Q 303	20-T Sliding Gear.....					SP 421	3/8-16x3/4 SH Cap Sc. (4).....		SP 1563	1/8x3/4 Groov-pin Type 3 (2).....	
Q 304	50-T Sliding Gear.....					SP 801	1/4-20x3/8 SH Set Screw.....		SP 1570	1/8x3/4 Groov-pin Type 4 (2).....	



PART NO.	NAME	NO. USED	PART NO.	NAME	NO. USED	PART NO.	NAME	NO. USED	PART NO.	NAME	NO. USED
Q-109	Plunger Knob	1	Q-152	5-16 Steel Ball	1	Q-171	28 T. Cone Gear	1	Q-193	Sliding Gear Shaft Collar Pin	1
Q-110	Plunger	2	Q-153	Nice Ball Bearing	1	Q-172	96 T. Quadrant Gear	1	Q-194	Bronze Bush for Q-189	1
Q-134	Quick change quadrant	1	Q-155	Bush. for Cone Shaft	1	Q-173	40 T. Quadrant Gear	1	Q-198	Thrust Collar on Lead Screw	1
Q-135	Quadrant Bolt	1	Q-155S	Assembly	1	Q-174	Quadrant Gears Hub	1	Q-199	Quick Change Name Plate	1
Q-136	Retainer Washer	1	Q-157	Cluster Gear Shaft	1	Q-179	A B C Lever	1	Q-200	Gear Box	1
Q-137	24 Tooth Stud Gear	1	Q-158	Thrust Collar for Q-157	1	Q-180	A. B. C. Lever Shaft	1	Q-201	36 in. Lead Screw	1
Q-140	80 Tooth Sliding Gear	1	Q-159	Cluster Gear	1	Q-181	Dog Clutch Throw	1	Q-202	24 in. Lead Screw	1
Q-141	24 Tooth Sliding Gear	1	Q-160	16 T. Pinion	1	Q-182	Tumbler Lever	1	Q-203	18 in. Lead Screw	1
Q-141S	Assembly	1	Q-161	32 T. Pinion Shaft Gear	1	Q-183	Tumbler Gear Shaft	1			
Q-142	Sliding Gear Handle	1	Q-162	Tumbler Gear Sleeve	1	Q-184	24 T. Tumbler Gear	1			
Q-143	Bronze Lined Bushing in Quadrant Hub	1	Q-163	Pinion Shaft Bronzed Lined Bushing	1	Q-185	Plunger Barrell	1			
Q-144	Sliding Gear Shaft	1	Q-163S	Assembly	1	Q-186	Plunger Spring	1			
Q-144S	Assembly	1	Q-164	Cone Shaft & 16 T. Gear	1	Q-187	33 T. Gear on Cone Shaft	1			
Q-145	Sliding Gear Key (Dog Clutch)	1	Q-165	18 T. Cone Gear	1	Q-188	33 T. Gear on End of Lead Screw	1			
Q-146	24-80 Tooth Sliding Gear Key	1	Q-166	20 T. Cone Gear	1	Q-189	Lead Screw Thrust Bushing	1			
Q-147	Sliding Gear Index Spring	1	Q-167	22 T. Cone Gear	1	Q-190	Bronze Inner Bushing for Q-163	1			
Q-148	16 Tooth Dog Clutch Gear	1	Q-168	23 T. Cone Gear	1	Q-191	Bronze Inner Bushing for Q-143	1			
Q-149	24 Tooth Dog Clutch Gear	1	Q-169	24 T. Cone Gear	1	Q-192	Sliding Gear Shaft Collar	1			
Q-150	32 Tooth Dog Clutch Gear	1	Q-170	26 T. Cone Gear	1						



QUICK CHANGE GEAR BOX

Part No.	Name of Part	Each	Part No.	Name of Part	Each	Part No.	Name of Part	Each
DL 585	32-T Cone Gear.....		Q 417	23-T Cone Gear.....		Q 451	$\frac{1}{8} \times \frac{1}{4}$ Drive Screw.....	
Q 180	32-T Dog Clutch Gear.....		Q 418	24-T Cone Gear.....		Q 453	Tumbler Shaft.....	
Q 182	$\frac{3}{16}$ dia. Steel Ball.....		Q 419	26-T Cone Gear.....		Q 453-S	Tumbler Shaft and Collar Assem.....	
Q 176	16-T Clutch-Shift Gear.....		Q 420	28-T Cone Gear.....		Q 454	Tumbler Thrust Collar.....	
Q 176-S	Shift Gear and Handle Assem. including Q Nos. 176, 323, 423, 424, 431 and SP Nos. 704, 945.....		Q 421	16-T Cone Gear Shaft.....		Q 501	Tumbler Lever.....	
Q 323	Shift Shaft Collar.....		Q 423	Clutch Shift Lever.....		Q 501-S	Tumbler Lever Assem., Q Nos. 402, 405, 406, 451, 501, 544 and SP No. 1556.....	
Q 400	Gear Box Body.....		Q 424	Clutch Shift Shaft.....		Q 515	24-T Tumbler Gear.....	
Q 400-S	Complete Q. C. Gear Box.....		Q 427	Dog Clutch Slide.....		Q 516	Tumbler Gear Shaft.....	
Q 401	Tumbler Shaft Key.....		Q 428	Slide Shaft.....		Q 517	Tumbler Drive Gear.....	
Q 402	Thumb Lever.....		Q 430	Clutch Index Spring.....		Q 544	Tumbler Plate.....	
Q 403	Dog Clutch Shaft.....		Q 431	1 dia. Plastic Ball.....		SP 210	10-24x $\frac{3}{8}$ RH Sc. (12).....	
Q 404	Spacer Sleeve.....		Q 436	Closed Bearing Cover (4).....		SP 401	$\frac{1}{4}$ -20x $\frac{1}{4}$ SH Set Sc. (3).....	
Q 405	Tumbler Lever Plunger.....		Q 437	Open Bearing Cover.....		SP 719	$\frac{3}{8}$ -16x $\frac{1}{4}$ Hdls. Set Sc.....	
Q 406	Tumbler Lever Spring.....		Q 438	No. 409-29 Nice Ball Bearing (5) ..		SP 844	$\frac{1}{2}$ -20 Hex Jam Nut.....	
Q 408	Dog Clutch Shaft Key.....		Q 439	24-T Dog Clutch Gear.....		SP 846	$\frac{5}{8}$ -18 Hex Jam Nut.....	
Q 411	16-T Dog Clutch Gear.....		Q 440	Spacer Sleeve.....		SP 945	$\frac{1}{2}$ I. D. Spring Washer.....	
Q 414	18-T Cone Gear.....		Q 441	Cone Gear Shaft Key.....		SP 1282	$\frac{1}{8} \times \frac{1}{2}$ Woodruff Key.....	
Q 416	20-T Cone Gear.....		Q 445	Thread and Feed Chart.....		SP 1518	$\frac{1}{8} \times \frac{3}{4}$ Groov-pin Type 1.....	
Q 418	22-T Cone Gear.....		Q 447	$\frac{1}{4}$ in. Adjusting Washer (2).....		SP 1521	$\frac{1}{8} \times 1 \frac{1}{4}$ Groov-pin Type 1.....	
Q 418	22-T Cone Gear.....		Q 448	$\frac{1}{2}$ in. Adjusting Washer (2).....		SP 1556	$\frac{1}{8} \times 1$ Groov-pin Type 2.....	
			Q 452	Tumbler Shaft Bronze Bushing..				