

L. Wendell

10-23-53

REPAIR PARTS
for
BROWN & SHARPE
No. 0G AUTOMATIC SCREW
and
No. 0G AUTOMATIC CUTTING-OFF
MACHINES
HIGH SPEED
and
ATTACHMENTS



REAUME'S REPAIR SERVICE
18024 HARVARD BOULEVARD
GARDENA, CALIFORNIA
DAVIS 9-8669

For Machines Beginning Serial No. 542-0-351

THE parts are arranged in the illustrations so far as possible in the same relative positions as in the machines. This is to facilitate stripping and assembling as well as identifying the parts.

The parts are shown separated to make the construction of the machines more readily understood and to show each part to best advantage. In some cases, when a particular part is ordered, not only that part but one or more supplementary parts also may be sent when, from our experience, this is known to be advisable for a more satisfactory repair job.

Repair parts, in some cases, will require fitting and therefore may need holes to be drilled, shoulders to be squared or similar machining in order to make them fit properly.

A scale of inches is located at the lower part of each Repair Parts illustration. This scale will be useful in determining the approximate size of the parts illustrated on that particular page.

HOW TO ORDER REPAIR PARTS

This information is essential:

1 — Quantity, Part Number and Name

2 — Size and Style of Machine

**This will be found on the front
of the machine.**

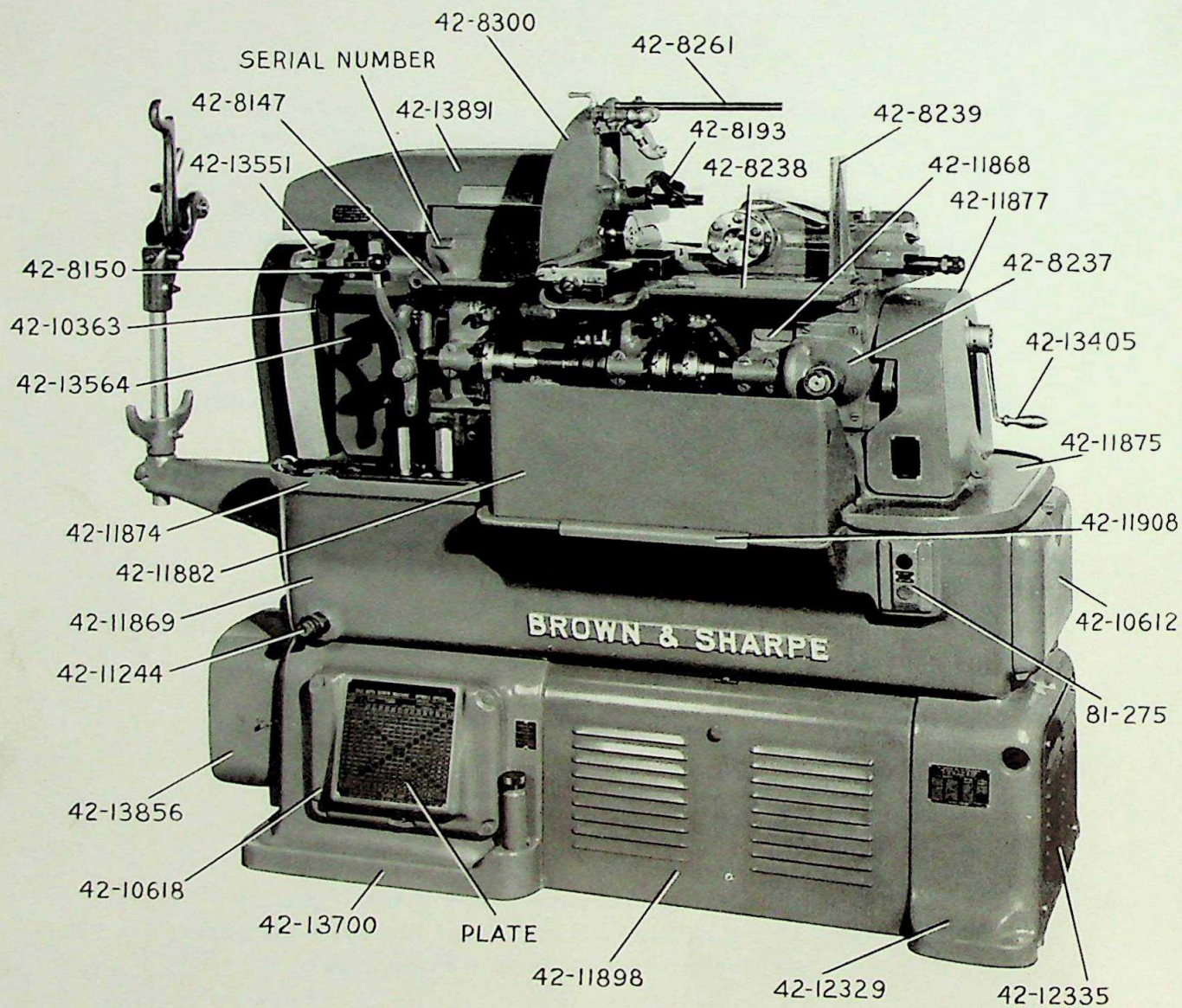
3 — Serial Number of Machine or Attachment

(Give both when ordering attachment parts)

**This number will be found stamped on parts
as designated in Repair Parts Book.**

BROWN & SHARPE MFG. CO.

PROVIDENCE 1, R. I., U. S. A.



Front View

**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Front View

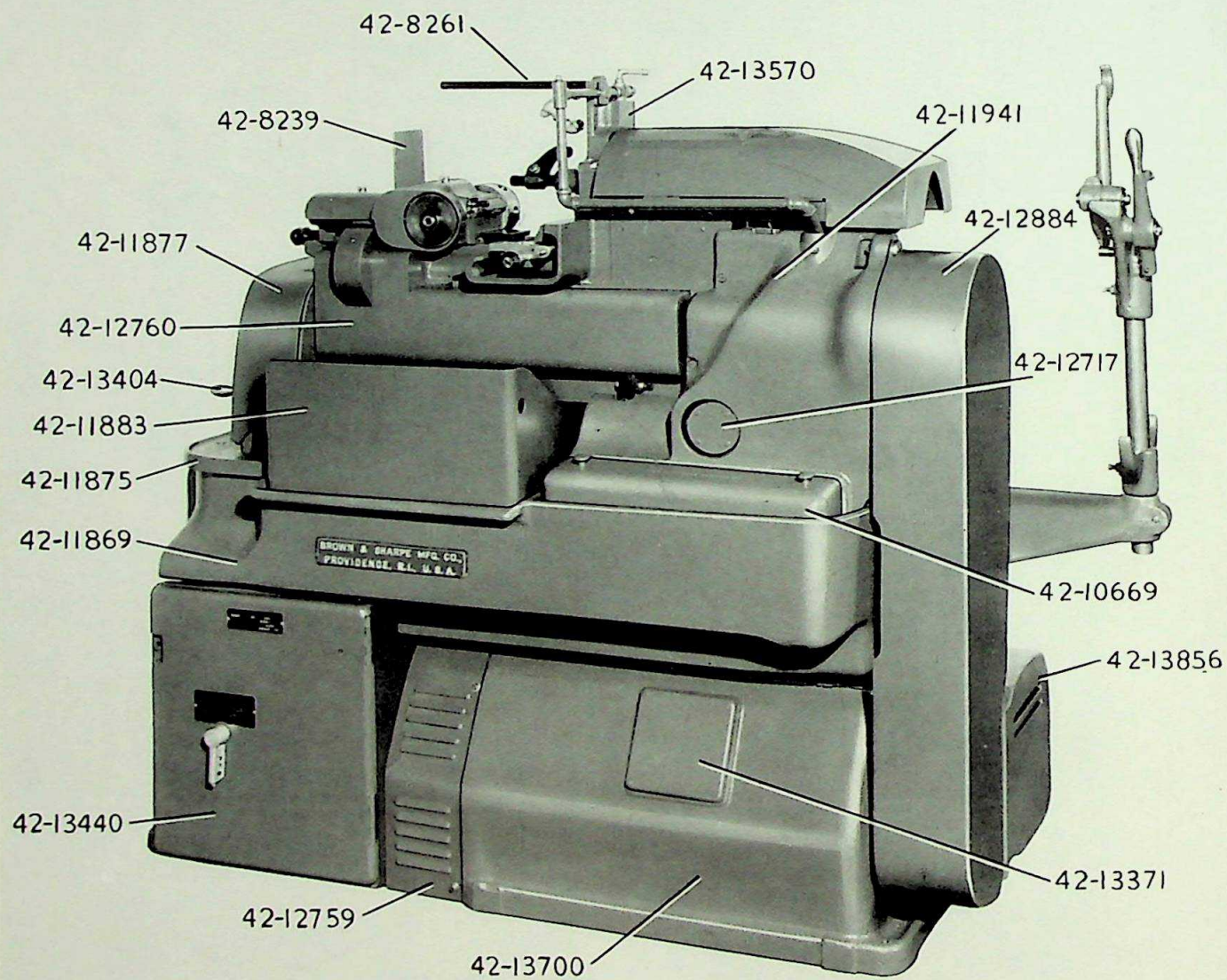
42-8147	Tool Pan, Left
42-8150	Feed Starting Lever
42-8193	Swing Stock Stop
42-8237	Cam Shaft Gear Guard
42-8238	Tool Pan, Right
42-8239	Turret Tool Oil Guard
42-8261	Oil Guard Support
42-8300	Forward Oil Guard Side
42-10363	Driving Pulley
42-10612	Feed Change Gear Box Cover
42-10618	Base Cover
42-11244	Tank Table Drain Plug
42-11868	Bed
42-11869	Tank Table
42-11874	Wrench Rack
42-11875	Bed Leg
42-11877	Feed Change Gear Guard
42-11882	Oil Shield, Front
42-11898	Motor Cover, Front
42-11908	Work Pan
42-12329	Tank Table Leg
42-12335	Tank Table Leg Cover
42-13405	Driving Shaft Crank, Complete
42-13551	Feed Slide Bracket
42-13564	Pump Chain Guard
42-13700	Base
42-13856	Spindle Change Gear Cover
42-13891	Spindle Cover

81-275 Push Button, Complete

Plate, Spindle Speed

42-13577 (Automatic Screw Machines)
*44-39 (Cutting-Off Machines)

*Not Illustrated

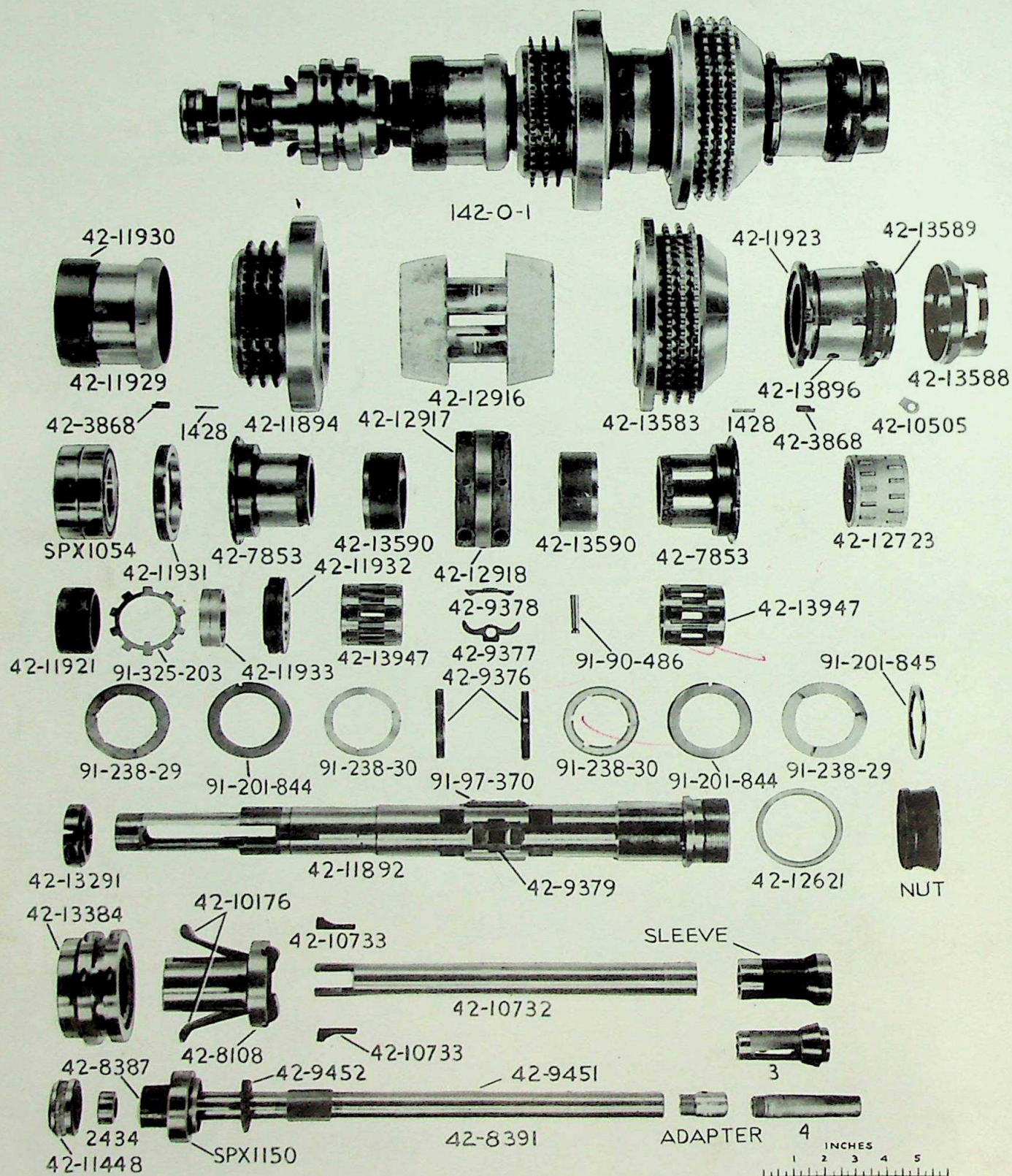


Rear View

**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Rear View

42-8239	Turret Tool Oil Guard
42-8261	Oil Guard Support
42-10669	Lubricator Tubing Guard
42-11869	Tank Table
42-11875	Bed Leg
42-11877	Feed Change Gear Guard
42-11883	Oil Shield, Back
42-11941	Driving Clutch Guard
42-12717	Receptacle Box Plate
42-12759	Motor Cover, Back
42-12760	Back Guard
42-12884	Driving Pulley Belt Guard
42-13371	Base Hand Hole Cover
42-13404	Driving Shaft Crank
42-13440	Switch Compartment Door
42-13570	Oil Pipe Support
42-13700	Base
42-13856	Spindle Change Gear Cover

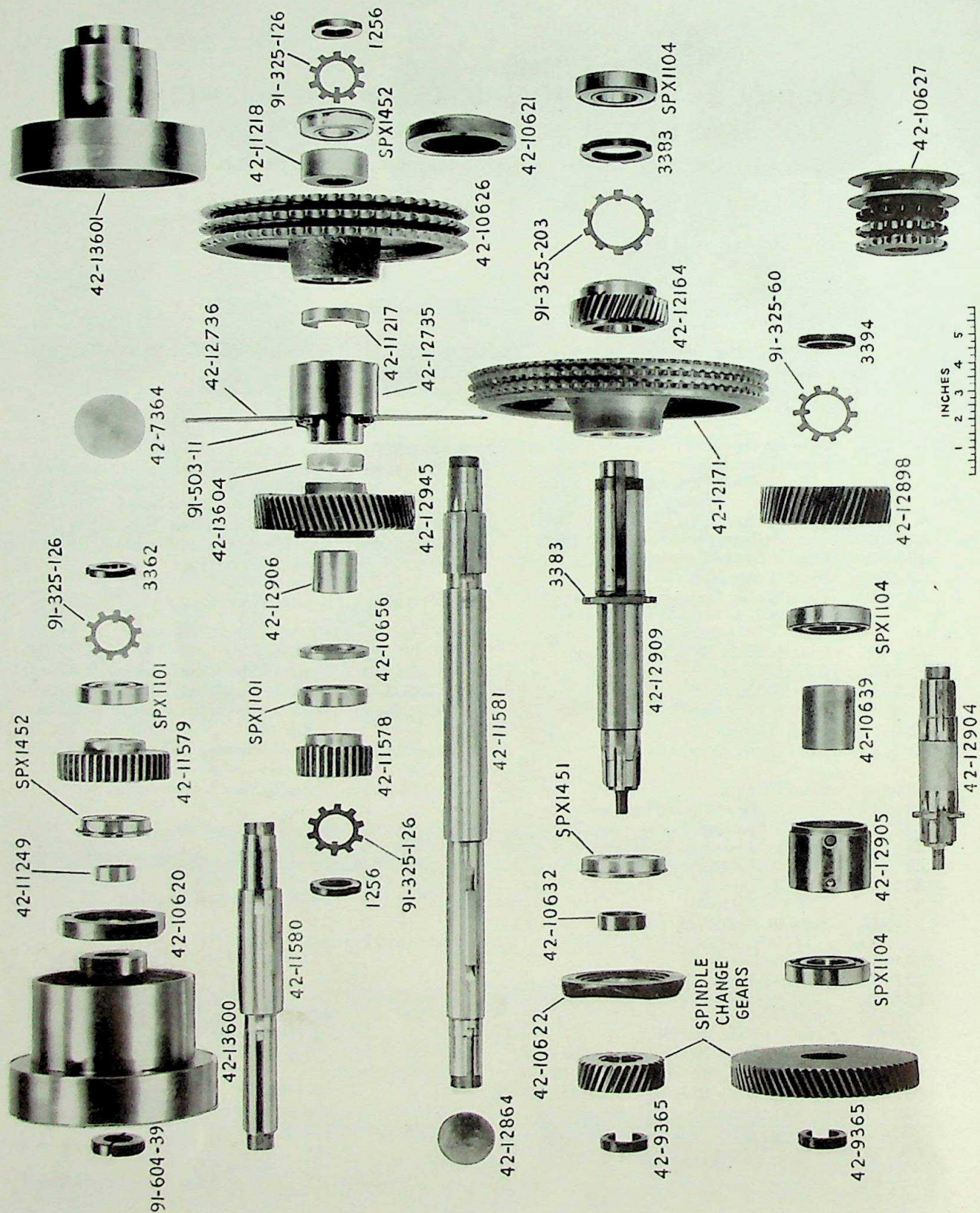


Spindle Assembly and Parts

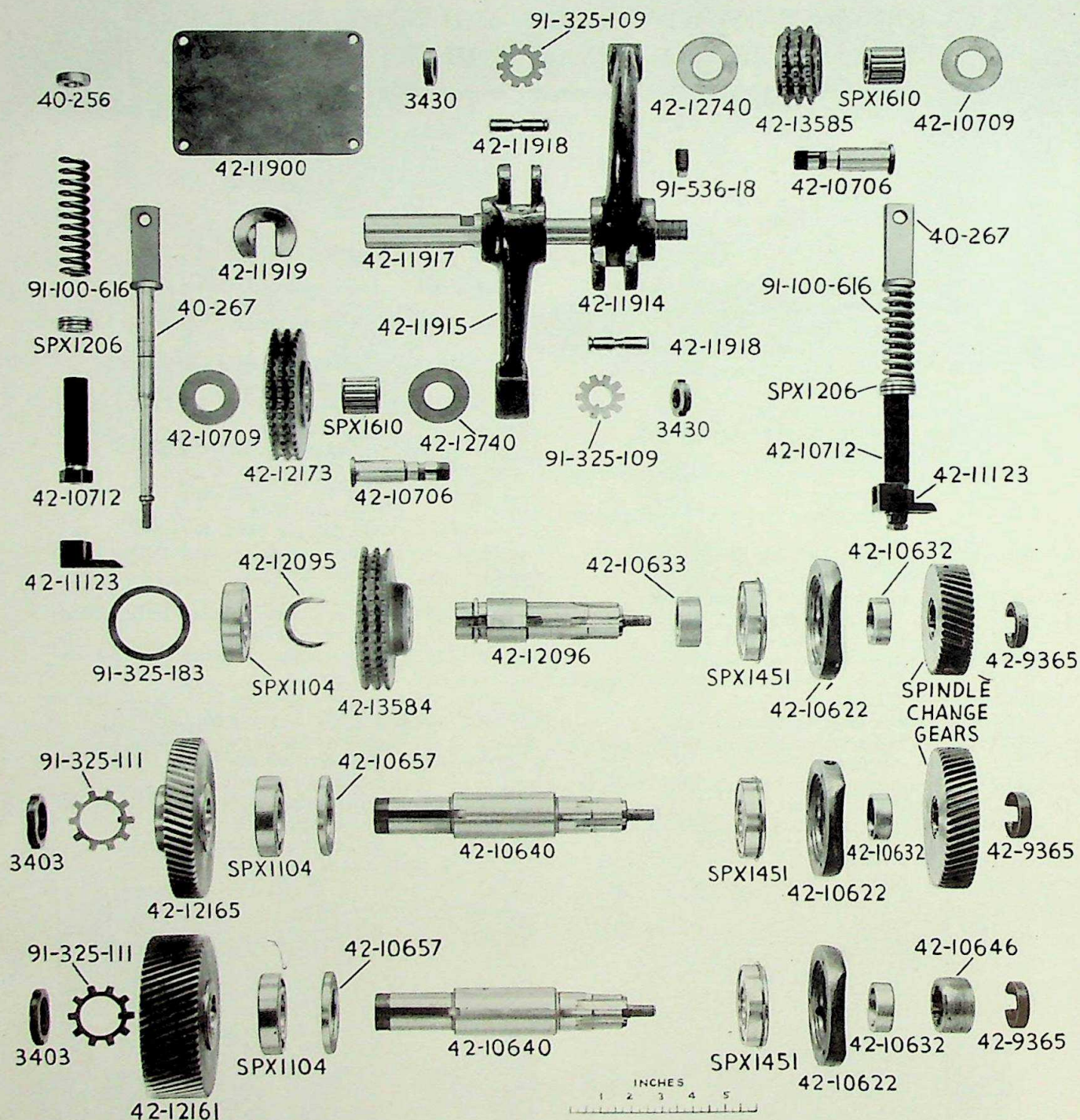
**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Spindle Assembly and Parts

3	Spring Collet (See Brown & Sharpe Catalog)	42-12723	Spindle Front Box Roller Bearing
4	Feeding Finger (See Brown & Sharpe Catalog)	42-12916	Clutch Body
		42-12917	Clutch Sleeve
		42-12918	Clutch Sleeve Ring
1428	Spindle Sprocket Plunger Spring	42-13291	Chuck Adjusting Nut
2434	Feed Tube Bushing (See Brown & Sharpe Catalog)	42-13384	Chuck Fork Sleeve, Complete
		42-13583	Spindle Sprocket, Right (Includes 1428, 42-3868, 42-7853 and 42-13590)
42-3868	Spindle Sprocket Plunger	42-13588	Spindle Nose Oil Guard
42-7853	Spindle Sprocket Bushing	42-13589	Spindle Front Box Nut, Right
42-8108	Chuck Lever Fulcrum	42-13590	Spindle Sprocket Bushing, Bronze
42-8387	Feed Tube Nut	42-13896	Spindle Front Box (Includes 42-11923 and 42-13589)
42-8391	Feed Tube, Complete (Includes 2434, 42-8387, 42-9451, 42-9452, 42-11448 and SPX1150)	42-13947	Spindle Sprocket Roller Bearing
42-9376	Clutch Body Washer	91-90-486	Clutch Lever Fulcrum
42-9377	Clutch Lever	91-97-370	Spindle Key
42-9378	Clutch Shoe	91-201-844	Spindle Sprocket Bushing Washer
42-9379	Clutch Lever Spindle Insert	91-201-845	Spindle Sprocket Washer, Right
42-9451	Feed Tube	91-238-29	Spindle Sprocket Thrust Washer, Large
42-9452	Feed Tube Washer	91-238-30	Spindle Sprocket Thrust Washer, Small
42-10176	Chuck Lever	91-325-203	Spindle Nut Lockwasher
42-10505	Spindle Front Box Nut Lock	142-0-1	Spindle Assembly, Complete
42-10732	Chuck Closing Tube	SPX1054	Spindle Rear Box Ball Bearing (Matched Pair)
42-10733	Chuck Lever Fulcrum Shoe	SPX1150	Feed Tube Ball Bearing
42-11448	Feed Tube Bushing Nut	Adapter, Feeding Finger (See Brown & Sharpe Catalog)	
42-11892	Spindle (Includes 42-9379, 91-97-370 and Sleeve 42-13606)		
42-11894	Spindle Sprocket, Left (Includes 1428, 42-3868, 42-7853 and 42-13590)	Nut, Chuck 42-11927 (For Nos. 11 and 11C Collet) 42-11928 (For No. 11B Collet)	
42-11921	Spindle Nut		
42-11923	Spindle Front Box Nut, Left	Sleeve, Chuck 42-13605 (For 11C Collet) 42-13606 (For 11 Collet)	
42-11929	Spindle Rear Box (Includes 42-11930 & 42-11931)		
42-11930	Spindle Rear Box Nut		
42-11931	Spindle Rear Bearing Retainer Nut		
42-11932	Spindle Rear Bearing Spacer, Right		
42-11933	Spindle Rear Bearing Spacer, Left		
42-12621	Spindle Front Box Felt Washer		



Spindle Drive

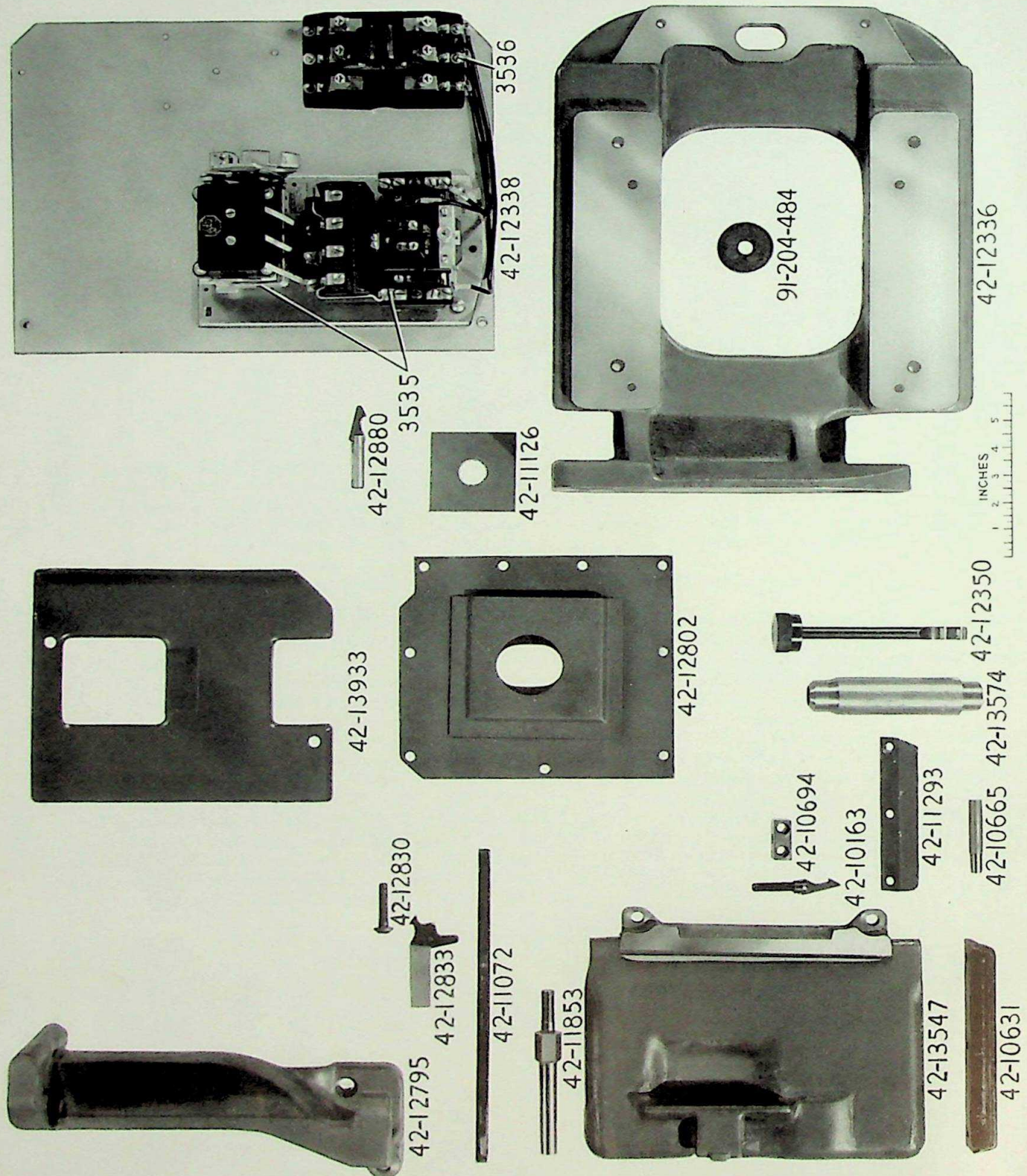


Spindle Drive (cont'd)

**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Spindle Drive (cont'd)

3403	Ratio Change Gear Shaft Nut	42-11918	Idler Adjustment Rod Fulcrum
3430	Idler Sprocket Stud Nut	42-11919	Idler Sprocket Arm Shaft Washer
		42-12095	Spindle Driving Shaft Washer
40-256	Idler Adjustment Spring Spacer	42-12096	Spindle Driving Shaft, Slow
40-267	Idler Adjustment Rod	42-12161	Ratio Intermediate Gear
		42-12165	Ratio Driven Gear
42-9365	Spindle Change Gear Washer	42-12173	Idler Sprocket, Large
		42-12740	Idler Sprocket Bearing Retainer, Inner
42-10622	Spindle Driving Shaft Bearing Retainer	42-13584	Spindle Driving Sprocket, Small
42-10632	Spindle Driving Shaft Spacer	42-13585	Idler Sprocket, Small
42-10633	Slow Spindle Driving Shaft Spacer		
42-10640	Ratio Change Gear Shaft	91-100-616	Idler Adjustment Spring
42-10646	Ratio Change Gear Collar	91-325-109	Idler Sprocket Stud Lockwasher
42-10657	Ratio Gear Shaft Bearing Plate	91-325-111	Ratio Change Gear Shaft Lockwasher
42-10706	Idler Sprocket Stud	91-325-183	Spindle Driving Shaft Spring Washer
42-10709	Idler Sprocket Bearing Retainer, Outer	91-536-18	Idler Sprocket Arm Shaft Screw
42-10712	Idler Adjusting Rod Screw		
42-11123	Idler Adjusting Rod Lock	SPX 1104	Spindle Driving Shaft (Slow) Bearing, Left
42-11900	Idler Sprocket Arm Cover	SPX 1104	Ratio Change Gear Shaft Bearing, Left
42-11912	Idler Sprocket, Right, Complete (Includes 3430, 42-10706, 42-10709, 42-11914, 42-12740, 42-13585, 91-325-109 and SPX1610)	SPX 1206	Idler Adjustment Rod Thrust Bearing
		SPX 1451	Spindle Driving Shaft (Slow) Bearing, Right
42-11913	Idler Sprocket, Left, Complete (Includes 3430, 42-10706, 42-10709, 42-11915, 42-12173, 42-12740, 91-325-109 and SPX1610)	SPX 1451	Ratio Change Gear Shaft Bearing, Right
		SPX 1610	Idler Sprocket Roller Bearing
42-11914	Idler Sprocket Arm, Right		
42-11915	Idler Sprocket Arm, Left		
42-11917	Idler Sprocket Arm Shaft		
		Spindle Change Gears	
		See Page 9	



Base Parts

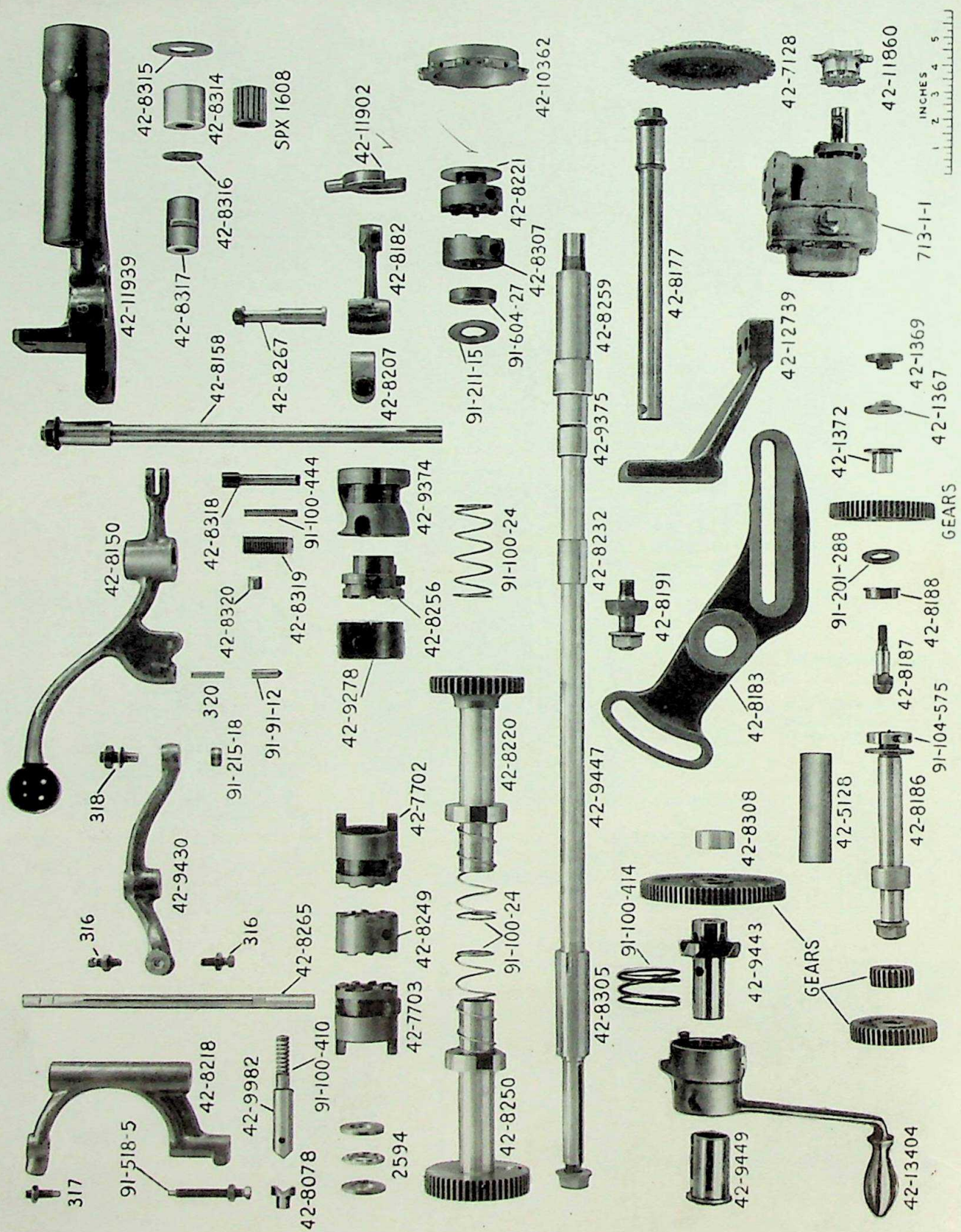
**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Base Parts

*3535	Combination Switch (Disconnect Switch and Magnetic Starter)
*3536	Reversing Switch
42-10163	Motor Cover Catch
42-10631	Ratio Change Gear Cover Oil Collector
42-10665	Motor Cover Fulcrum Pin
42-10694	Motor Cover Catch Block
42-11072	Spindle Change Gear Cover Oil Collector
42-11126	Labyrinth Oil Seal
42-11293	Cover Oil Deflector
42-11853	Change Gear Cover Bracket Stud
42-12336	Motor Bracket
42-12338	Control Panel Base
42-12350	Oil Gage Cap
42-12795	Spindle Change Gear Cover Bracket
42-12802	Motor Shaft Oil Labyrinth
42-12830	Catch Adjusting Screw
42-12833	Change Gear Cover Catch
42-12880	Switch Compartment Cover Catch
42-13547	Ratio Change Gear Cover
42-13574	Oil Gage Sleeve
42-13933	Base Gear Guard
91-204-484	Motor Bracket Washer
NOT SHOWN	
†3773	Motor
42-13264	Push Button Conduit

*Specify Volts, Cycles and Phase.

†Give complete Motor Name Plate Data.



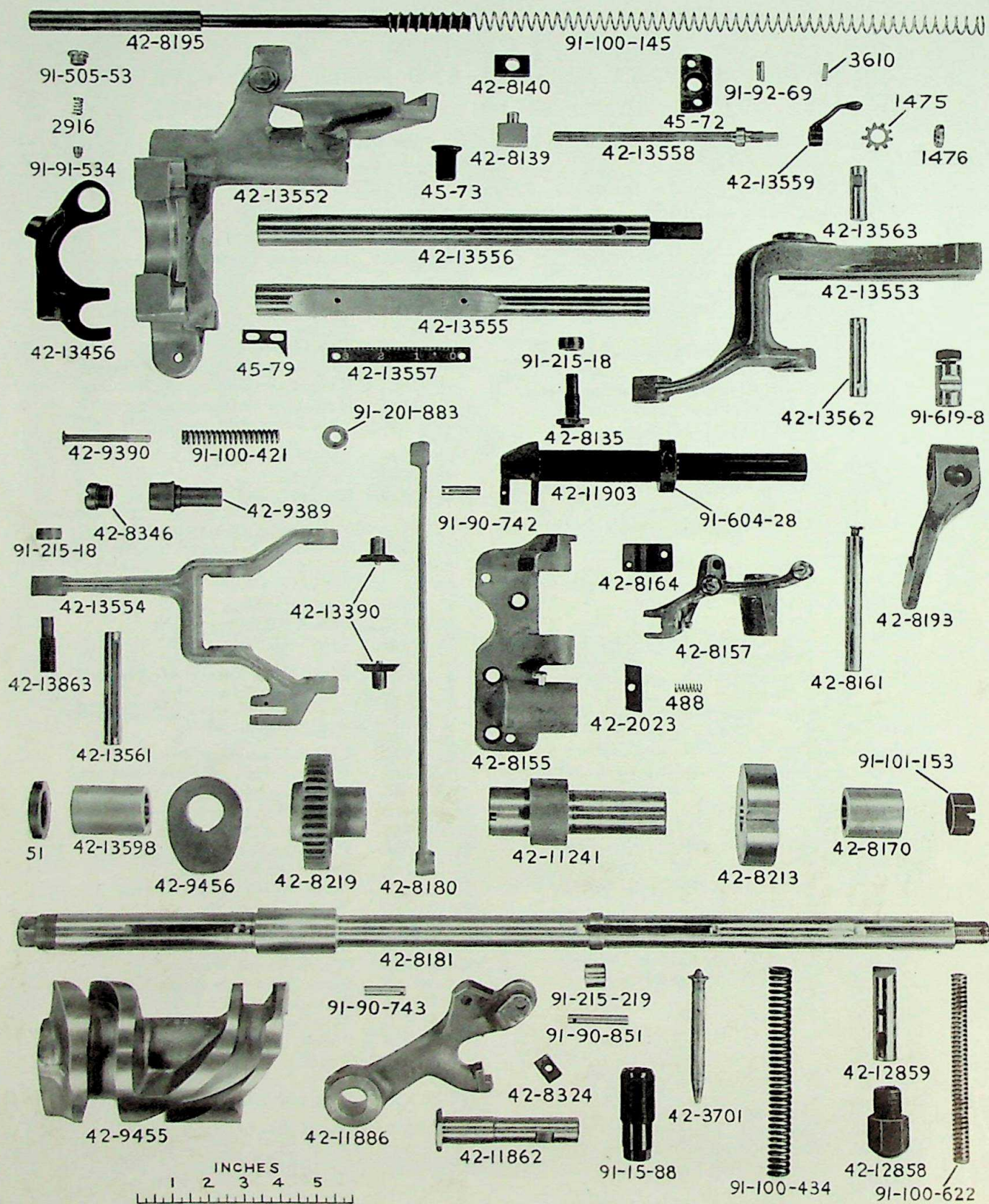
Driving Mechanism

ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF MACHINE.

(See instructions "How to order Repair Parts" in this book.)

Clutch Trip Levers and Operating Parts

89	Reversing Shaft Nut	42-11881	Reversing Clutch Trip Lever (Includes 1454, 1458, 42-12302, 42-12680, 42-12685, 42-12796, 91-18-26 and 91-527-15)
93	Cross Slide Cam Shaft Gear Nut	42-12302	Spring Retainer Pin
94	Lead Cam Shaft Gear Nut	42-12394	Cross Slide Cam Shaft
176	Trip Lever Plunger Spring	42-12680	Trip Lever Dog Spring Plunger
1453	Lever Abutment Adjusting Screw, Long & Nut	42-12685	Trip Lever Dog Spring Retainer
1454	Lever Abutment Adjusting Screw, Short & Nut	42-12764	Trip Lever Abutment, Right
1457	Trip Dog Bolt & Nut	42-12765	Trip Lever Abutment, Left (Includes 91-527-274)
1458	Trip Lever Dog Spring	42-12796	Trip Lever Dog
2545	Trip Lever Spring Plunger Washer	42-12800	Deflector
2547	Worm Adjusting Screw Washer	42-12850	Turret Clutch Trip Lever (Includes 1453, 1458, 42-12302, 42-12680, 42-12685, 91-1826 and 91-527-276)
42-656	Cross Slide Cam Holder, Front	42-13837	Reverse Trip Lever Plunger Bushing
42-1368	Lead Cam Clamp Nut	42-13845	Safety Latch Carrier Screw
42-1454	Cross Slide Cam Shaft Gear	42-13851	Turret or Chuck Dog Carrier
42-1455	Lead Cam Shaft Gear	42-13852	Reversing Dog Carrier
42-2343	Lead Cam Shaft	42-15303	Turret Trip Dog, Right
42-8006	Trip Lever Spring Plunger	42-15304	Trip Dog, Left
42-8151	Trip Lever Stop, With Nut	44-28	Cross Slide Cam Shaft Sleeve (Cutting-Off Machines)
42-8223	Reversing Shaft Coupling (Includes 91-325-14)	44-34	Chuck Trip Lever Fulcrum Collar (Cutting-Off Machines)
42-8227	Cross Slide Cam Shaft Collar	91-18-26	Clutch Operating Screw & Nut
42-8228	Cross Slide Cam Holder, Back	91-90-363	Worm Adjusting Case Fulcrum
42-8233	Trip Lever Fulcrum Collar	91-90-798	Reversing Shaft Coupling Plunger
42-8236	Turret and Chuck Trip Lever Fulcrum	91-100-476	Worm Safety Latch Spring
42-8241	Worm Wheel	91-100-486	Worm Safety Clutch Spring
42-8242	Lead Cam Holder	91-100-659	Deflector Spring
42-8245	Worm Adjusting Locking Nut	91-104-160	Lead Cam Shaft Nut
42-8246	Worm Adjusting Screw	91-104-229	Cross Slide Cam Shaft Nut
42-8253	Worm Shaft Bushing, Right	91-104-599	Work Thrust Nut
42-8269	Reversing Shaft Collar	91-115-34	Worm Shaft Nut
42-9527	Worm Wheel Guard	91-201-880	Cross Slide Cam Shaft Washer
42-9773	Worm Safety Latch	91-201-930	Worm Sleeve Washer
42-9911	Worm Safety Clutch, Driver	91-204-63	Cross Slide Cam Shaft Sleeve
42-9912	Worm Safety Latch Carrier	91-325-14	Reverse Shaft Coupling Spring
42-9943	Worm Case (Includes 42-8253)	91-527-15	Trip Lever Dog Bolt, Short & Nut
42-9944	Worm Sleeve	91-527-274	Back Guard Pivot Eccentric
42-9945	Safety Clutch Drive Shaft	91-527-276	Trip Lever Dog Bolt, Long & Nut
42-9963	Worm Safety Clutch, Driven	91-601-55	Safety Clutch Drive Shaft Nut
42-9965	Worm Safety Clutch Sleeve	91-604-26	Worm Shaft Bushing Nut
42-10494	Deflector Fulcrum	SPX 1005	Worm Sleeve Ball Bearing
42-10495	Deflector Fulcrum Collar	Dog, Deflector	
42-10809	Deflector Plunger	42-15461 (16 1/3° Angle of Arc)	
42-11861	Reverse Trip Lever Fulcrum	42-15462 (45° Angle of Arc)	
42-11870	Chuck Clutch Trip Lever (Includes 1453, 1458, 42-12302, 42-12680, 42-12685, 42-12796, 91-18-26 and 91-527-15)	42-15463 (72° Angle of Arc)	
42-11880	Reversing Shaft	Gears, Feed Change	
		See page 15	

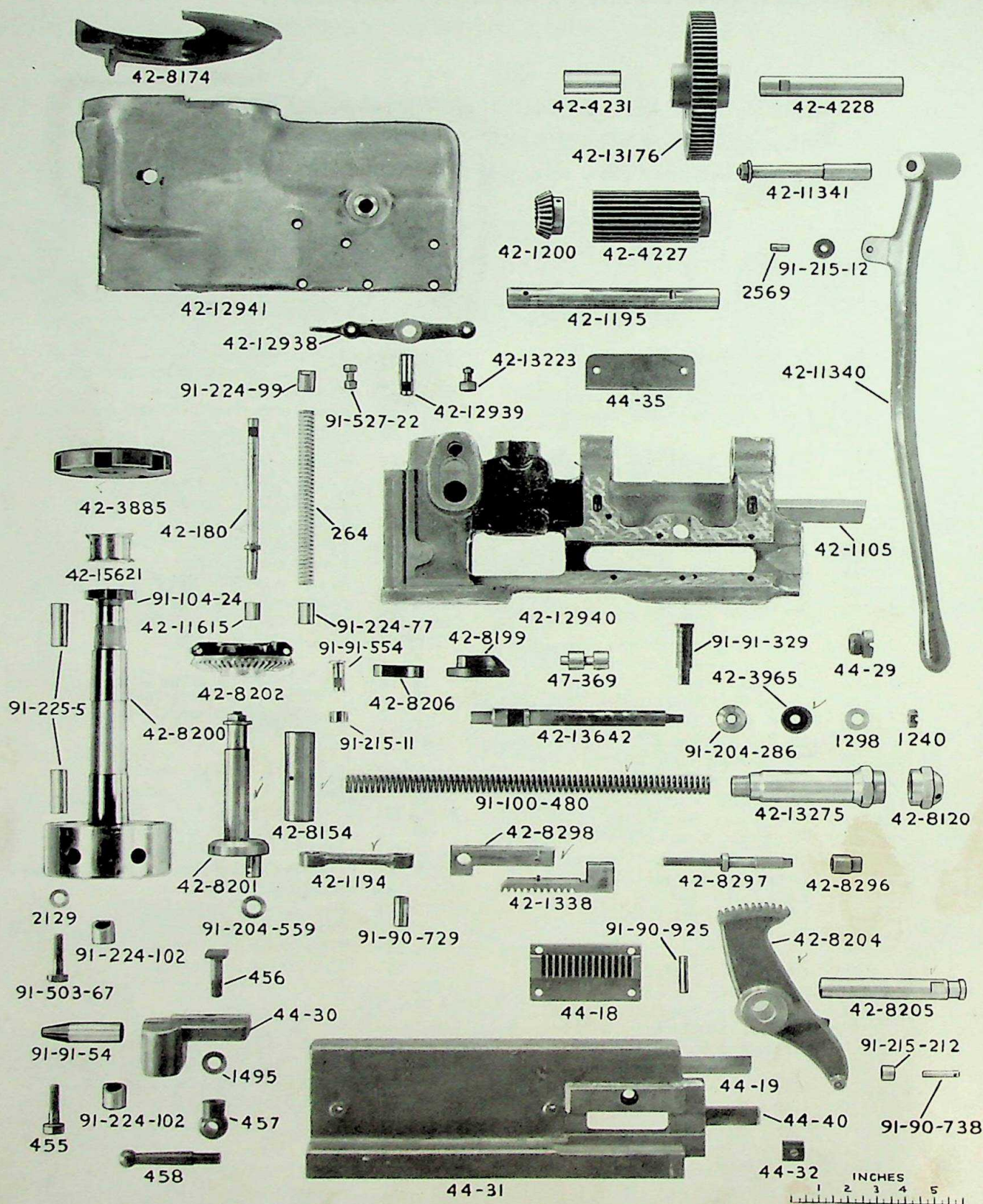


Chuck and Feed Operating Parts

**ORDER BY PART NUMBER AND NAME ALSO GIVE
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(See instructions "How to order Repair Parts" in this book.)**

Chuck and Feed Operating Parts

51	Chuck Cam Shaft Nut, Left	42-13456	Feed Latch (Includes 2916, 91-91-534 and 91-505-53)
488	Stopping Lever Latch Spring	42-13552	Feed Slide
1475	Feed Adjusting Screw Lockwasher	42-13553	Feed Lever (Includes 42-8135 and 91-215-18)
1476	Feed Adjusting Screw Nut	42-13554	Chuck Fork (Includes 42-13863 and 91-215-18)
2916	Feed Tube Bearing Plunger Spring	42-13555	Feed Slide Guide
3610	Feed Adjusting Screw Locking Spring	42-13556	Feed Slide Round Bar Way
42-2023	Stopping Lever Latch	42-13557	Feed Scale
42-3701	Cam Lever Spring Plunger	42-13558	Feed Adjusting Screw
42-8135	Feed Cam Roll Stud	42-13559	Feed Adjusting Screw Crank
42-8139	Feed Adjusting Screw Nut	42-13561	Chuck Fork Fulcrum
42-8140	Feed Lever Block	42-13562	Feed Lever Fulcrum, Long
42-8155	Starting Lever Bracket (Includes 42-8164)	42-13563	Feed Lever Fulcrum, Short
42-8157	Stopping Lever (Includes 488 and 42-2023)	42-13598	Chuck Cam Shaft Bushing
42-8161	Stopping Lever Fulcrum	42-13863	Chuck Cam Roll Stud
42-8164	Starting Lever Plunger Plate	45-72	Feed Adjusting Screw Cap (Includes 3610 and 91-92-69)
42-8170	Chuck Cam Shaft Collar	45-73	Feed Slide Bearing Adjusting Screw
42-8180	Stock Stop Connecting Link	45-79	Feed Pointer
42-8181	Chuck Cam Shaft		
42-8193	Swing Stock Stop (Includes 91-619-8)	91-15-88	Stock Stop Spring Bushing
42-8195	Stopping Spring Plunger	91-90-742	Stock Stop Link Pin, Short
42-8213	Chuck and Feed Cam Stop Disk	91-90-743	Stock Stop Link Pin, Long
42-8219	Chuck Cam Shaft Gear	91-90-851	Stock Stop Cam Roll Pin
42-8324	Stock Stop Cam Lever Plate	91-91-534	Feed Tube Bearing Plunger
42-8346	Feed Latch Plunger Sleeve Nut	91-92-69	Feed Adjusting Screw Locking Plunger
42-9389	Feed Latch Plunger Sleeve	91-100-145	Stopping Spring
42-9390	Feed Latch Plunger	91-100-421	Feed Latch Plunger Spring
42-9455	Chuck and Feed Cam	91-100-434	Stock Stop Cam Lever Spring
42-9456	Stock Stop Cam	91-100-622	Disk Plunger Spring
42-11241	Chuck Cam Shaft Sleeve	91-101-153	Chuck Cam Shaft Nut
42-11862	Stock Stop Cam Lever Fulcrum	91-201-883	Feed Latch Plunger Washer
42-11886	Stock Stop Cam Lever (Includes 42-8324, 91-90-851 and 91-215-219)	91-215-18	Feed Cam Roll
42-11903	Stock Stop Shaft	91-215-18	Chuck Cam Roll
42-12858	Disk Plunger Spring Screw	91-215-219	Stock Stop Cam Lever Roll
42-12859	Chuck Cam Shaft Disk Plunger	91-505-53	Feed Tube Bearing Plunger Screw
42-13390	Chuck Fork Sleeve Shoe	91-604-28	Stock Stop Shaft Nut
		91-619-8	Stock Stop Clamp Bushing, Complete



Turret and Stop Holder Slide Parts

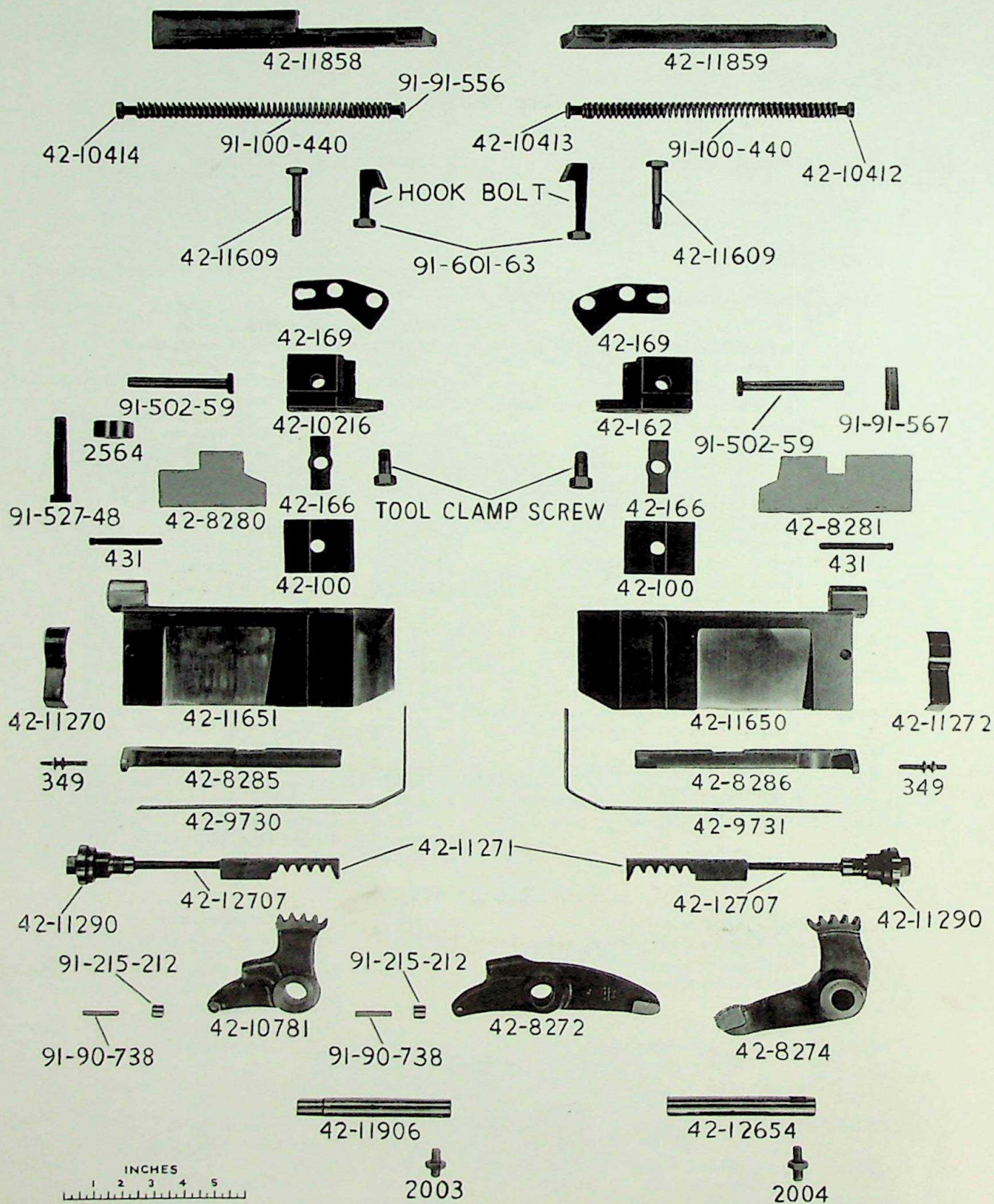
Turret and Stop Holder Slide Parts

Automatic Screw Machines

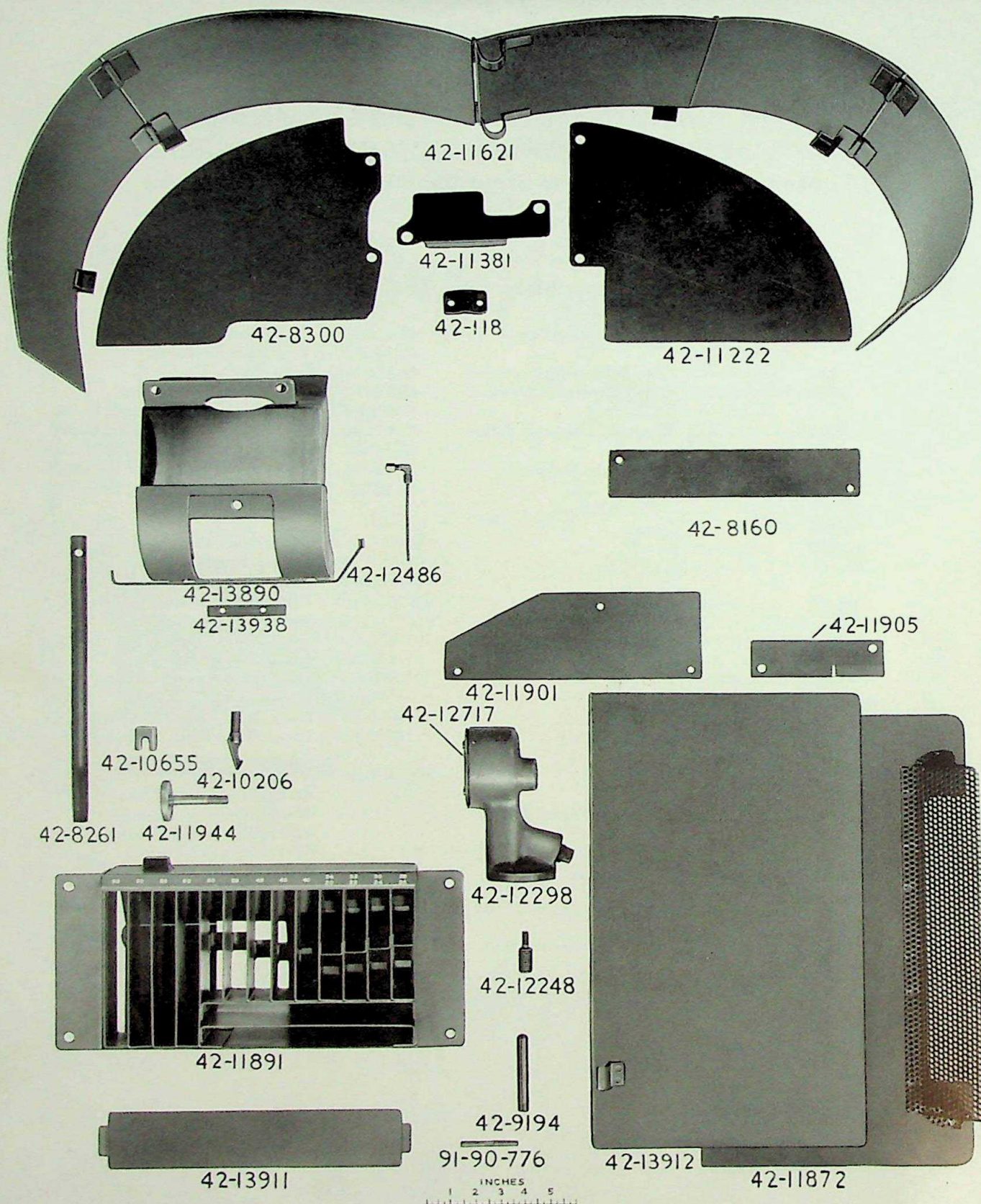
264	Turret Locking Pin Spring	42-11340	Turret Slide Lever (Includes 2569, 42-11341 and 91-215-12)
1240	Plunger Nut	42-11341	Turret Slide Lever Fulcrum
1298	Plunger Nut Washer	42-11615	Turret Locking Pin Bushing
2129	Turret Tool Clamp Washer	42-12938	Turret Locking Pin Lever (Includes 42-13223 and 91-527-22)
2569	Turret Slide Lever Pin	42-12939	Turret Locking Pin Lever Fulcrum
42-180	Turret Locking Pin (Includes 91-224-77)	42-12940	Turret Slide (Includes 42-8154, 42-8174 and 42-12941)
42-1105	Turret Slide Gib	42-12941	Turret Slide Guard
42-1194	Connecting Rod	42-13176	Turret Intermediate Gear (Includes 42-4231)
42-1195	Turret Gear Shaft	42-13223	Turret Locking Pin Cam Stud and Nut
42-1200	Turret Change Shaft Driving Gear	42-13274	Turret Cushion, Complete (Includes 1240, 1298, 42-3965, 42-8120, 42-13275, 42-13642 and 91-204-286)
42-1338	Turret Slide Rack		Turret Cushion Case
42-3885	Turret Disk	42-13275	Turret Slide Spring Plunger
42-3965	Plunger Washer, Cupped	42-13642	Turret Disk Driving Sleeve
42-4227	Turret Gear	42-15621	
42-4228	Turret Intermediate Gear Shaft		
42-4231	Turret Intermediate Gear Bushing	91-90-729	Connecting Rod Pin
42-8120	Turret Cushion Case Nut	91-90-738	Lead Lever Roll Pin
42-8154	Turret Change Shaft Bushing	91-91-329	Turret Slide Spring Plunger Pin
42-8174	Turret Disk Guard	91-91-554	Turret Change Roll Stud
42-8199	Turret Locking Pin Cam		
42-8200	Turret (Includes 42-15621)	91-100-480	Turret Slide Spring
42-8201	Turret Change Shaft (Includes 91-204-559)	91-104-24	Turret Disk Nut
42-8202	Turret Change Shaft Gear (Includes 91-91-554 and 91-215-11)	91-204-286	Plunger Collar
42-8204	Lead Lever (Includes 91-90-738 and 91-215-212)	91-204-559	Connecting Rod Collar
42-8205	Lead Lever Fulcrum	91-215-11	Turret Change Roll
42-8206	Locking Pin Cam Extension (Double Indexing)	91-215-12	Turret Slide Lever Roll
42-8296	Turret Slide Adjusting Screw Nut	91-215-212	Lead Cam Roll
42-8297	Turret Slide Adjusting Screw	91-224-102	Turret Tool Clamp Bushing
		91-224-77	Turret Locking Pin Sleeve, Front
		91-224-99	Turret Locking Pin Sleeve, Back
		91-225-5	Turret Bushing
		91-503-67	Turret Tool Clamp Bolt
42-8298	Connecting Rod Bar	91-527-22	Turret Locking Pin Stud and Nut

Automatic Cutting-Off Machines

455	Stop Clamp Bolt	44-29	Turret Cushion Screw
456	Stop Holder Clamp Bolt	44-30	Stop Holder (Includes 455, 456, 457, 458, 1495 and 91-224-5)
457	Stop Holder Clamp Nut	44-31	Stop Holder Slide (Includes 44-18 and 44-40)
458	Stop Holder Clamp Lever	44-32	Stop Holder Slide Stop
1495	Stop Holder Clamp Bolt Washer	44-35	Turret Intermediate Gear Hole Cover
2569	Turret Slide Lever Pin	44-40	Stop Holder Slide End Guard
42-8204	Lead Lever (Includes 91-90-738 and 91-215-212)	47-369	Turret Slide Spring Plunger
42-8205	Lead Lever Fulcrum	91-90-738	Lead Lever Roll Pin
42-11340	Turret Slide Lever (Includes 2569, 42-11341 and 91-215-12)	91-90-925	Stop Holder Slide Pin
42-11341	Turret Slide Lever Fulcrum	91-91-54	Stock Stop
		91-100-480	Turret Slide Spring
		91-215-12	Turret Slide Lever Roll
		91-215-212	Lead Cam Roll
44-18	Stop Holder Slide Rack	91-224-102	Stop Clamp Bushing
44-19	Stop Holder Slide Gib		



Cross Slides and Tool Posts



Guards, etc.

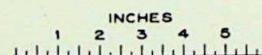
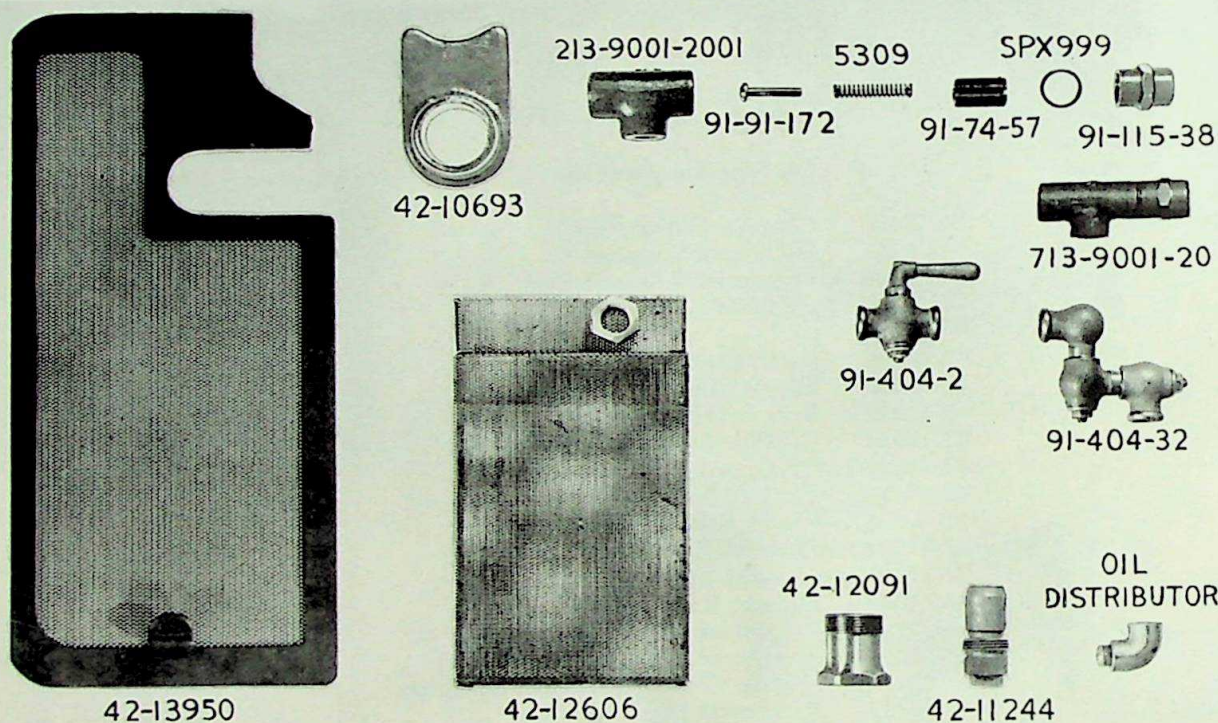
**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Guards, etc.

42-118	Oil Pipe Support Cap
42-8160	Channel Cover, Right
42-8261	Oil Guard Support
42-8300	Forward Oil Guard Side
42-9194	Oil Shield Pin
42-10206	Back Guard Catch
42-10655	Hinge Block
42-11222	Rear Oil Guard Side
42-11381	Oil Pipe Support Splash Guard
42-11621	Oil Guard
42-11872	Tank Plate, Right
42-11891	Feed Change Gear Box
42-11901	Channel Cover, Center
42-11905	Channel Cover, Left
42-11944	Driving Clutch Guard Screw
42-12248	Lubricator Adjustment Screw
42-12298	Receptacle Box (Includes 42-12717)
42-12486	Spindle Clutch Oil Tube, Complete
42-12717	Receptacle Box Plate
42-13890	Spindle Sprocket Guard
42-13911	Tank Plate, Front
42-13912	Tank Plate, Left
43-13938	Spindle Sprocket Guard Support
91-90-776	Feed Change Gear Guard Fulcrum

**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Coolant System

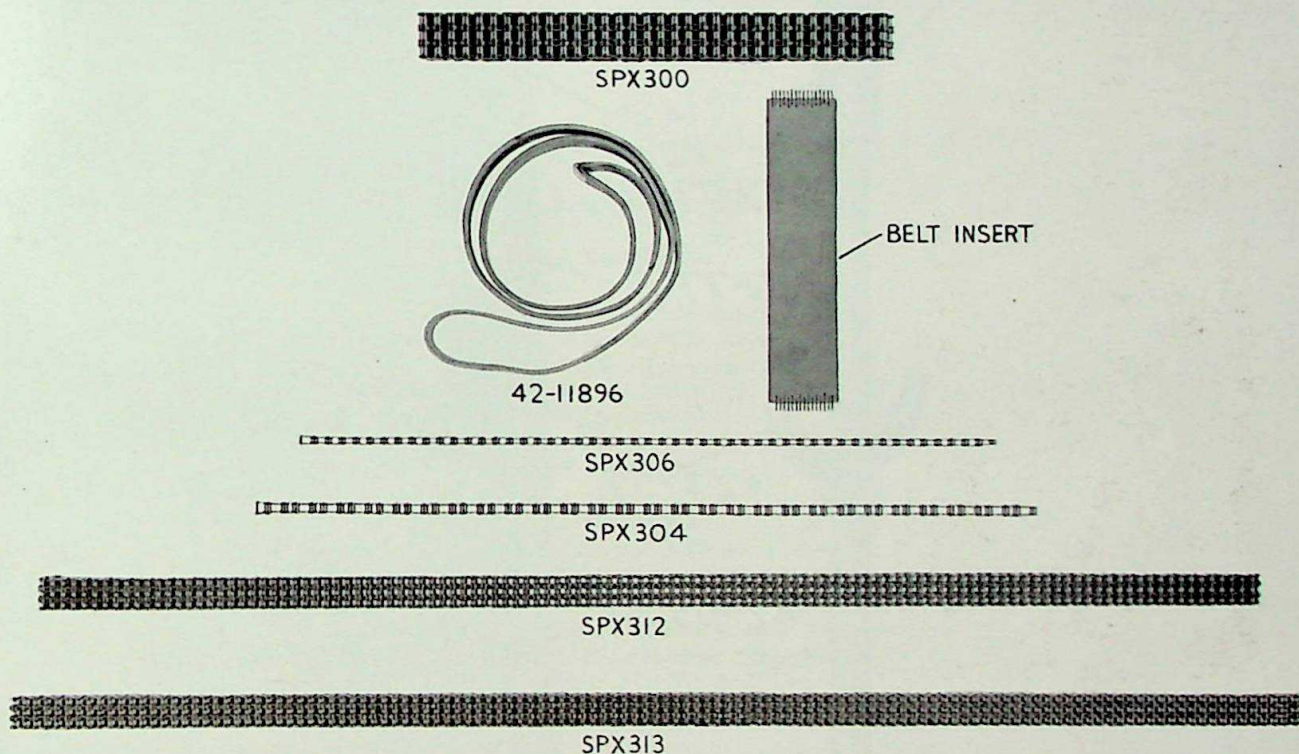


5309	Relief Valve Plunger Spring	91-404-32	Universal Swing Joint
42-10693	Strainer Oil Pipe Sleeve	213-9001-2001	Relief Valve Body
42-11244	Tank Table Drain Plug	713-9001-20	Relief Valve, Complete
42-12091	Tank Table Drain Plug Bushing	SPX 999	Adjusting Screw Cap Gasket
42-12606	Oil Strainer		
42-13950	Tank Strainer		
91-74-57	Relief Valve Adjustment Screw	Oil Distributor	
91-91-172	Relief Valve Plunger	42-8321 (With Slot)	
91-115-38	Adjusting Screw Cap	42-8322 (Plain)	
91-404-2	Straight Cock, Lever Handle		

Coolant Pump Complete—See Page 14

**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Belt and Chains



42-11896 Driving Pulley Belt

SPX300 Motor Sprocket Chain
(American Standard E. 40 Roller Chain with
68 links including connecting link, run in.)

SPX304 Pump Sprocket Chain
SPX306 Lubricator Sprocket Chain

SPX312 Spindle Sprocket Chain, Right
(American Standard E. 35 Roller Chain with
235 links including one offset and one con-
necting link, run in.)

SPX313 Spindle Sprocket Chain, Left
(American Standard E. 35 Roller Chain with
248 links including connecting link, run in.)

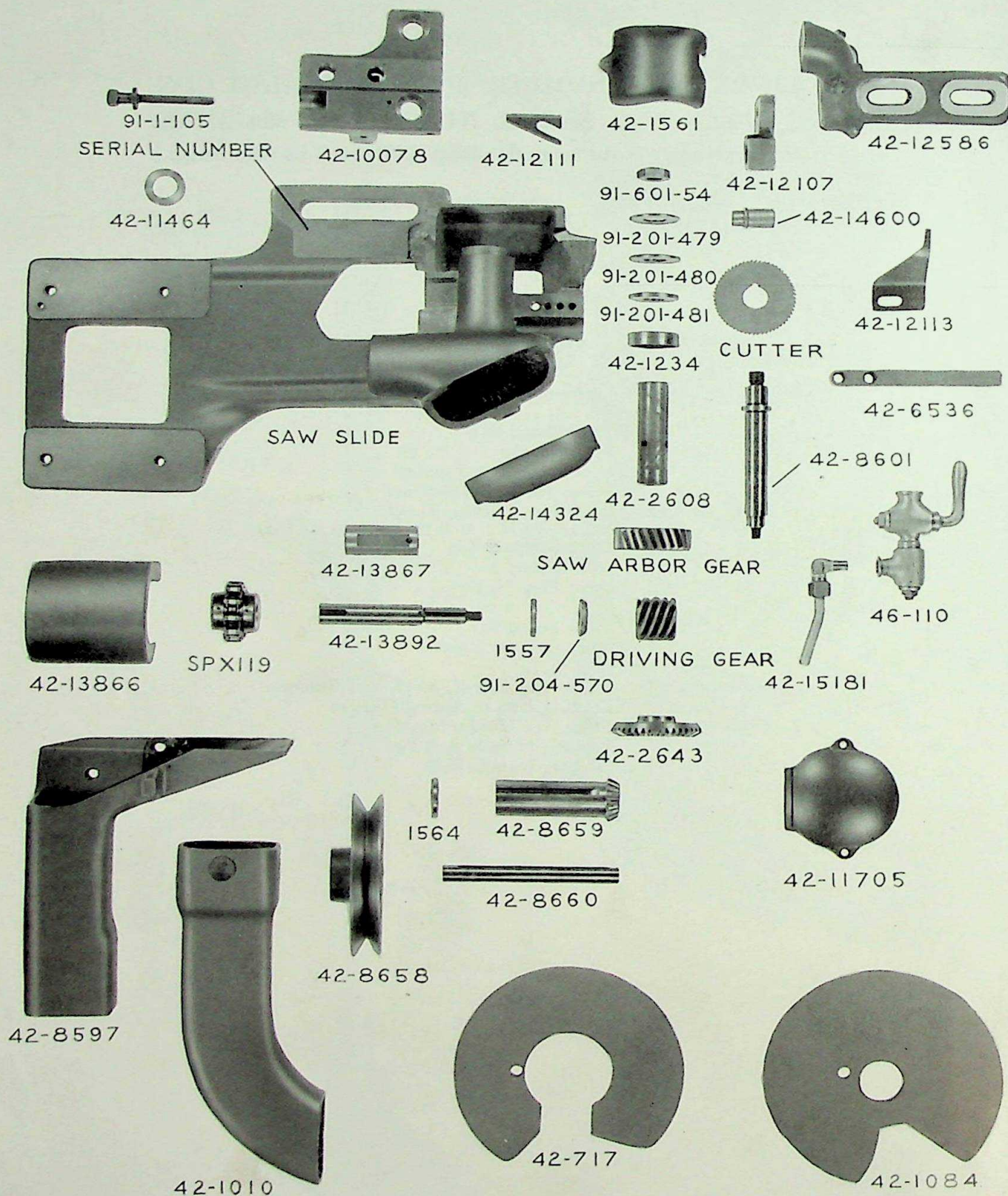
Belt Insert, Driving Pulley
42-11897 (For open belt)
42-13853 (For crossed belt)

Notes On Main Driving Chains

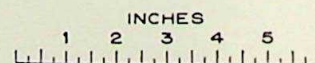
The main driving chains are specified in general terms, being identified by American Standard Roller Chain standards. Notice that all these chains are *run in*. The stretch in a regular commercial chain (not run in) develops rapidly during the first hours of operation and adjustment must be made almost hourly. In addition it will probably be necessary to remove chain links during the first days of operation.

A chain which stretches and operates without proper tension will ride out on its sprocket and will permit the rollers to strike the tips of the sprocket teeth. When running in this manner a chain can be ruined during its first day of operation.

Even with "Run-In" chains regular checks on chain tension should be made, for maximum chain life cannot be obtained unless proper tension is maintained.



Screw Slotting Attachment



ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.

(See instructions "How to order Repair Parts" in this book.)

Screw Slotting Attachment

Parts common to Motor and Belt Driven Attachments

42-717	Rotating Cam	46-110	Swing Pendant
42-1010	Screw Chute Extension	91-1-105	Saw Slide Adjusting Screw
42-1084	Slotting Cam	91-201-479	Saw Arbor Washer ($\frac{1}{16}$ " Thick)
42-1234	Saw Arbor Collar	91-201-480	Saw Arbor Washer ($\frac{3}{32}$ " Thick)
42-1561	Saw Guard	91-201-481	Saw Arbor Washer ($\frac{1}{8}$ " Thick)
42-2608	Saw Arbor Bushing	91-601-54	Saw Arbor Nut
42-6536	Screw Holder Arm Stop		
42-8597	Screw Chute	Cutter	705-450-537 (High Speed Steel)
42-8601	Saw Arbor		705-456-537 (Carbon Steel)
42-10078	Saw Slide Bracket		
42-12107	Screw Holder	Saw Slide	
42-12111	Screw Holder Support		42-12110 (Includes 42-1561, 42-2608 and 42-11705, Belt Driven)
42-12113	Ejector		42-13868 (Includes 42-1561, 42-2608, 42-13866, 42-13867 and 42-14324, Motor Driven)
42-12586	Screw Holder Arm		
42-14600	Slotting Bushing Blank		
42-15181	Oil Distributor		

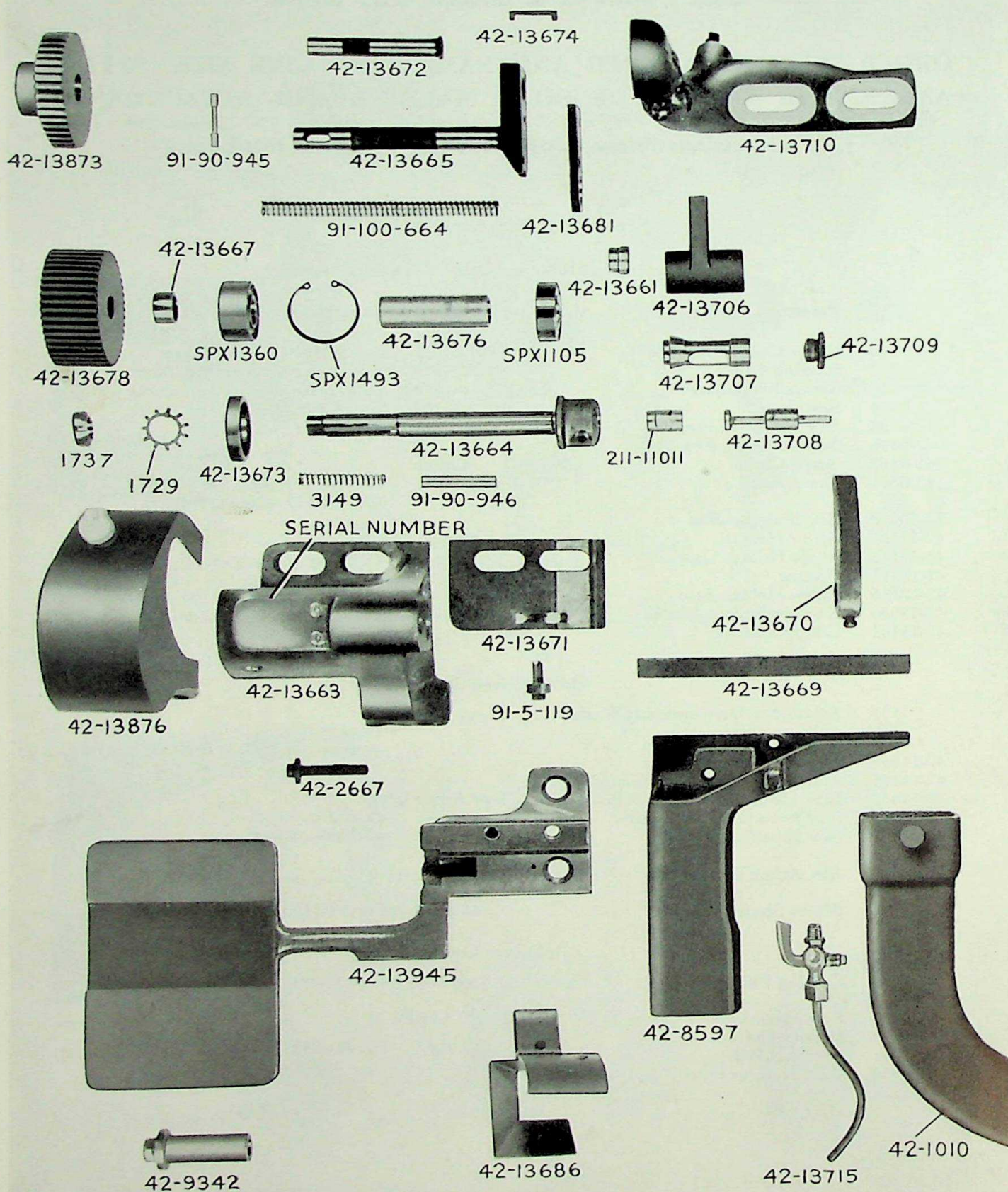
Motor Driven Only

1557	Saw Arbor Driving Shaft Washer, Bronze	Driving Gear	42-8607 (2 Teeth)
			42-8605 (5 Teeth)
42-11464	Motor Washer		
42-13866	Motor Shaft Coupling Guard	Saw Arbor Gear	
42-13867	Saw Arbor Driving Shaft Bushing		42-8604 (25 Teeth)
42-13892	Saw Arbor Driving Shaft		42-8606 (32 Teeth)
42-14324	Saw Slide Cover		
91-204-570	Saw Arbor Driving Shaft Washer	NOT SHOWN	
SPX119	Motor Shaft Coupling	42-8608	Forward Oil Guard Side

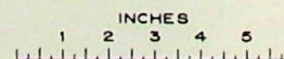
Belt Driven Only

1564	Driving Pulley Washer	42-11705	Gear Guard
42-2643	Saw Arbor Gear	NOT SHOWN	
42-8658	Driving Pulley	42-9347	Forward Oil Guard Side
42-8659	Driving Gear		
42-8660	Driving Gear Stud		

For Transferring Mechanism parts see pages 44-45.



Burring Attachment



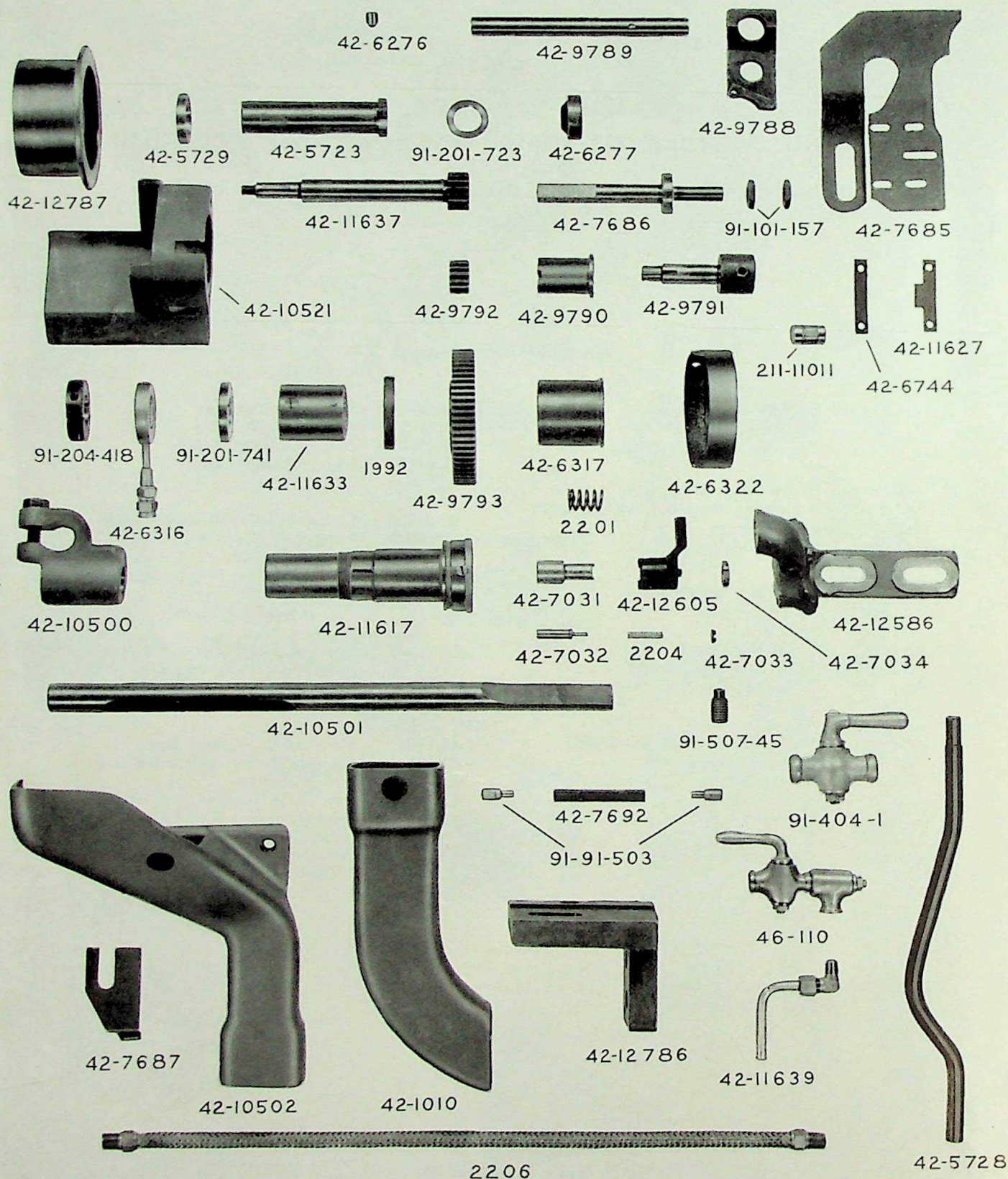
**ORDER BY PART NUMBER AND NAME ALSO GIVE *SIZE, STYLE*
AND *SERIAL NUMBER* OF BOTH MACHINE AND ATTACHMENT.**

(See instructions "How to order Repair Parts" in this book.)

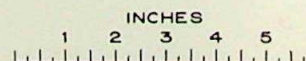
Burring Attachment

1729	Spindle Lockwasher	42-13710	Work Holder Arm
1737	Spindle Locknut	42-13715	Oil Piping
3149	Spindle Plunger Spring	42-13873	Motor Gear 45 Teeth
		42-13876	Motor Gear Guard
		42-13945	Motor Bracket
42-1010	Screw Chute Extension	91-5-119	Spindle Slide Adjusting Screw
42-2667	Adjusting Plate Adjusting Screw	91-90-945	Spring Retainer Pin
42-8597	Screw Chute	91-90-946	Spring Plunger
42-9342	Cross Slide Stop Nut	91-100-664	Work Bushing Holder Spring
*42-13661	Work Bushing Blank		
42-13663	Spindle Slide	211-11011	No. 11 Bushing Blank
42-13664	Spindle		
42-13665	Work Bushing Holder	SPX1105	Spindle Ball Bearing, Front
42-13667	Spindle Gear Spacer	SPX1360	Spindle Ball Bearing, Rear
42-13669	Work Holder Arm Stop	SPX1493	Spindle Bearing Retaining Ring
42-13670	Ejector		
42-13671	Adjusting Plate	NOT SHOWN	
42-13672	Work Bushing Holder Guide	42-13687	Forward Oil Guard Side
42-13673	Bearing Retainer	42-13718	Spindle Pulley (Belt Driven from Countershaft)
42-13674	Work Bushing Holder Guide Key	42-13744	Saw Slide Bracket (Belt Driven)
42-13676	Spindle Bearing Spacer	42-14347	Spindle Pulley (Belt Driven from Attachment Driving Stand)
42-13678	Spindle Gear 45 Teeth	42-14697	Attachment Driving Pulley 12" Diameter (Belt Driven)
42-13681	Work Bushing Plate		
42-13686	Work Chute, Upper	42-14725	Rotating Cam Blank
42-13706	Chuck Holder	711-355-120	No. 20E Cam Blank
*42-13707	Collet Blank		
*42-13708	Ejector Plunger Blank		
42-13709	Collet Nut		

*Parts Finished to Order Upon Receipt of Drawing of Work.
For Transferring Mechanism parts see pages 44-45.



Nut Tapping Attachment



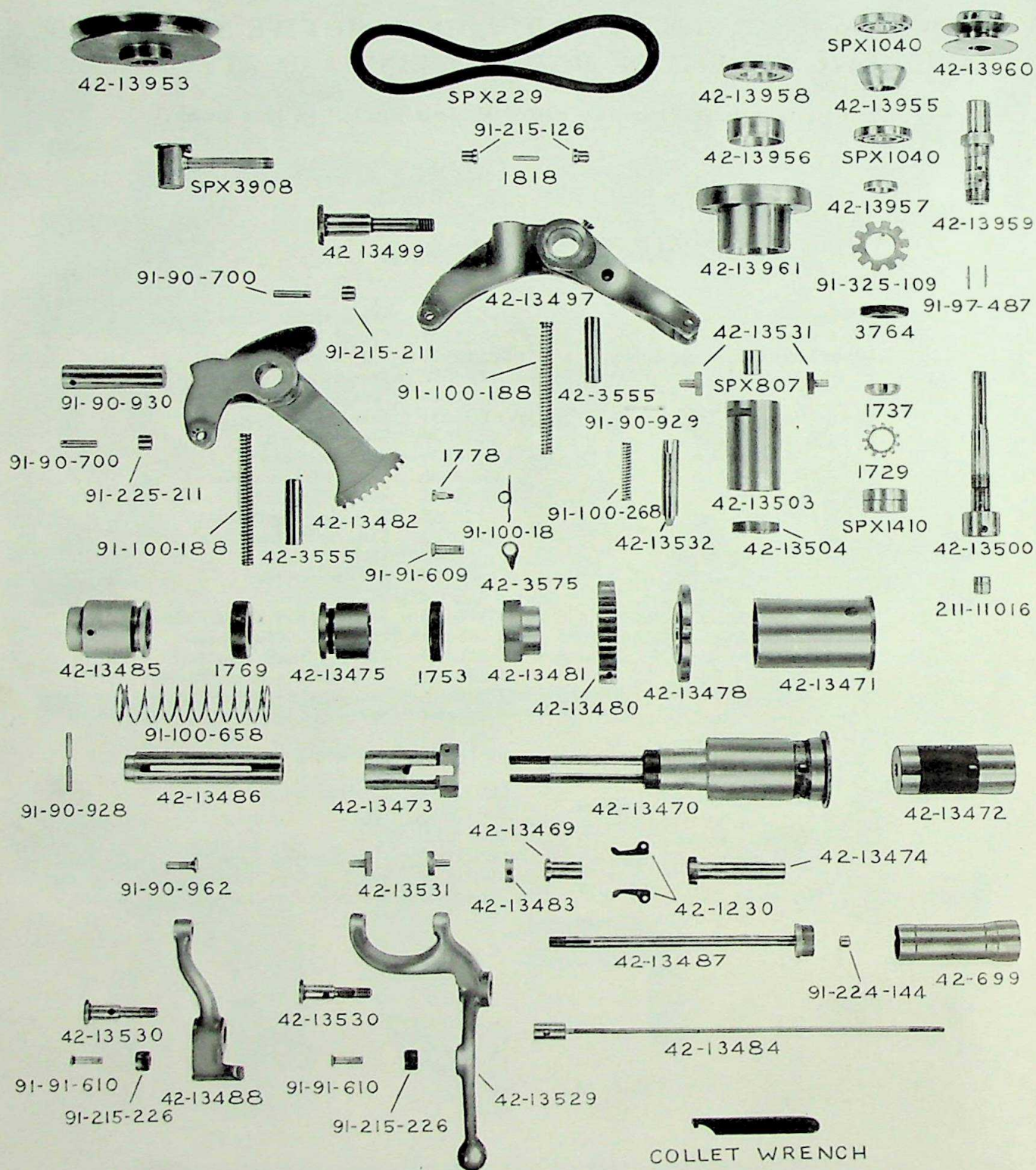
ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.

(See instructions "How to order Repair Parts" in this book.)

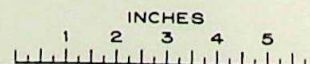
Nut Tapping Attachment

1992	Spindle Gear Nut	42-10501	Work Holder Arm Stop
2201	Work Holder Spring, Large	42-10502	Chute
2204	Work Holder Plunger Spring	42-10521	Oil Guard
2206	Flexible Tube	42-11617	Spindle
		42-11627	Nut Guide, Lower
42-1010	Chute Extension	42-11633	Spindle Bushing, Rear
42-5723	Driving Shaft Bushing	42-11637	Driving Shaft
42-5728	Chuck Fork Handle	42-11639	Oil Distributor
42-5729	Oil Retainer	42-12586	Work Holder Arm
42-6276	Oil Wiper, Top	42-12605	Work Holder
42-6277	Oil Wiper, Side	42-12786	Nut Tapping Bracket
42-6316	Guide Collar	42-12787	Driving Pulley
42-6317	Spindle Bushing, Front		
42-6322	Spindle Oil Guard	46-110	Swing Pendant
42-6744	Nut Guide, Upper		
42-7031	Work Holder Bushing Blank	91-91-503	Rotating Lever Rod Fulcrum
42-7032	Work Holder Plunger Blank	91-101-157	Nut Guide Holder Nut
42-7033	Spring Retainer, Small	91-201-723	Driving Shaft Washer
42-7034	Spring Retainer, Large	91-201-741	Nut Driving Sleeve Washer
42-7685	Nut Guide Plate	91-204-418	Nut Driving Sleeve Collar
42-7686	Nut Guide Holder	91-404-1	Straight Cock
42-7687	Nut Retainer Spring		
42-7692	Rotating Lever Rod	91-507-45	Adjusting Screw
42-9788	Countersinking Guide		
42-9789	Countersinking Guide Fulcrum	211-11011	Bushing Blank
42-9790	Countersinking Spindle Bushing		
42-9791	Countersinking Spindle	NOT SHOWN	
42-9792	Countersinking Spindle Gear	*42-12785	Nut Tapping Case
42-9793	Spindle Gear	42-14611	Slotting Cam Blank
42-10500	Tap Bushing Holder	42-14724	Rotating Cam Blank

*Serial Number of Attachment Stamped on This Part.
For Transferring Mechanism parts see pages 44-45.



Index Drilling Attachment



ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.

(See instructions "How to order Repair Parts" in this book.)

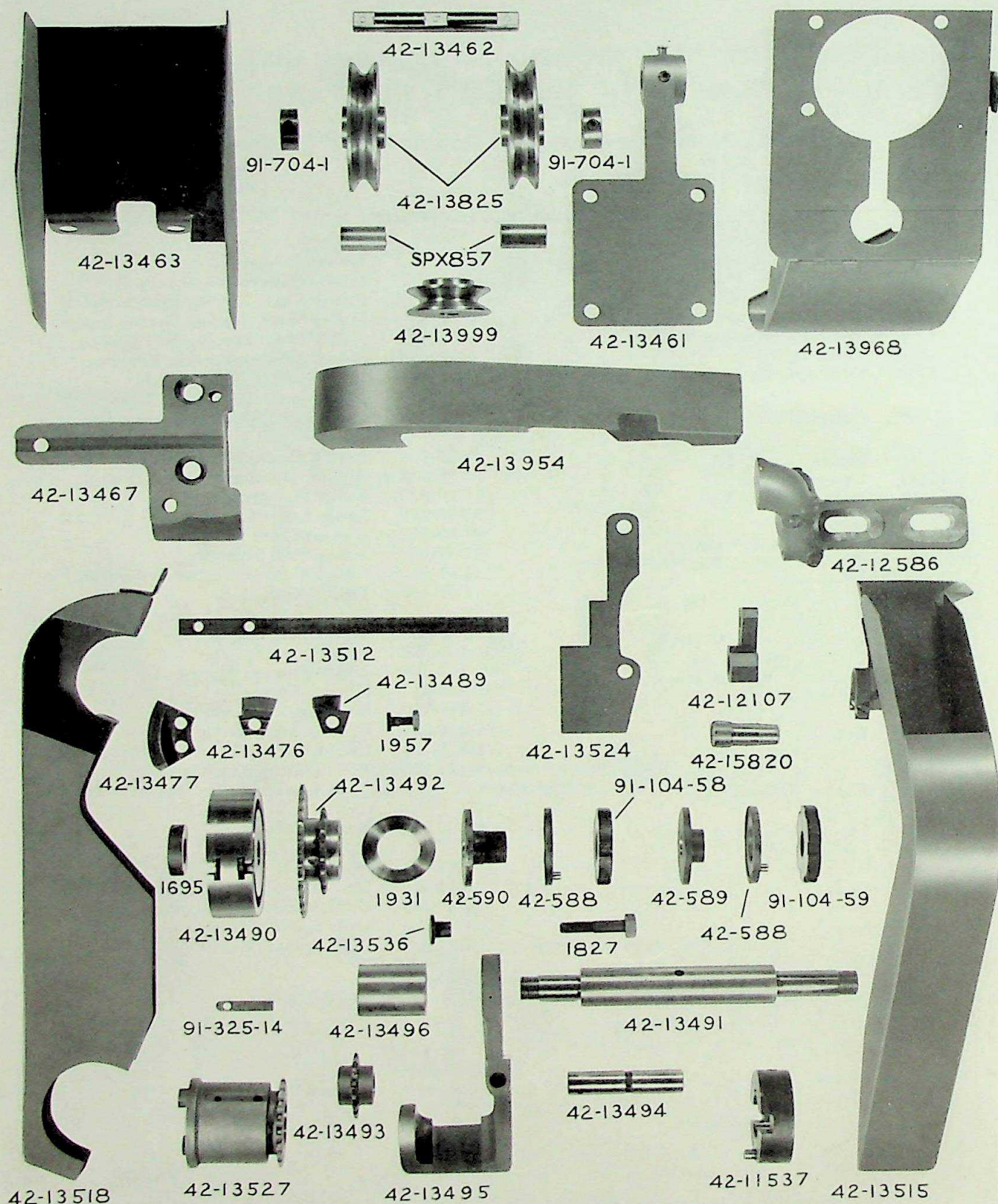
Index Drilling Attachment

1729	Drill Spindle Lockwasher	42-13532	Index Plunger
1737	Drill Spindle Nut	42-13953	Motor Sheave (Motor Driven)
1753	Work Spindle Nut	42-13955	Pulley Shaft Bearing Spacer, Small
1769	Chuck Adjusting Nut	42-13956	Pulley Shaft Bearing Spacer, Large
1778	Index Pawl Spring Stud	42-13957	Pulley Shaft Bearing Nut Spacer
1818	Shearing Pin	42-13958	Spindle Pulley Bearing Retainer
3764	Drill Spindle Pulley Shaft Nut	42-13959	Drill Spindle Pulley Shaft
		42-13960	Drill Spindle Sheave
		42-13961	Drill Spindle Pulley Bearing Sleeve
42-699	Collet Blank		
42-1230	Chuck Lever	91-90-700	Feed or Index Lever Roll Pin
42-3555	Lever Plunger	91-90-928	Ejector Operating Sleeve Pin
42-3575	Index Pawl	91-90-929	Index Plunger Pin
		91-90-930	Index Lever Fulcrum
42-13469	Work Spindle Plug	91-90-962	Ejector Lever Pin
42-13470	Work Spindle (Includes 1753, 1769 and 42-13469)	91-91-609	Index Pawl Fulcrum
42-13471	Work Spindle Sleeve	91-91-610	Chuck Cam or Ejector Lever Roll Pin
42-13472	Chuck Sleeve	91-97-487	Drill Spindle Key
42-13473	Chuck Lever Fulcrum		
42-13474	Chuck Closing Tube	91-100-18	Index Pawl Spring
42-13475	Chuck Operating Sleeve	91-100-188	Feed Lever Spring
42-13478	Index Plate	91-100-268	Index Plunger Spring
42-13480	Index Pawl Disk	91-100-658	Ejector Spring
42-13481	Index Ratchet	91-215-126	Shearing Pin Bushing
42-13482	Index Lever (Includes 91-90-700 and 91-215-211)	91-215-211	Feed or Index Lever Roll
42-13483	Ejector Sleeve Nut	91-215-226	Chuck Cam or Ejector Lever Roll
42-13484	Ejector	91-224-144	Ejector Bushing
42-13485	Ejector Operating Sleeve	91-325-109	Drill Spindle Pulley Shaft Lockwasher
42-13486	Ejector Tube		
42-13487	Ejector Sleeve	211-11016	Bushing Blank
42-13488	Ejector Lever (Includes 91-90-962, 91-91-610 and 91-215-226)	‡SPX 229	Motor Belt (Motor Driven)
42-13497	Feed Lever (Includes 1818, 91-90-700, 91-215-126 and 91-215-211)	SPX 807	Drill Spindle Bearing Sleeve Bushing
42-13499	Feed Lever Stud	SPX 1040	Drill Spindle Pulley Shaft Bearing
42-13500	Drill Spindle (Includes 1737)	SPX 1410	Drill Spindle Bearing
42-13503	Drill Spindle Bearing Sleeve	SPX 3908	Drill Spindle Bearing Oiler
42-13504	Drill Spindle Bearing Retainer		
42-13529	Chuck Cam Lever (Includes 91-91-610 and 91-215-226)	Collet Wrench	
42-13530	Chuck Cam or Ejector Lever Fulcrum	42-570 (2¾" Long)	
42-13531	Chuck Cam or Feed Lever Shoe	42-571 (3½" Long)	
		NOT SHOWN	
		42-13459	Frame

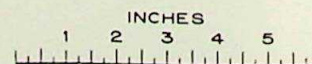
‡Oil Resistant V-Belt; Cross Section ½" wide x 11/32" thick, inside circumference 18".

For Transferring Mechanism parts see pages 44-45.

(continued on next page)



Index Drilling Attachment (cont'd)



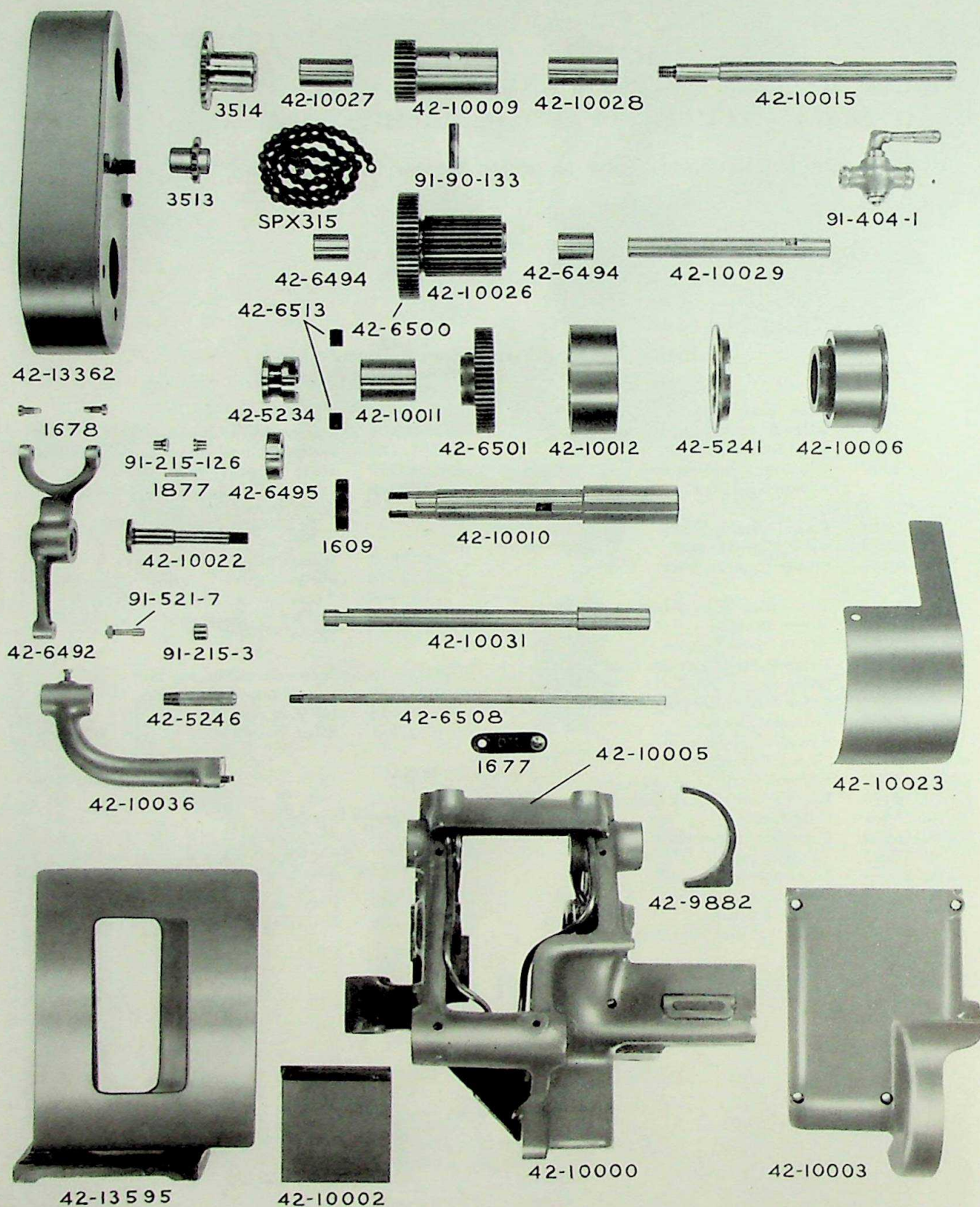
ORDER BY PART NUMBER AND NAME ALSO GIVE *SIZE, STYLE*
AND *SERIAL NUMBER* OF BOTH MACHINE AND ATTACHMENT.

(See instructions "How to order Repair Parts" in this book.)

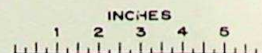
Index Drilling Attachment (cont'd)

1695	Cam Shaft Nut	42-13518	Chain Guard
1827	Idler Sprocket Arm Clamp Stud	42-13524	Forward Oil Guard, Side
1931	Cam Shaft Washer	42-13527	Driving Sprocket (Includes 91-325-14)
1957	Closing, Opening and Ejector Cam Bolt and Nut	42-13536	Idler Sprocket Arm Clamp Nut
		42-13537	Idler Pulley Bracket, Complete (Includes 42-13461, 42-13462, 42-13463, 42-13825, 91-704-1 and SPX857, Belt Driven)
42-588	Cam Driving Disk	42-13825	Idler Pulley (Belt Driven)
42-589	Feed Cam Holder	42-13954	Motor Pulley Guard (Motor Driven)
42-590	Index Cam Holder	42-13968	Attachment Oil Guard
42-11537	Cross Slide Cam Holder, Back	42-13999	Drill Spindle Pulley (Belt Driven)
42-12107	Work Holder	42-15820	Work Bushing Blank
42-12586	Work Holder Arm		
42-13461	Idler Pulley Bracket (Belt Driven)	91-104-58	Index Cam Holder Nut
42-13462	Idler Pulley Stud (Belt Driven)	91-104-59	Feed Cam Holder Nut
42-13463	Idler Pulley Guard (Belt Driven)	91-325-14	Driving Sprocket Spring
42-13467	Adapter Bracket	91-704-1	Idler Pulley Stud Collar (Belt Driven)
42-13476	Chuck Closing Cam		
42-13477	Chuck Opening Cam	SPX 857	Idler Pulley Bushing (Belt Driven)
42-13489	Ejector Cam		
42-13490	Ejector and Chuck Cam Disk		
42-13491	Cam Shaft	NOT SHOWN	
42-13492	Cam Shaft Sprocket	42-13952	Motor Bracket (Motor Driven)
42-13493	Idler Sprocket	42-14697	Counter Shaft Pulley (Belt Driven)
42-13494	Idler Sprocket Stud	42-14725	Rotating Cam Blank
42-13495	Idler Sprocket Arm	711-350-100	Feed and Index Cam Blanks
42-13496	Frame Bushing	711-355-120	Inserting Cam Blank
42-13512	Work Holder Arm Stop		
42-13515	Chute	SPX317	Chain

For Transferring Mechanism parts see pages 44-45.



Rear End Threading Attachment



ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.

(See instructions "How to order Repair Parts" in this book.)

Rear End Threading Attachment

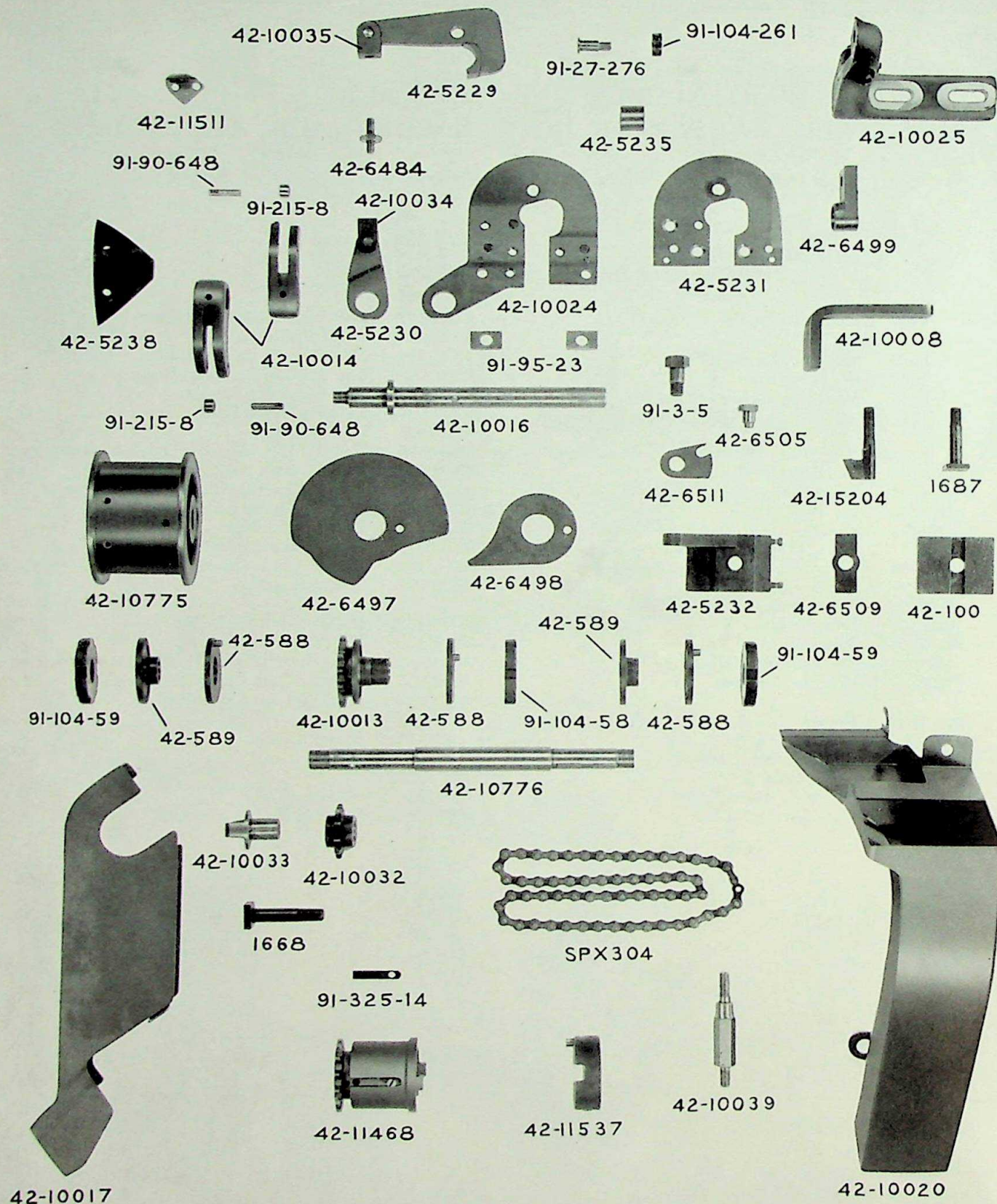
1609	Die Spindle Nut	42-10009	Driving Pulley Shaft Gear
1677	Oil Well Cover	42-10010	Die Spindle
1678	Die Spindle Ring Screw	42-10011	Die Spindle Bushing, Left
1877	Shearing Pin	42-10012	Die Spindle Bushing, Right
3513	Motor Sprocket (State No. of Teeth)	42-10015	Driving Pulley Shaft
3514	Attachment Driven Sprocket (State No. of Teeth)	42-10022	Spindle Lever Stud
		42-10023	Cam Guard
42-5234	Die Spindle Collar	42-10026	Spindle Driving Gear (Includes 42-6494)
42-5241	Die Closing Sleeve Nut	42-10027	Pulley Shaft Bushing, Left
42-5246	Oil Pipe, Short	42-10028	Pulley Shaft Bushing, Right
42-6492	Spindle Cam Lever (Includes 1678, 1877, 91-215-126 and 91-521-7)	42-10029	Spindle Driving Gear Shaft
42-6494	Spindle Driving Gear Bushing	42-10031	Die Holder Pipe
42-6495	Die Spindle Ring	42-10036	Stop Bracket
42-6500	Intermediate Driving Gear	42-13362	Motor Chain Guard
42-6501	Spindle Gear	42-13595	Motor Bracket
42-6508	Work Stop	91-90-133	Pulley Shaft Gear Pin
42-6513	Die Spindle Collar Key	91-215-126	Shearing Pin Bushing
42-9882	Die Holder Stop	91-404-1	Straight Cock, Lever Handle
		91-521-7	Spindle Cam Lever Roll Stud
		91-715-3	Spindle Cam Lever Roll
42-10000	Frame (Includes 42-10011, 42-10012, 42-10027 and 42-10028)	SPX315	Motor Chain
42-10002	Back Guard, Lower		
42-10003	Front Guard		
42-10005	Oil Well (Includes 1677)		
42-10006	Die Closing Sleeve		

NOT SHOWN

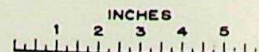
2206	Flexible Tube
42-10007	Driving Pulley (Overhead Drive)

For Transferring Mechanism parts see pages 44-45.

(continued on next page)



Rear End Threading Attachment (cont'd)



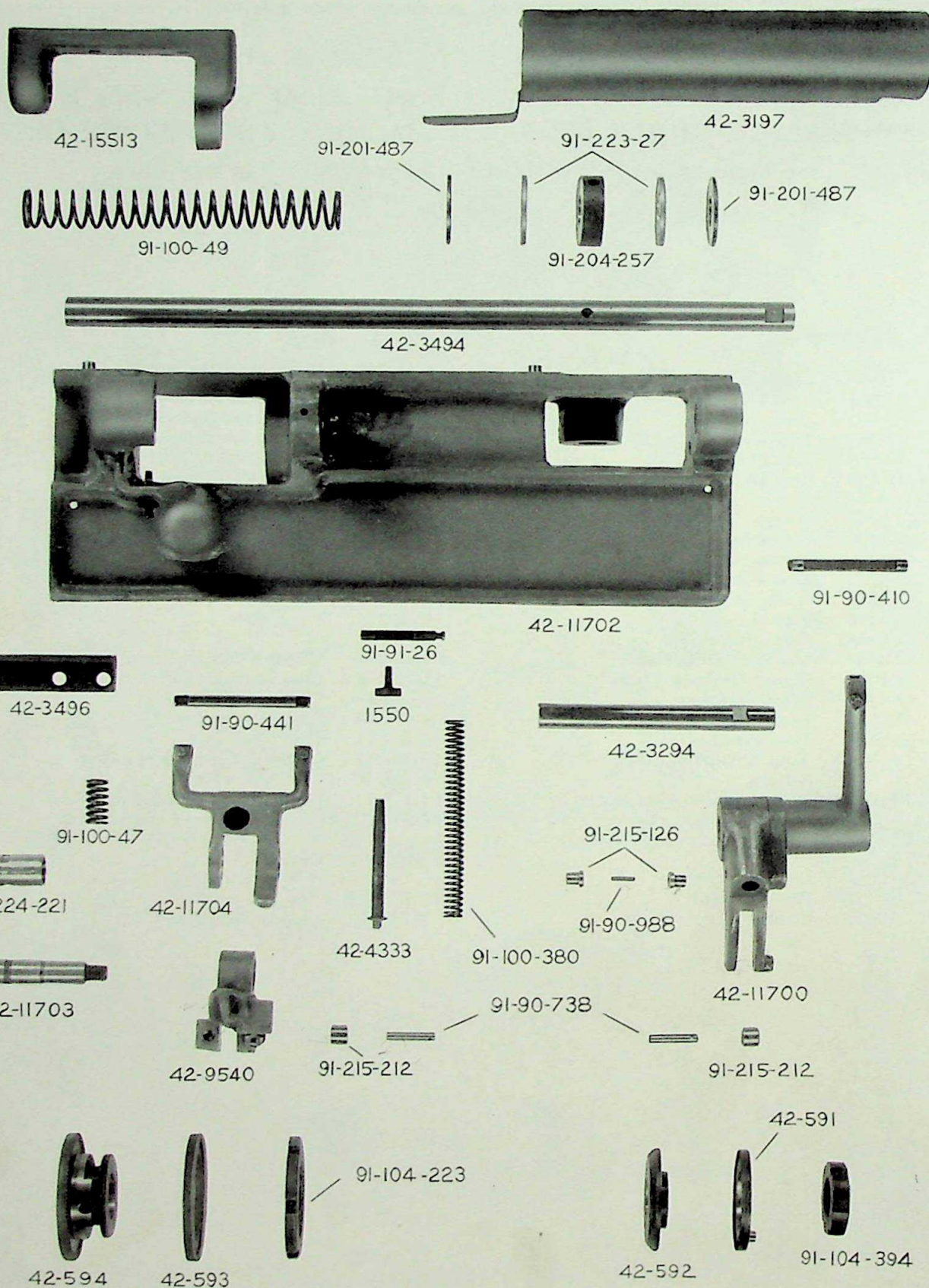
ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.

(See instructions "How to order Repair Parts" in this book.)

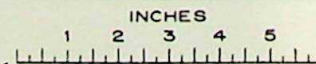
Rear End Threading Attachment (cont'd)

1668	Chain Idler Stud	42-10024	Clamping Plate (Includes 42-5231)
1687	Tool Post Clamp Bolt	42-10025	Work Holder Arm
		42-10032	Chain Idler Sprocket
42-100	Tool Post Raising Block	42-10033	Chain Idler Sprocket Bushing
42-588	Cam Driving Disk	42-10034	Swivel, Right Hand
42-589	Cam Holder	42-10035	Swivel, Left Hand
		42-10039	Chute Support
42-5229	Clamp	42-10775	Cam Drum
42-5230	Clamp Lever	42-10776	Cam Shaft
42-5231	Clamp Plate, Front	42-11468	Driving Sprocket (Includes 91-325-14)
42-5232	Tool Post, Front	42-11511	Cross Slide Adjusting Nut Pointer
42-5235	Clamp Bushing Blank	42-11537	Cross Slide Cam Holder, Back
42-5238	Return Cam	42-15204	Hook Bolt
42-6484	Adjusting Screw		
42-6497	Clamp Closing Cam	91-27-276	Clamp Fulcrum Screw
42-6498	Clamp Opening Cam	91-90-648	Cam Lever Roll Pin
42-6499	Work Holder	91-95-23	Clamping Plate Key
42-6505	Tool Post Eccentric	91-104-58	Cam Holder Nut
42-6509	Tool Post Swivel	91-104-59	Cam Shaft Nut
42-6511	Tool Adjusting Block	91-104-261	Clamp Fulcrum Screw Nut
		91-215-8	Cam Lever Roll
42-10008	Work Holder Arm Stop	91-325-14	Driving Sprocket Spring
42-10013	Cam Shaft Sprocket	91-503-108	Tool Post Tool Clamp Screw
42-10014	Cam Lever (Includes 91-90-648 and 91-215-8)		
42-10016	Lever Fulcrum	SPX304	Chain
42-10017	Chain Guard		
42-10020	Chute	NOT SHOWN	
		42-5237	Return Cam Blank

For Transferring Mechanism parts see pages 44-45.



Transferring Mechanism
 Used with Screw Slotting, Burring, Nut Tapping, Index Drilling and
 Rear End Threading Attachments



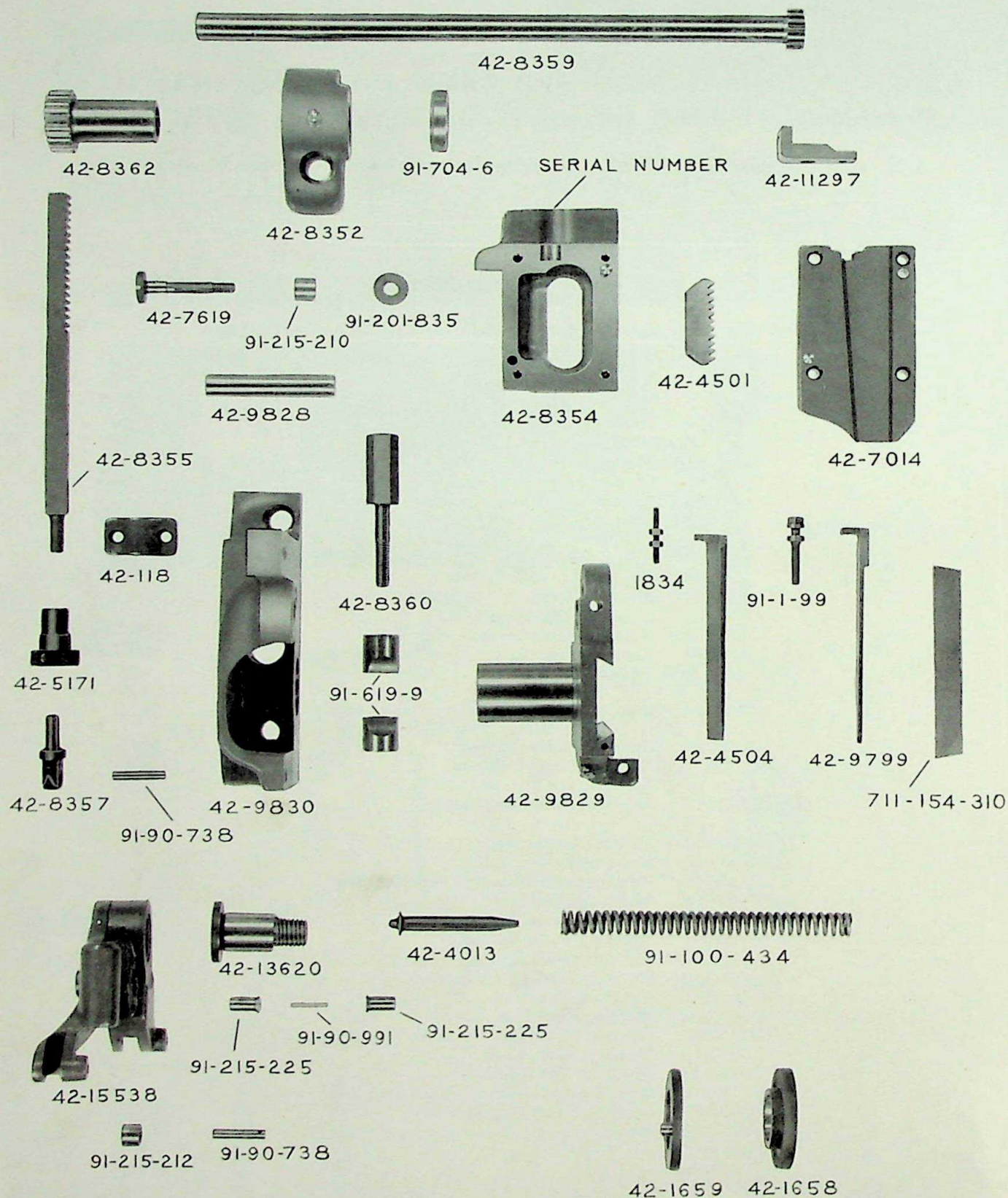
**ORDER BY PART NUMBER AND NAME ALSO GIVE *SIZE, STYLE*
AND *SERIAL NUMBER* OF BOTH MACHINE AND ATTACHMENT.**

(See instructions "How to order Repair Parts" in this book.)

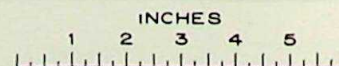
Transferring Mechanism

Used with Screw Slotting, Burring, Nut Tapping, Index Drilling and
Rear End Threading Attachments

1550	Rotating Cam Lever Stop
42-591	Slotting Cam Driving Disk
42-592	Slotting Cam Holder
42-593	Rotating Cam Driving Disk
42-594	Rotating Cam Holder (Includes 91-104-223)
42-3197	Spring Guard
42-3294	Slotting Lever Fulcrum
42-3494	Slotting Shaft
42-3496	Screw Holder Arm Rest
42-4333	Rotating Cam Lever Spring Plug
42-9540	Rotating Cam Lever (Includes 91-90-738-and 91-215-212)
42-11700	Slotting Lever, Complete (Includes 91-90-738, 91-90-988, 91-215-126 and 91-215-212)
42-11702	Slotting Shaft Bracket
42-11703	Slotting Lever Fulcrum
42-11704	Rotating Lever
42-15513	Work Holder Arm Base
91-90-410	Slotting Lever Stop
91-90-441	Rotating Lever Rod
X 91-90-738	Rotating and Slotting Lever Roll Pin
X 91-90-988	Shearing Pin
91-91-26	Rotating Lever Stop
91-100-47	Rotating Lever Spring
91-100-49	Slotting Shaft Spring
91-100-380	Rotating Cam Lever Spring
91-104-223	Rotating Cam Nut
91-104-394	Slotting Cam Nut
91-201-487	Slotting Shaft Ball Retainer Washer
91-204-257	Slotting Shaft Collar
X 91-215-126	Shearing Pin Bushing
X 91-215-212	Rotating and Slotting Cam Lever Roll
91-223-27	Slotting Shaft Ball Retainer
91-224-221	Rotating Lever Bushing



Vertical Slide Attachment

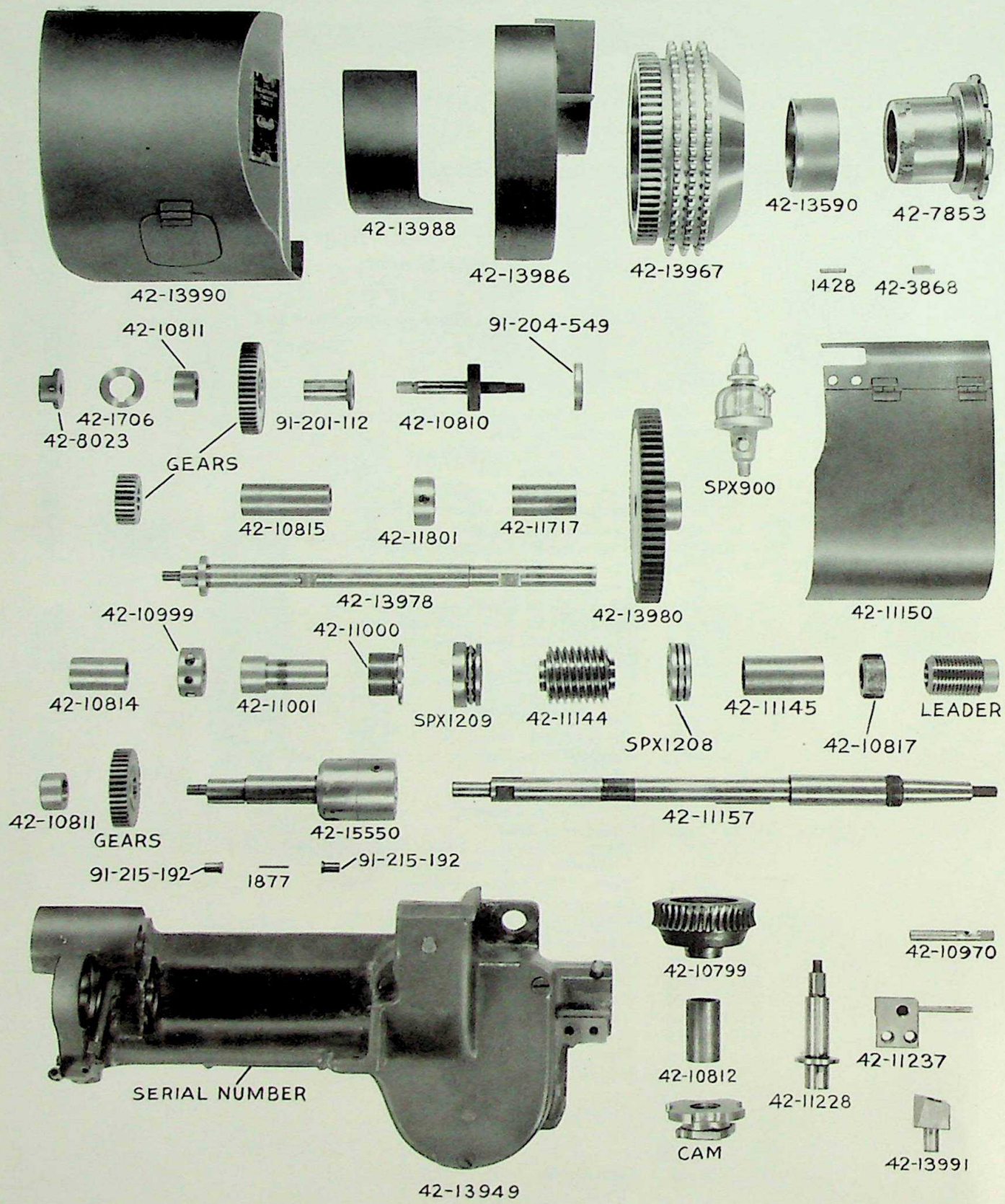


ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.

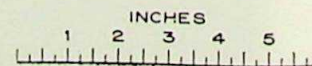
(See instructions "How to order Repair Parts" in this book.)

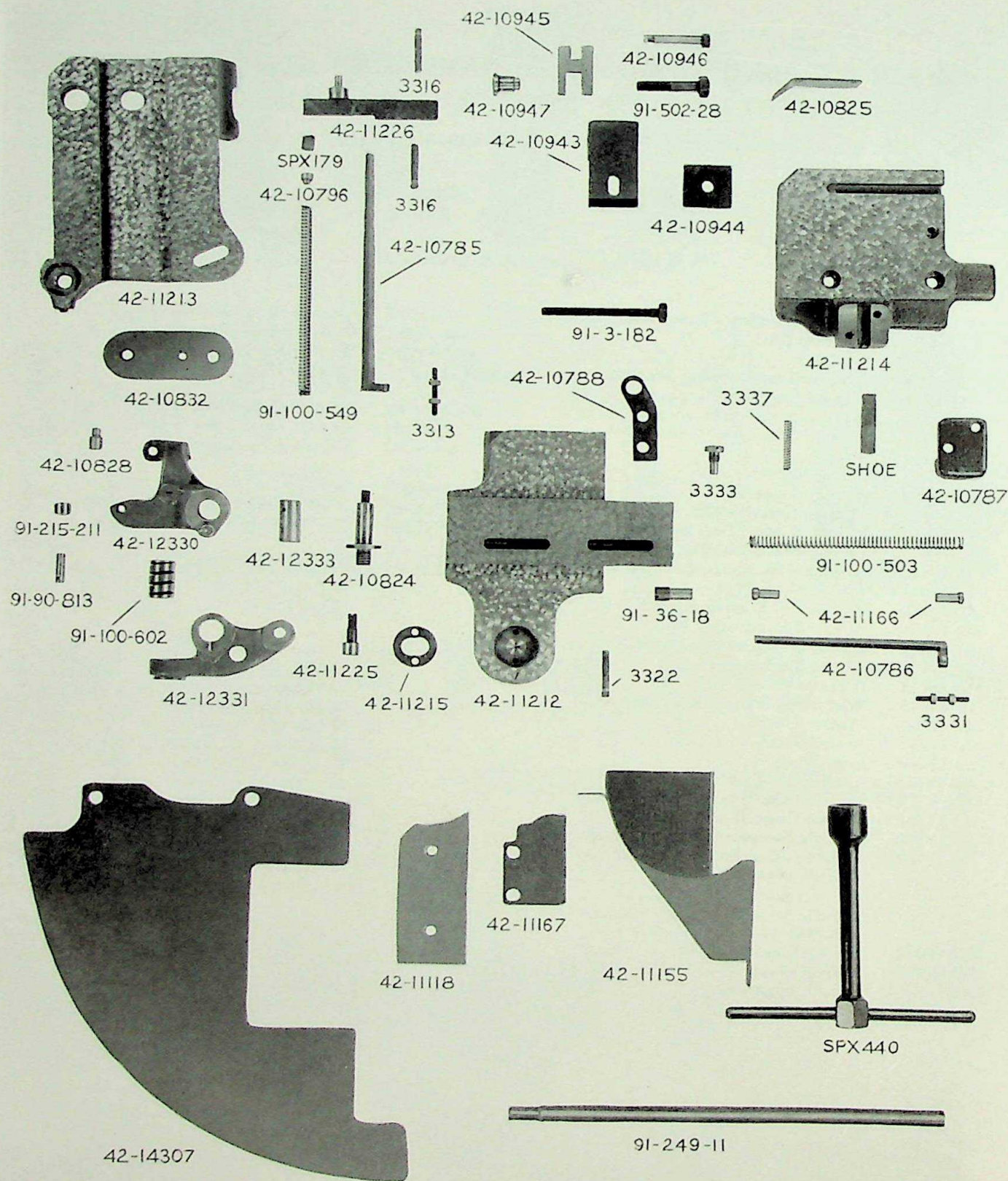
Vertical Slide Attachment

1834	Vertical Slide Way Gib Adjusting Screw and Nuts
42-118	Oil Pipe Support Cap
42-1658	Vertical Slide Cam Holder (Includes 42-1659)
42-1659	Cam Driving Disk
42-4013	Cam Lever Spring Plunger
42-4501	Vertical Slide Rack
42-4504	Vertical Slide Way Gib
42-5171	Operating Rack Adjusting Nut
42-7014	Vertical Tool Holder
42-7619	Operating Rack Support Stud
42-8352	Operating Rack Support
42-8354	Vertical Slide
42-8355	Driving Gear Operating Rack
42-8357	Operating Rack Adjusting Screw
42-8359	Vertical Slide Pinion Shaft
42-8360	Vertical Slide Way Clamp Screw
42-8362	Pinion Shaft Driving Gear
42-9799	Tool Wedge
42-9828	Vertical Slide Swivel Stop
42-9829	Vertical Slide Way
42-9830	Vertical Slide Bracket (Includes 42-118 and 91-619-9)
42-11297	Tool Wedge Support
42-13620	Cam Lever Stud
42-15538	Vertical Slide Cam Lever (Includes 91-90-738, 91-90-991, 91-215-212 and 91-215-225)
91-1-99	Vertical Tool Holder Screw
91-90-738	Operating Rack Lever Pin
91-90-738	Vertical Slide Cam Lever Roll Pin
91-90-991	Shearing Pin
91-100-434	Operating Rack Lever Spring
91-201-835	Operating Rack Support Stud Washer
91-215-210	Operating Rack Support Roll
91-215-212	Vertical Slide Cam Lever Roll
91-215-225	Shearing Pin Bushing
91-619-9	Vertical Slide Way Clamp
91-704-6	Pinion Shaft Driving Gear Collar
711-154-310	Cutting-Off Blade
NOT SHOWN	
711-350-120	Cam Blank

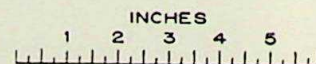


Thread Chasing Attachment





Thread Chasing Attachment (cont'd)

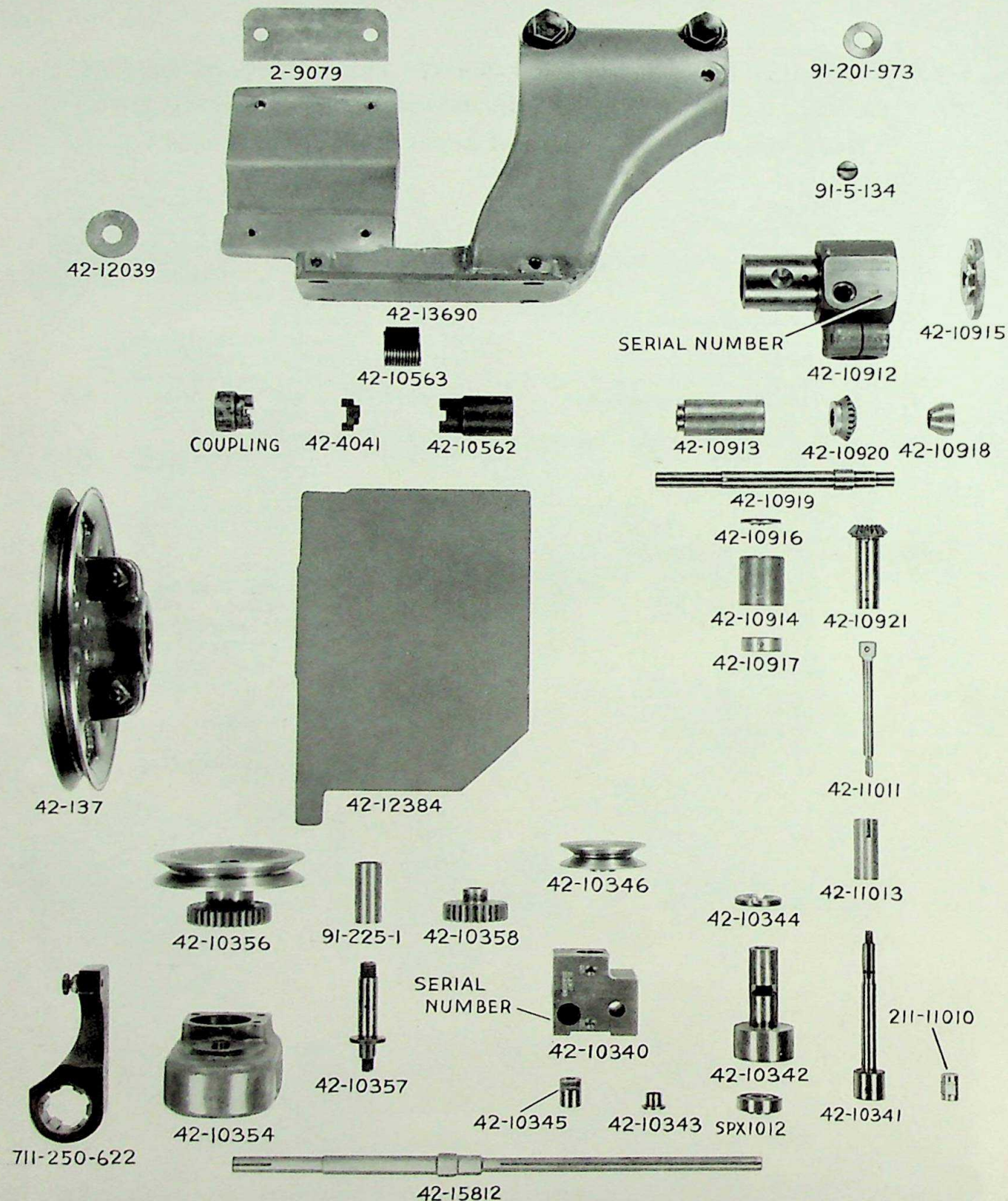


ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.

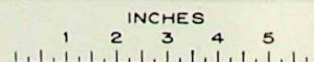
(See instructions "How to order Repair Parts" in this book.)

Thread Chasing Attachment (cont'd)

3313	Bottom Slide Gib Adjusting Screw and Nuts	42-11214	Top Slide
3316	Bottom Slide Adjusting Screw	42-11215	Intermediate Slide Insert
3322	Intermediate Slide Stop Screw	42-11225	Operating Lever Stud
3331	Top Slide Gib Adjusting Screw and Nuts	42-11226	Bottom Plate Fulcrum Bar
3333	Top Slide Spring Screw	42-12330	Cam Roll Lever (Includes 42-10828, 91-90-813 and 91-215-211)
3337	Leader Shoe Spring	42-12331	Operating Lever
42-10785	Bottom Slide Gib	42-12332	Cam Roll Lever, Complete (Includes 42-11225, 42-12330, 42-12331, 42-12333 and 91-100-602)
42-10786	Top Slide Gib	42-12333	Cam Lever Bushing
42-10787	Top Slide Cap	42-14307	Forward Oil Guard Side
42-10788	Intermediate Slide Stop	91-3-182	Top Slide Stop
42-10796	Intermediate Slide Spring Button, Small	91-36-18	Intermediate Slide Screw
42-10824	Operating Lever Fulcrum	91-90-813	Cam Roll Pin
42-10825	Top Slide Plate	91-100-503	Top Slide Return Spring
42-10828	Cam Roll Lever Pin	91-100-549	Intermediate Slide Spring
42-10832	Cross Slide Insert	91-100-602	Cam Roll Lever Spring
42-10943	Tool Post (Includes 42-10944, 42-10945, 42-10946, 42-10947 and 91-502-28)	91-215-211	Cam Roll
42-10944	Tool Post Raising Block	91-249-11	Pin Wrench
42-10945	Tool Adjusting Block	91-502-28	Tool Clamp Bolt
42-10946	Tool Post Eccentric	SPX 179	Intermediate Slide Plug
42-10947	Tool Bushing	SPX 440	Socket Wrench
42-11118	Cross Slide Chip Guard, Front		
42-11155	Chasing Attachment Cam Guard	Shoe, Leader	
42-11166	Top Slide Return Spring Button	42-10880	Metric Threads, Left Hand
42-11167	Top Slide Guard	42-10894	Metric Threads, Right Hand
42-11212	Intermediate Slide	42-10896	"V" Threads, Right Hand
42-11213	Bottom Slide	42-10798	"V" Threads, Left Hand



Cross Drilling Attachment



ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.

(See instructions "How to order Repair Parts" in this book.)

Cross Drilling Attachment

Parts common to Motor and Belt Driven Attachments

42-10340	Spindle Post (Includes 42-10345)	211-11010	Bushing Blank
42-10341	Drill Spindle		
42-10342	Drill Spindle Bushing	711-250-622	No. 22E Spindle Brake
42-10343	Drill Spindle Bearing Sleeve		
42-10344	Drill Spindle Bearing Retainer		
42-10345	Spindle Bushing Clamp Bushing	SPX1012	Ball Bearing

Parts for Motor Driven Attachment Only

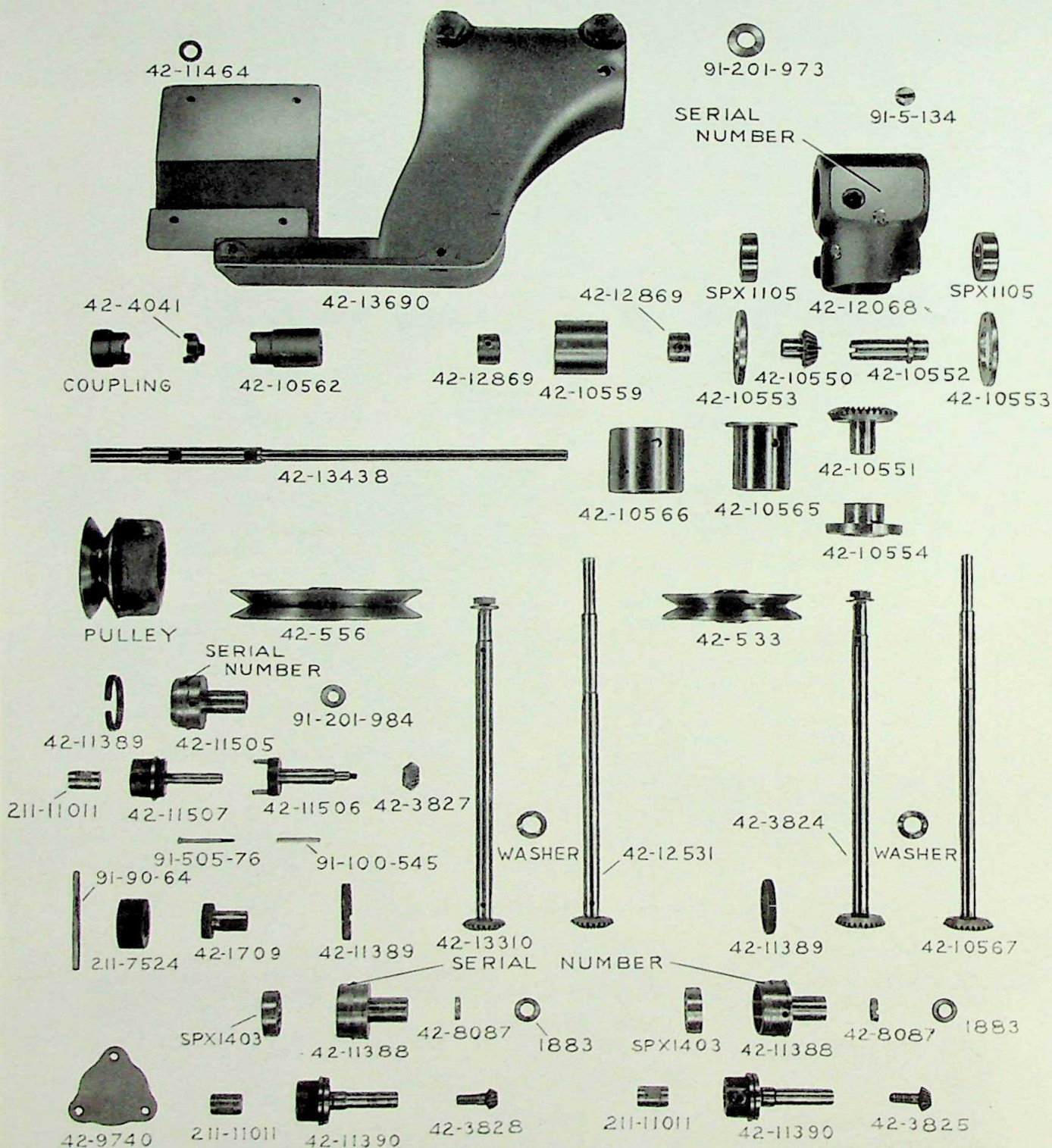
2-9079	Motor Aligning Washer	42-11011	Cross Drilling Adapter Shaft
		42-11013	Cross Drilling Adapter Shaft Extension
42-4041	Motor Shaft Intermediate Coupling	42-12039	Motor Adjusting Washer
42-10562	Turret Driving Shaft Coupling	42-13690	Motor Stand Bracket
42-10563	Turret Driving Shaft Coupling Spring	42-15812	Turret and Cross Drilling Driving Shaft (for Combination Turret and Cross Drilling Attachments)
42-10912	Cross Drilling Gear Case		
42-10913	Cross Drilling Driving Gear Bushing	91-5-134	Cross Drilling Motor Gear Case Screw
42-10914	Cross Drilling Driven Gear Bushing		
42-10915	Cross Drilling Gear Case Cap	91-201-973	Motor Stand Bracket Washer
42-10916	Cross Drilling Driven Gear Washer		
42-10917	Cross Drilling Driven Gear Collar		
42-10918	Cross Drilling Driving Shaft Spacer		
42-10919	Cross Drilling Driving Shaft		
42-10920	Cross Drilling Driving Gear		
42-10921	Cross Drilling Driven Gear		

Coupling, Motor Shaft

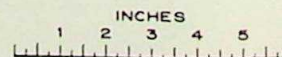
42-10561	($\frac{1}{2}$ " Motor Shaft)
42-11493	($\frac{5}{8}$ " Motor Shaft)

Parts for Belt Driven Attachment Only

42-137	Counetrshaft Pulley	42-10357	Pulley Stud (Geared Pulley Drive)
		42-10358	Spindle Gear (Geared Pulley Drive)
42-10346	Spindle Driving Pulley	42-12384	Attachment Belt Oil Guard
42-10354	Bracket (Geared Pulley Drive)		
42-10356	Driving Pulley (Geared Pulley Drive)	91-225-1	Driving Pulley Bushing (Geared Pulley Drive)



Turret Attachments



Turret Attachments

Motor Drive for Turret Attachments

42-4041	Motor Shaft Intermediate Coupling	42-12869	Turret Driving Shaft Collar
42-9740	Turret Bevel Gear Guard	42-13438	Turret Driving Shaft
42-10550	Turret Driving Gear	42-13690	Motor Stand Bracket
42-10551	Turret Driven Gear	42-15812	Turret and Cross Drilling Driving Shaft (Combination Turret and Cross Drilling Attachments, Not Shown)
42-10552	Turret Gear Case Bearing Sleeve		
42-10553	Turret Gear Case Bearing Retainer		
42-10554	Turret Gear Case Bushing	91-5-134	Motor Gear Case Screw
42-10559	Turret Driving Shaft Bushing	91-201-973	Motor Bracket Washer
42-10562	Turret Driving Shaft Coupling		
42-10565	Turret Gear Case Support	SPX1105	Motor Gear Case Ball Bearing
42-10566	Turret Gear Case Sleeve	Coupling	
42-11464	Motor Adjustment Washer		42-10561 (For 1/2" Shaft)
42-12068	Turret Gear Case		42-11493 (For 5/8" Shaft)

Turret Drilling

1883	Pinion Washer	42-11389	Oil Hole Cover
42-533	Driving Pulley (3 7/8" Diameter, Belt Driven)	42-11390	Drill Spindle
		42-13238	Attachment Belt Oil Guard (Not Shown)
42-3824	Driving Shaft (28 Teeth, Includes 91-235-225, Belt Driven)	211-11011	Drill Bushing Blank
42-3825	Pinion (14 Teeth)	SPX1403	Ball Bearing
42-8087	Drill Spindle Pin Washer	Pulley, Countershaft (Belt Driven)	
42-9740	Turret Bevel Gear Guard	42-14571	(7 13/16" Diameter)
42-10567	Turret Driven Shaft (28 Teeth, Motor Driven)	Washer, Thrust	
			91-235-206 (Thick Washer)
42-11388	Drill Spindle Holder (Includes 42-11389)		91-235-225 (Thin Washer)

Combination Drilling and Tapping or Tap and Die Revolving

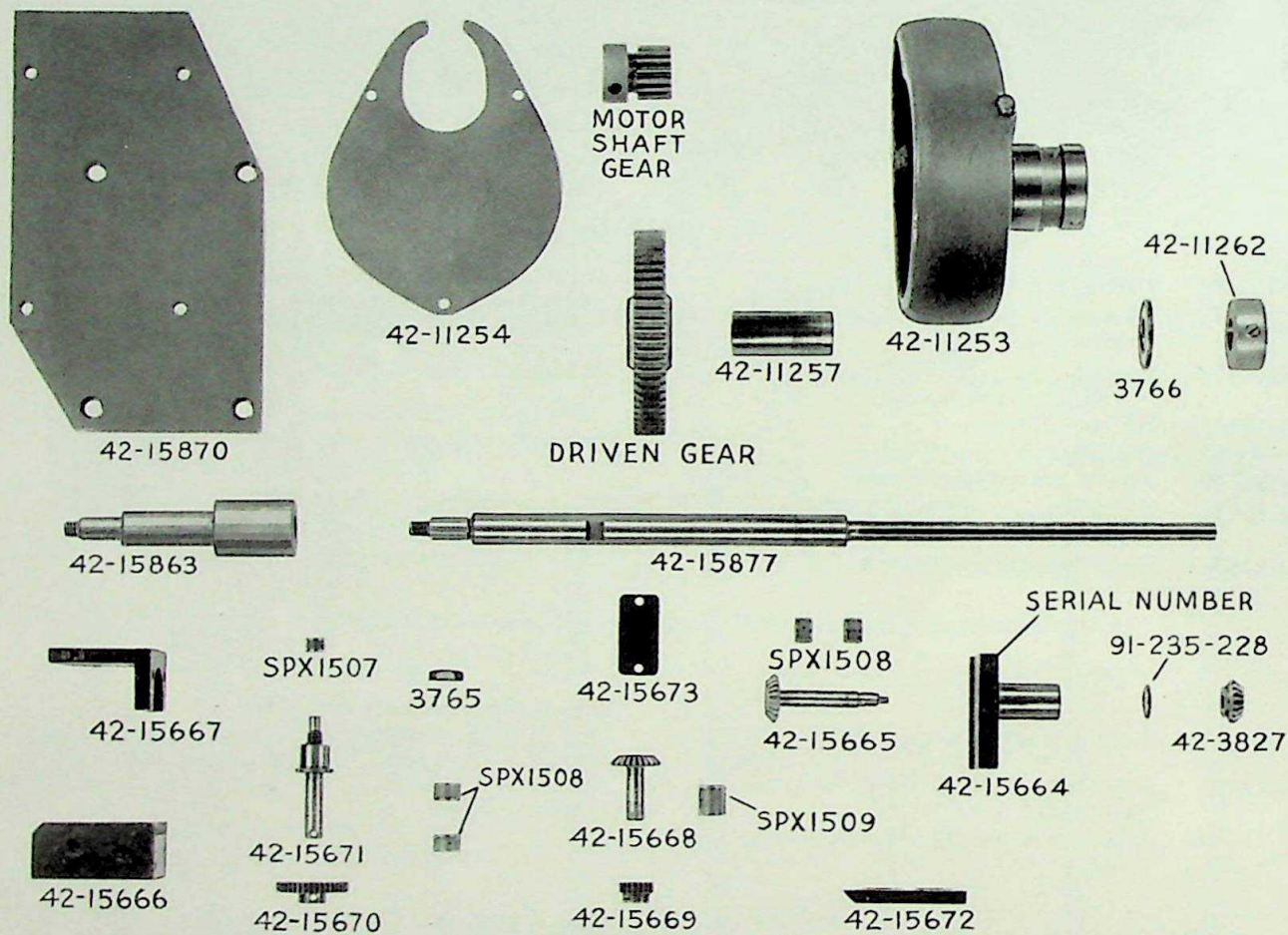
42-556	Driving Pulley (5 1/4" Diameter, Belt Driven)	42-13310	Driving Shaft (24 Teeth, Belt Driven)
42-9740	Turret Bevel Gear Guard	Pulley, Countershaft (Belt Driven)	
			42-70 (5" Diameter)
42-12531	Tap Driving Shaft (24 Teeth, Includes 91-235-225, Motor Driven)		42-215 (3 5/32" Diameter)
42-13238	Attachment Belt Oil Guard (Not Shown, Belt Driven)	Washer, Thrust	
			91-235-206 (Thick Washer)
			91-235-225 (Thin Washer)

Combination Drilling Spindle

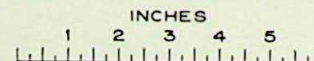
1883	Pinion Washer	42-11389	Oil Hole Cover
		42-11390	Drill Spindle
42-3828	Pinion (12 Teeth)		
42-8087	Drill Spindle Pin Washer	211-11011	Drill Bushing Blank
42-11388	Drill Spindle Holder (Includes 42-11389)	SPX1403	Ball Bearing

Tap or Die Spindle

42-1709	Die Adapter	91-90-64	Pin Wrench
42-3827	Bevel Gear (18 Teeth)	91-100-545	Tap Spindle Spring
		91-201-984	Tap Spindle Washer
		91-505-76	Tap Spindle Screw
42-11389	Oil Hole Cover		
42-11505	Tap Spindle Holder (Includes 42-11389)	211-7524	1" Die Cap
42-11506	Tap Spindle Driving Bushing	211-11011	Drill Bushing Blank
42-11507	Tap Spindle		



Turret Milling Attachment



**ORDER BY PART NUMBER AND NAME ALSO GIVE SIZE, STYLE
AND SERIAL NUMBER OF BOTH MACHINE AND ATTACHMENT.**

(See instructions "How to order Repair Parts" in this book.)

Turret Milling Attachment

Parts common to Motor and Belt Driven Attachments

3765	Cutter Arbor Nut	42-15671	Cutter Arbor
42-3827	Bevel Gear	42-15672	Cover
*42-9740	Turret Bevel Gear Guard	42-15673	Turret Milling Bevel Gear Guard
42-15664	Shank	91-235-228	Bevel Gear Thrust Washer
42-15665	Driven Shaft	SPX1507	Cutter Arbor Support Bearing
42-15666	Shaft Housing	SPX1508	Cutter Arbor or Shank Bearing
42-15667	Cutter Arbor Support	SPX1509	Cutter Arbor Driving Shaft Bearing
42-15668	Cutter Arbor Driving Shaft		Washer, Thrust
42-15669	Cutter Arbor Driving Shaft Gear		91-235-206 (Thick Washer)
42-15670	Cutter Arbor Gear		91-235-225 (Thin Washer)

Parts for Gear Reduction and Motor Driven Attachment Only

3766	Attachment Driving Shaft Washer	42-15870	Motor Plate
*42-10550	Turret Driving Gear	42-15877	Attachment Driving Shaft
*42-10551	Turret Driven Gear	*91-5-134	Turret Gear Case Screw
*42-10552	Turret Gear Case Bearing Sleeve	*SPX1105	Turret Gear Case Ball Bearing
*42-10553	Turret Gear Case Bearing Retainer		Driven Gear
*42-10554	Turret Gear Case Bushing		42-15865 32 Teeth
*42-10565	Turret Gear Case Support		42-15867 48 Teeth
*42-10566	Turret Gear Case Sleeve		42-15869 64 Teeth
42-11253	Motor Gear Guard		Motor Shaft Gear
42-11254	Motor Gear Guard Cover		42-15868 16 Teeth
42-11257	Motor Gear Guard Bushing		42-15866 24 Teeth
42-11262	Attachment Driving Shaft Collar		42-15864 32 Teeth
*42-12068	Turret Gear Case		
*42-12531	Driving Shaft (Includes 91-235-225)		
*42-13690	Motor Stand Bracket		
42-15863	Attachment Driving Shaft Adapter (For combination Cross Drilling and Turret Drilling Attachments)		

Parts for Belt Driven Attachment Only

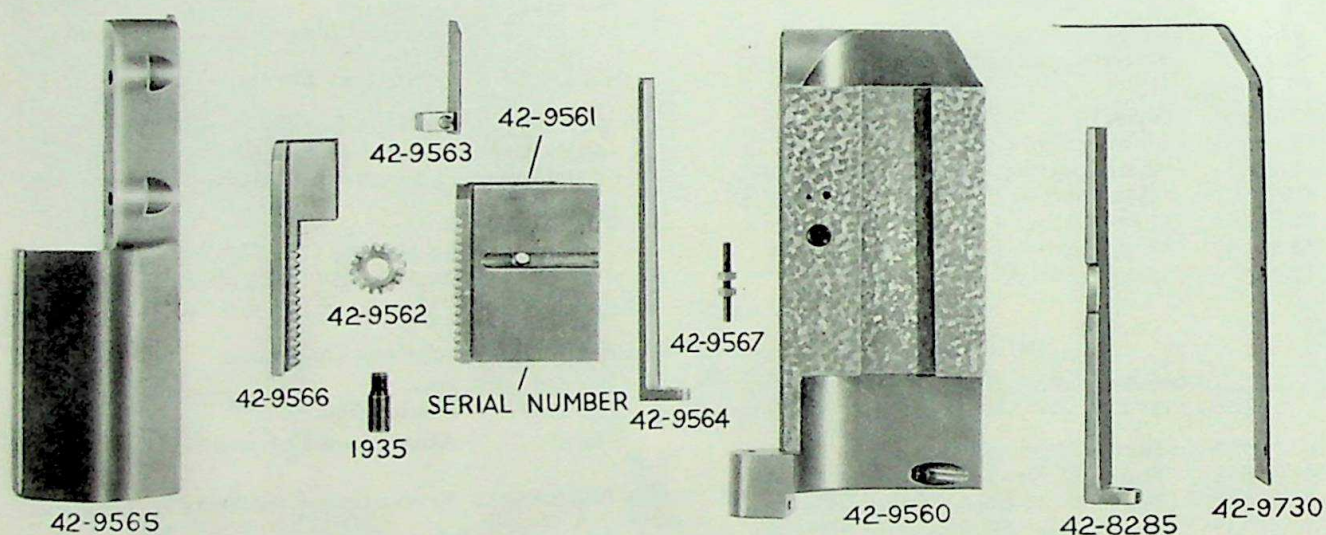
*42-556	Driving Pulley	*Pulley, Countershaft
42-13238	Attachment Belt Oil Guard (Not Shown)	42-215 (3 $\frac{5}{32}$ " Diameter)
*42-13310	Driving Shaft	

*Parts shown on Page 54.

**ORDER BY PART NUMBER AND NAME ALSO GIVE *SIZE, STYLE*
AND *SERIAL NUMBER* OF BOTH MACHINE AND ATTACHMENT.**

(See instructions "How to order Repair Parts" in this book.)

Double Movement Cross Slide

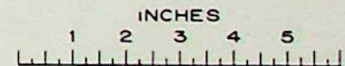
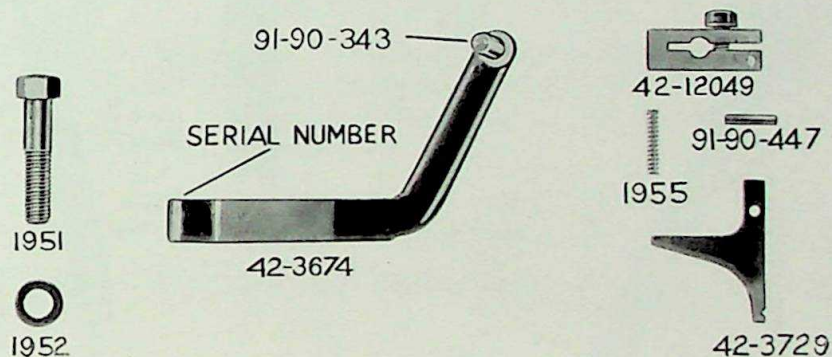


1935	Pinion Stud
42-8285	Cross Slide Gib, Front
42-9560	Bottom Cross Slide, Front
42-9561	Top Cross Slide, Front
42-9562	Pinion
42-9563	Pinion Guard, Lower
42-9564	Top Gib
42-9565	Rack and Pinion Guard
42-9566	Ledge Rack
42-9567	Gib Adjusting Screw and Nuts
42-9730	Cross Slide Guard, Front

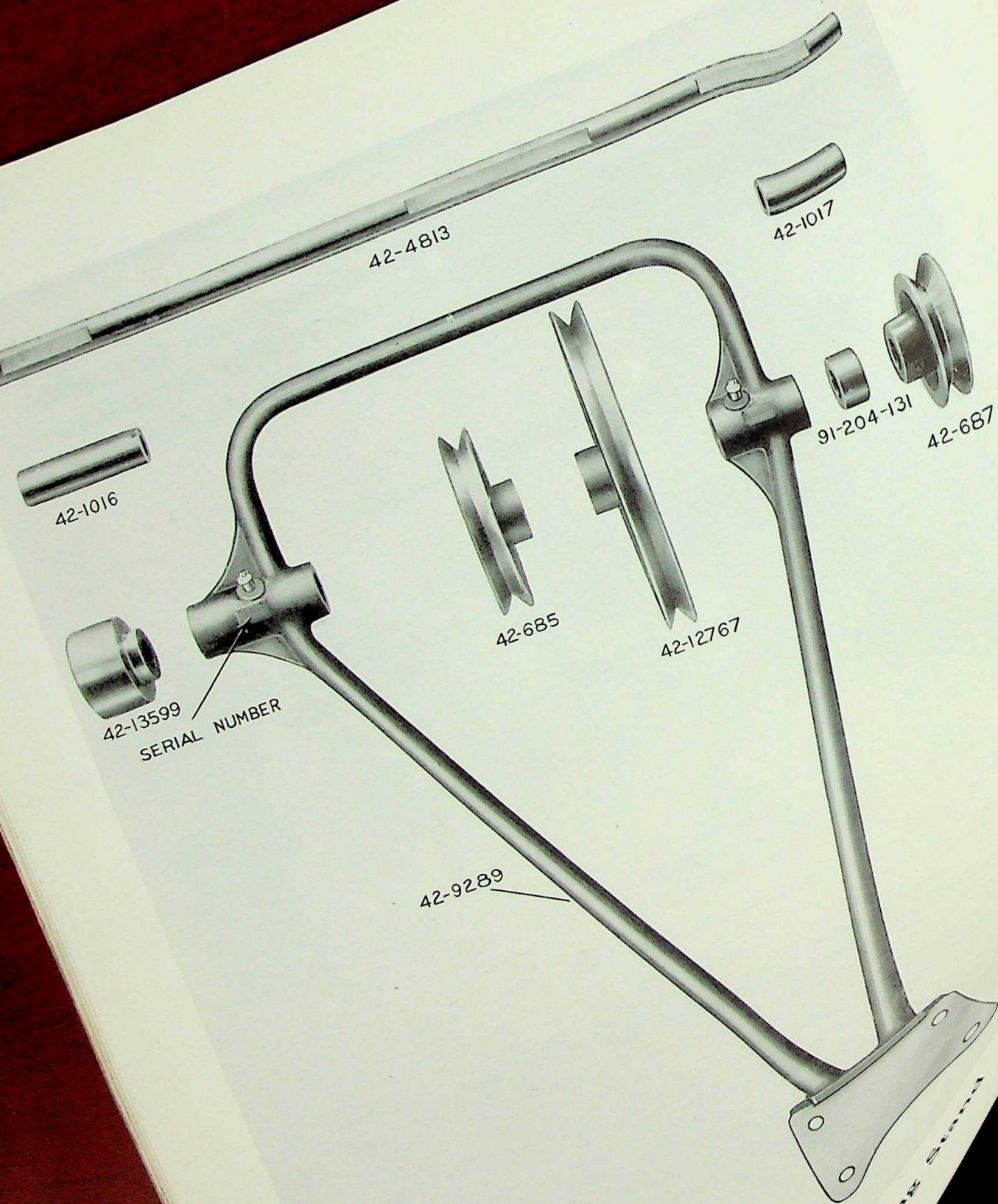
**ORDER BY PART NUMBER AND NAME ALSO GIVE *SIZE, STYLE*
AND *SERIAL NUMBER* OF BOTH MACHINE AND ATTACHMENT.**

(See instructions "How to order Repair Parts" in this book.)

Slabbing Holder



1951	Bracket Bolt
1952	Bracket Bolt Washer
1955	Finger Blank Spring
42-3674	Bracket (Includes 91-90-343)
42-3729	Finger Blank
42-12049	Head
42-12050	Head, Complete (Includes 1955, 42-3729, 42-12049 and 91-90-447)
91-90-343	Head Pivot
91-90-447	Finger Blank Pivot

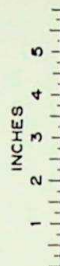
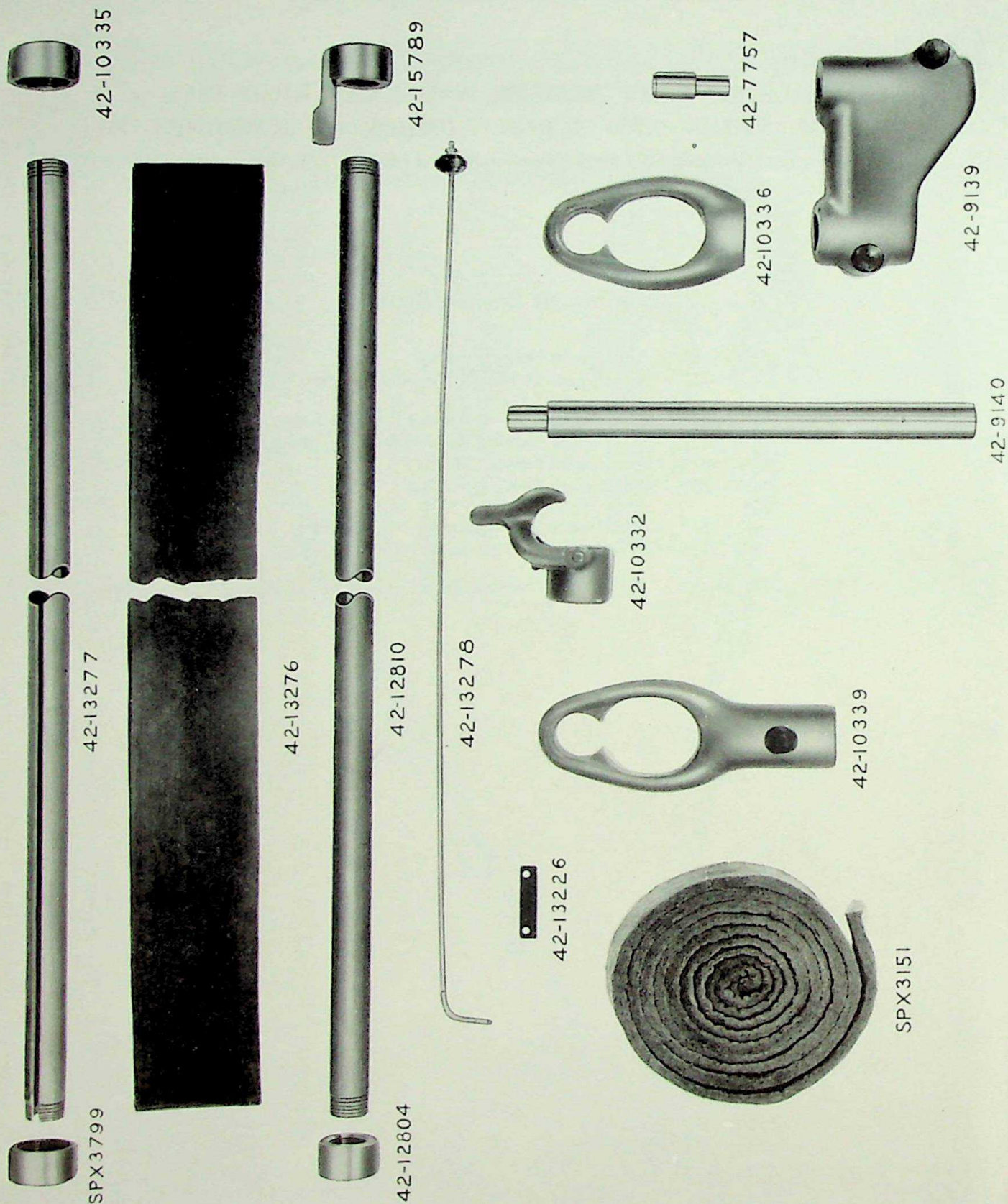


Attachment Driving Stand
- 60 -

**ORDER BY PART NUMBER AND NAME ALSO GIVE
SIZE, STYLE AND SERIAL NUMBER OF MACHINE.
(See instructions "How to order Repair Parts" in this book.)**

Attachment Driving Stand

- 42-685 Attachment Driving Pulley
- 42-687 Attachment Driving Pulley 4" Diameter
- 42-1016 Attachment Driving Bracket Bushing, Long
- 42-1017 Attachment Driving Bracket Bushing, Short
- 42-4813 Attachment Driving Shaft
- 42-9289 Attachment Driving Bracket
- 42-12767 Attachment Driving Pulley 10" Diameter
- 42-13599 Attachment Driving Shaft Pulley
- 91-204-131 Attachment Driving Shaft Collar



Silent Stock Support

**ORDER BY PART NUMBER AND NAME ALSO GIVE *SIZE, STYLE*
AND *SERIAL NUMBER* OF BOTH MACHINE AND ATTACHMENT.**

(See instructions "How to order Repair Parts" in this book.)

Silent Stock Support

42-7757	Stock Support Yoke Stud
42-9139	Silent Stock Support (Includes 42-7757 and 42-9140)
42-9140	Stock Support Yoke Rod
42-10332	Stock Support Latch
42-10335	Grease Tube Cap
42-10336	Stock Support Yoke, Right
42-10339	Stock Support Yoke, Left
42-12804	Stock Pipe Guide Cap, Left
42-12810	Stock Pipe
42-13226	Jacket Clamp
*42-13276	Jacket
42-13277	Supporting Pipe
42-13278	Grease Tube
42-13886	Stock Pipe, Complete (Includes 42-10335, 42-12804, 42-12810, 42-13226, 42-13276, 42-13277, 42-13278, 42-15789, SPX3151 and SPX3799)
42-15789	Stock Pipe Guide Cap, Right
SPX3151	Jacket Lining Felt
SPX3799	Supporting Pipe Cap

*Serial Number Stamped on This Part.