

WYSONG

PARTS LIST

NO. 1224 SHEAR



WYSONG & MILES COMPANY

625 Fulton St.

Phone BR 5-2864

GREENSBORO, NORTH CAROLINA

1224

WYSONG AND MILES COMPANY
625 FULTON STREET
GREENSBORO, NORTH CAROLINA

PARTS LISTS AND ILLUSTRATIONS
FOR
POWER SQUARING SHEAR NO. 1224

When ordering parts or literature please refer to the model and serial number of your machine. The serial number will be found stenciled on the table outside the right-hand side gauge.

April 1964

PARTS LIST FOR NO. 1224 SHEAR

<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
	<u>End Housing Assembly</u>	
1	End Frame (Right-Hand)	S52-46
1	End Frame (Left-Hand)	S52-47
	<u>Table Assembly</u>	
1	Table	S24-1
2	Table Adjusting Lugs	S52-21
2	Locking Plates (Table Bolts)	S52S-12
2	Locking Plates (Table Bolts)	S52S-13
2	Table Extensions	7E-61
2	Side Gauges	SGS-12
2	Dowel Pins	7ES-106
2	Ramp Plate	S24S-4
2	Ramp Plate Supports	S52S-43
1	Front Cover	S24S-6
2	Disappearing Stops	S12S-55A
1	Angle Gauge	5Y-66
1	Table Plate	S24S-19
	<u>Knife Bar Assembly</u>	
1	Knife Bar	S24-5
2	Take-Up Gibs	S52S-11
2	Take-Up Gib Locating Studs	7HS-82
1	Tension Rod	S24S-5
1	Tension Rod Stud	7GS-43
2	Eyebolts	S36S-18
2	Blades - 3" x 5/8" x 26"	
10	Blade Bolts - 1/2" x 2-1/2"	
2	Knife Bar Gibs	S52-19
	<u>Holddown Assembly</u>	
1	Holddown	S24S-17
1	Guide Strip	S24S-18
1	Finger Guard	S24S-14
6	Holddown Feet	7SS-94
6	Holddown Pins	S52S-78
6	Ball Sleeves	7SS-96
12	Steel Balls - 3/8" diameter	
6	Springs	B-114
6	Springs	B-105
2	Holddown Brackets	S52S-79
8	Lifting Lugs	S52S-61
2	Lifting Lugs	S24S-12
2	Lifting Bars	S52S-80
4	Lifting Bars	S24S-16
2	Finger Guard Clips	S10S-116
2	Springs (Middle)	B-74
4	Springs (Outside)	B-101
6	Truarc Rings	5100-87
6	Flexloc Nuts	1/2"

PARTS LIST FOR NO. 1224 POWER SQUARING SHEAR

<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
	<u>Eccentric Shaft Assembly</u>	
1	Eccentric Shaft	S24S-3
2	Eccentric Straps	S52-27
2	Eccentric Strap Bushings	S52-26
1	Eccentric Shaft Bearing (Right-Hand)	S52-8
1	Eccentric Shaft Bearing Bushing	S52-8B
1	Eccentric Shaft Bushing (Left-Hand)	S52-28
1	Eccentric (Left-Hand)	S36-4
1	Eccentric (Right-Hand)	S36-5
2	Connection End Pins	7YS-21
2	Locking Pins (Connection End Pins)	7YS-22
2	Keys (Eccentric)	S52S-19
	<u>Motor Assembly</u>	
1	Motor (1800 RPM, 184 Frame)	2 HP
1	Motor Base	S52S-20
1	Bracket (Motor Base)	S52S-25
1	Motor Adjusting Screw Bracket	S52S-26
1	Shaft (Motor Base Pivot)	S52S-27
1	Adjusting Screw Pivot Shaft	S52S-28
1	Motor Base Adjusting Screw	S52S-29
4	Truarc Rings (Motor Base, Adjusting Screw Pivot Shafts)	5100-62
1	Drive Pulley, 2 grooves, "A" Belt, 3.8" P.D., #1615 Bushing, 7/8" Bore, 3/16" Square Key	
2	A-Belts	A-53
1	Magnetic Starter	Size 0
	<u>Foot Treadle Assembly</u>	
1	Foot Treadle Shaft	S24S-1
1	Foot Treadle	S24S-2
1	Foot Treadle Lever	S52-24
1	Clutch Pawl Lever	S52-25
1	Foot Treadle Spring Lever	S52-20
1	Foot Treadle Collar	7JS-66
1	Bracket (Spring Guide)	7KS-99
2	Foot Treadle Plugs	7KS-50
1	Treadle Spring Eyebolt	S52S-14
1	Spring (Treadle Spring Eyebolt)	B-8
1	Pawl Lever Stud	8HS-56
2	Truarc Rings	5100-62
	<u>Brake Assembly</u>	
1	Brake Drum	S52-30
1	Female Brake Shoe	S52-31
1	Male Brake Shoe	S52-32
1	Brake Arm	S52S-35

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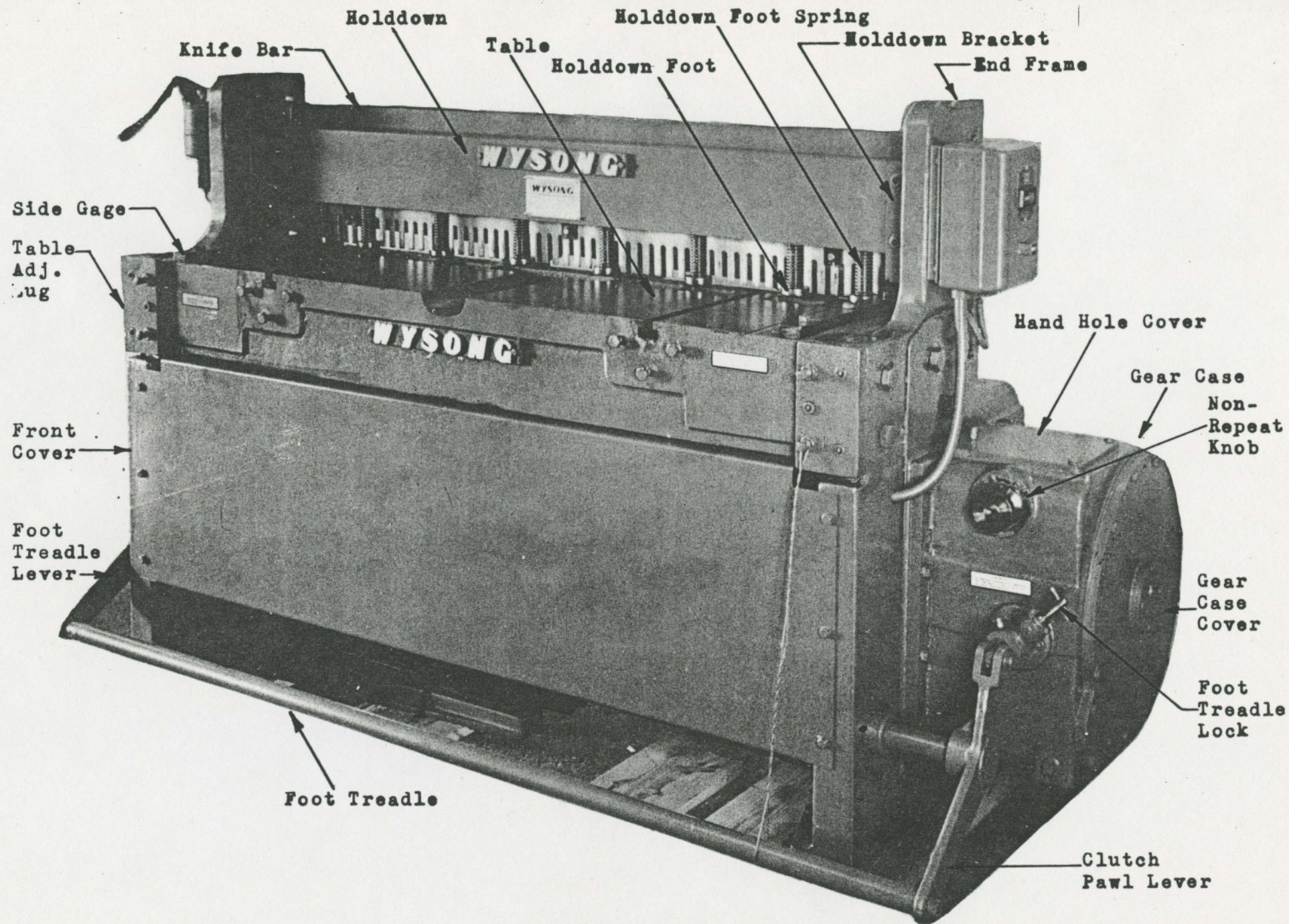
<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
	<u>Brake Assembly (Continued)</u>	
1	Brake Arm Pivot Stud	S52S-37
1	Brake Cover	S52S-36
1	Brake Arm Spacer	S10S-91
2	Spring Stud Washers	8HS-102
1	Male Brake Shoe Stop	8HS-104
1	Brake Drum Clamping Sleeve	S52S-30
1	Clamping Sleeve Collar	S52S-31
1	Brake Pivot Stud	S52S-32
1	Brake Pivot Stud Washer	S52S-33
1	Brake Cam	S52S-34
1	McGill Cam Follower	CF-1-3/4
1	Aetna Thrust Washer	W-33
1	Spring	B-21
2	Brake Linings (1/4" x 2" x 14-1/8")	
12	Brass Flat Head Machine Screws	10-32 x 1/2"
2	Truarc Locks	5100-87
1	Square Head Set Screws	1/2" x 13" x 2-1/2"
3	Flexloc Nuts	5/8" - 11
1	Flexloc Nut	1/2" - 13
1	Flexloc Nut	3/4" - 10
1	Flexloc Nut	3/4" - 16
1	Grease Seal (Victorprene)	#60914
	<u>Gear Box Assembly</u>	
1	Gear Case	S52-1
1	Housing Indicator Cover	S52-39
1	Gear Case Cover	S52-2
1	Bushing (Gear Case Cover)	S52-13
1	Gear Case Hand Hole Cover	S52-3
1	Thrust Plate	Aetna W-33
1	Bull Gear	S52-5
1	Bull Gear Bushing	S52-12
1	Clutch Drive Plate	S52S-8
1	Clutch Driven Plate	S52S-7
2	Clutch Driving Keys	S52S-1
1	Clutch Release Cam	S12S-51
4	Springs (Clutch)	B-70
1	Non-Repeat Cam	S52-11
4	Clutch Spring Studs	S12S-9
1	Bull Gear Retaining Ring	S52S-94 & 95
1	Pinion Shaft	S52S-6
1	Bearing (Pinion Shaft) - Fafnir	9112K
1	Lock Washer	W-12
1	Lock Nut	N-12
1	Pinion Shaft Bearing Support	S52-4
1	Bearing (Pinion Shaft, Flywhee End)	SKF 6210
1	Thrust Bearing	Aetna F-33

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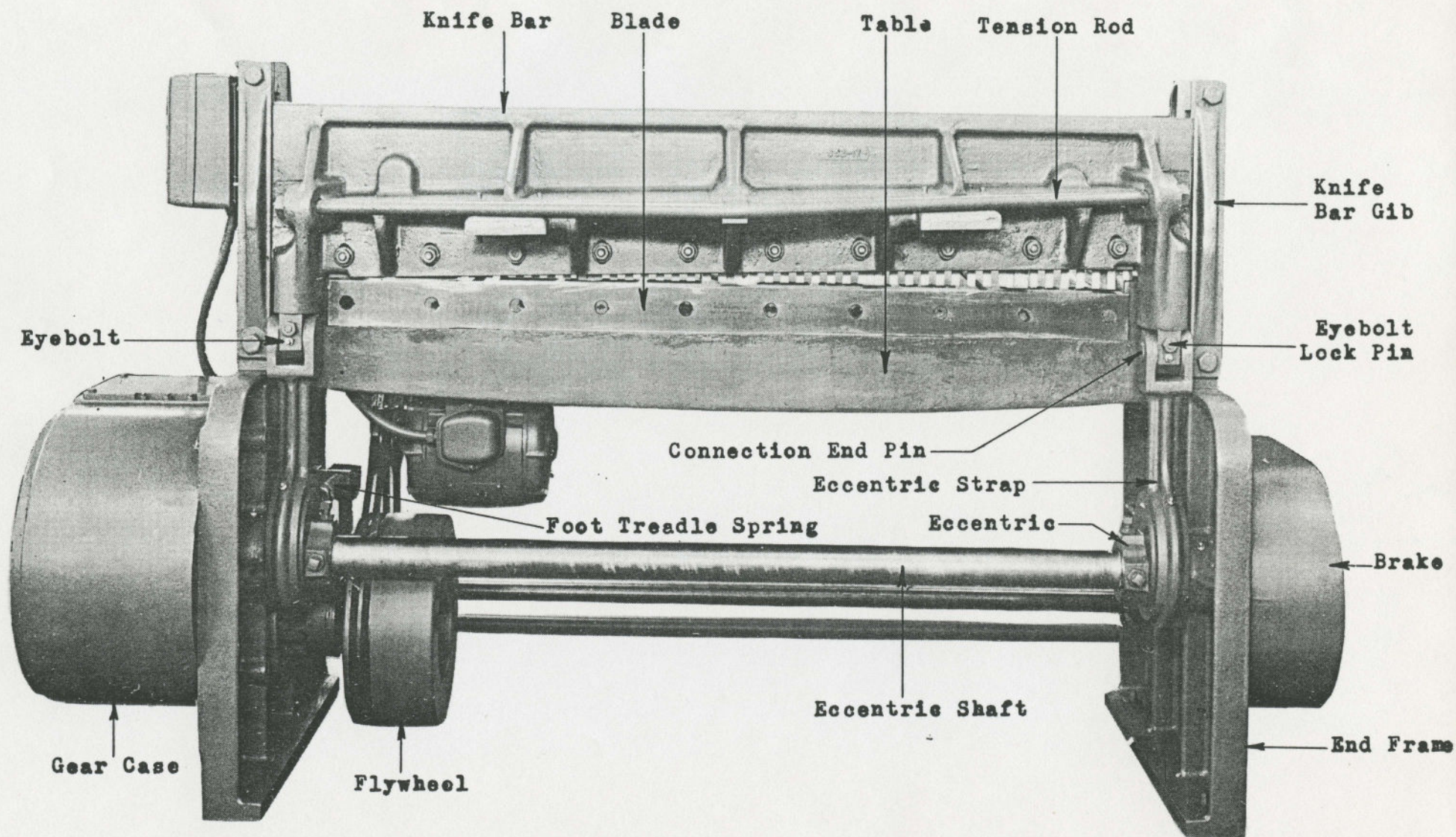
<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
	<u>Gear Box Assembly (Continued)</u>	
1	Lock Washer	W-10
1	Lock Nut	N-10
1	Oil Seal (Victorprene)	60730
1	Pinion Shaft Bearing Cap	S12-5
1	Flywheel	S52-10
1	Lock Washer	W-08
1	Lock Nut	N-08
1	Flywheel Key - 1/2" x 1/2" x 3" L	
1	Pawl Engaging Plunger	S52S-10
1	Engaging Plunger Guide	7Y-20
1	Lock Pin	7KS-96
1	Pin Guide	7KS-97
1	Spring (Foot Treadle Lock)	B-58
1	Clutch Bracket	S12-4
1	Clutch Bracket Spring Cap	S12S-13
1	Lifting Lever Shifting Arm	S52-7
1	Non-Repeat Arm	S52-9
1	Non-Repeat Pawl Lifting Lever	S52-6
1	Non-Repeat Arm Pivot Shaft	S52S-2
1	Non-Repeat Sleeve	S12S-19
2	Bushings (Non-Repeat Sleeve)	8H-22
1	Non-Repeat Shifting Knob	8HS-52
1	Non-Repeat Sleeve Retaining Collar	8HS-88
1	Non-Repeat Arm Roller	7KS-41
1	Non-Repeat Roller Stud	S52S-9
1	Non-Repeat Pawl	S12S-15
1	Pawl Slide Pin	S12S-22
1	Lifting Lever Shifting Stud	S52S-4
1	Shifter Arm Shaft	S52S-5
1	Cam Retracting Slide	S12S-80
1	Cam Retracting Roller	S12S-81
1	Pawl Retaining Collar	8HS-38
1	Pawl Lifting Stud	8HS-41
1	Pawl Striking Stud	8HS-48
1	Non-Repeat Sleeve Retaining Collar	8HS-45
1	Ball Spring Retaining Plug	8HS-50
1	1/2" Diameter Steel Ball	
1	Spring (Cam Retracting Slide)	B-19
1	Spring (Lifting Lever)	B-37
2	1/4" x 1" Woodruff Keys	#808
1	Key - 1/4" Sq. x 2-1/4" L.	
2	Truarc Rings	5100-62
3	Truarc Rings	5100-100
1	Oil Deflector	S52-35
1	Top Center Indicator	S52S-49
1	Bijur Window Unit	B-5104

PARTS LIST FOR NO. 1224 POWER SQUARING SHEAR

<u>QUANTITY</u>	<u>NAME OF PART</u>	<u>PART NUMBER</u>
	<u>Back Gauge Assembly - Micrometer</u>	
2	Rails	S52-34
1	Left-Hand Gear Housing	7H-417
2	Slides	7H-172
1	Clutch Shoe	7H-173
2	Driving Nuts (Stationary)	7H-200
2	Driving Nuts (Adjustable)	7H-201
1	Back Gauge Indicator	7H-202
1	Right-Hand Gear Housing	7H-431
1	Dial	7H-405
1	Pointer	7H-408
4	Slide Gibs	7HS-105
1	Handle	7HS-107
2	Washers	7HS-110
2	Screw Thrust Collars	7HS-112
2	Screw Miter Gears	7HS-113
1	Horizontal Miter Gear - Right-Hand	7HS-114
1	Horizontal Miter Gear - Left-Hand	7HS-115
1	Dial Adjusting Plate	7HS-122
2	Slide Screws	7HS-160
1	Horizontal Drive Shaft (Short)	7HS-166
1	Clutch Drum	7HS-168
2	Shoulder Screws	7HS-170
1	Rail Bushing	7HS-171
1	Left-Hand Gear Housing Cap	7HS-247
2	Slide Extensions	7HS-536
1	Measuring Dial	7HS-455
1	Locking Ring	7HS-484
1	Stop Gauge Adjusting Stud	7HS-386
1	Horizontal Drive Shaft (Long)	S24S-9
1	Back Stop Angle	S24S-7
1	Clamp Block	7HS-544
1	Clamp Stud	7HS-545
1	Locking Handle	7HS-546
1	Locking Block	7HS-547
2	Collars for Shoulder Screws	7HS-511
1	Spring	B-9
2	Thrust Bearings	F-5-3/4
2	Bearings	ND 88503
2	Bearings	ND 88504
1	Bearing	SKF 6206-2RS



FRONT VIEW



REAR VIEW

FOOT TREADLE LEVER

FOOT TREADLE SHAFT

PEDAL SPRING
GUIDE BRACKET

PEDAL SPRING EYEBOLT

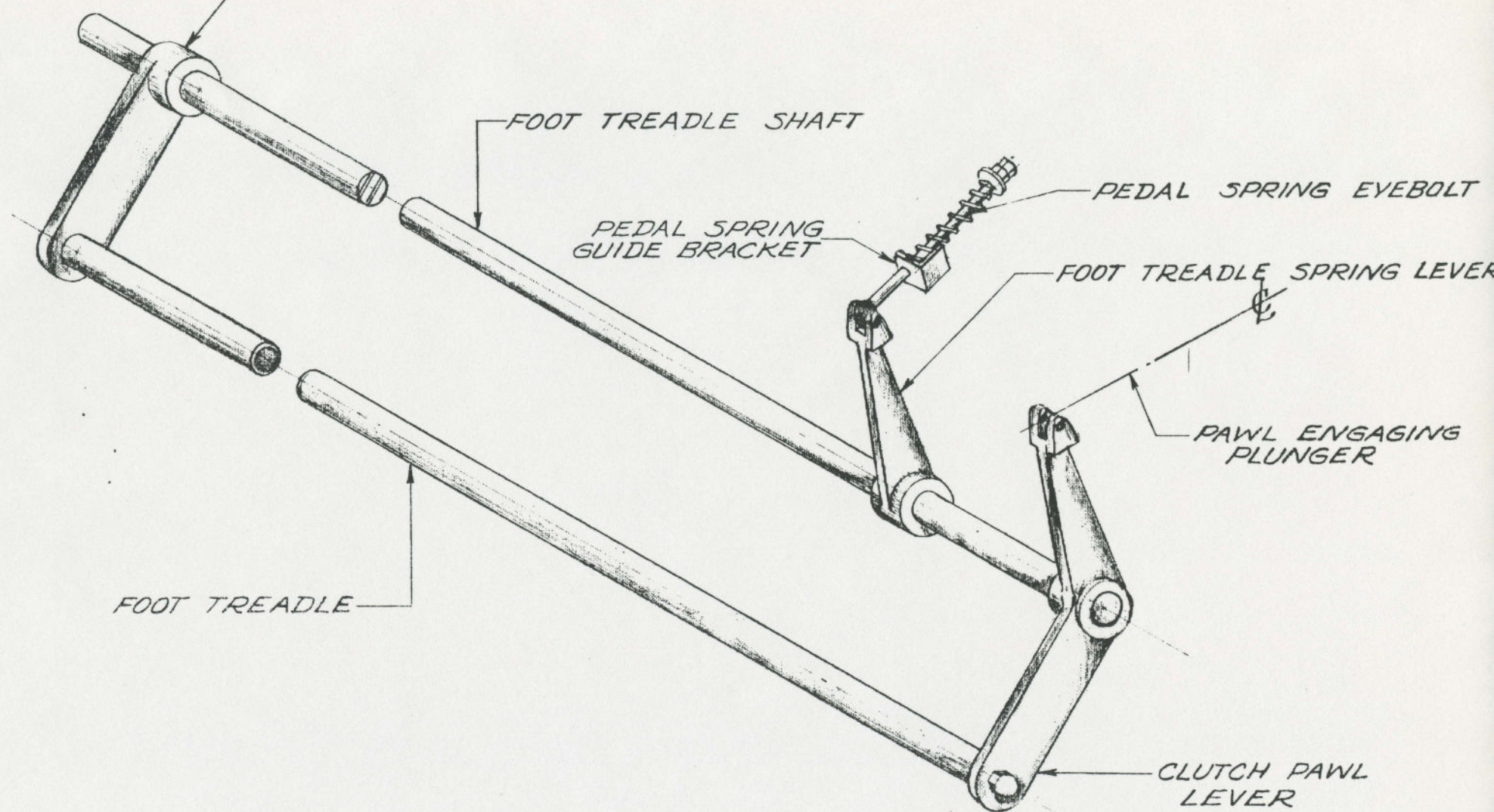
FOOT TREADLE SPRING LEVER

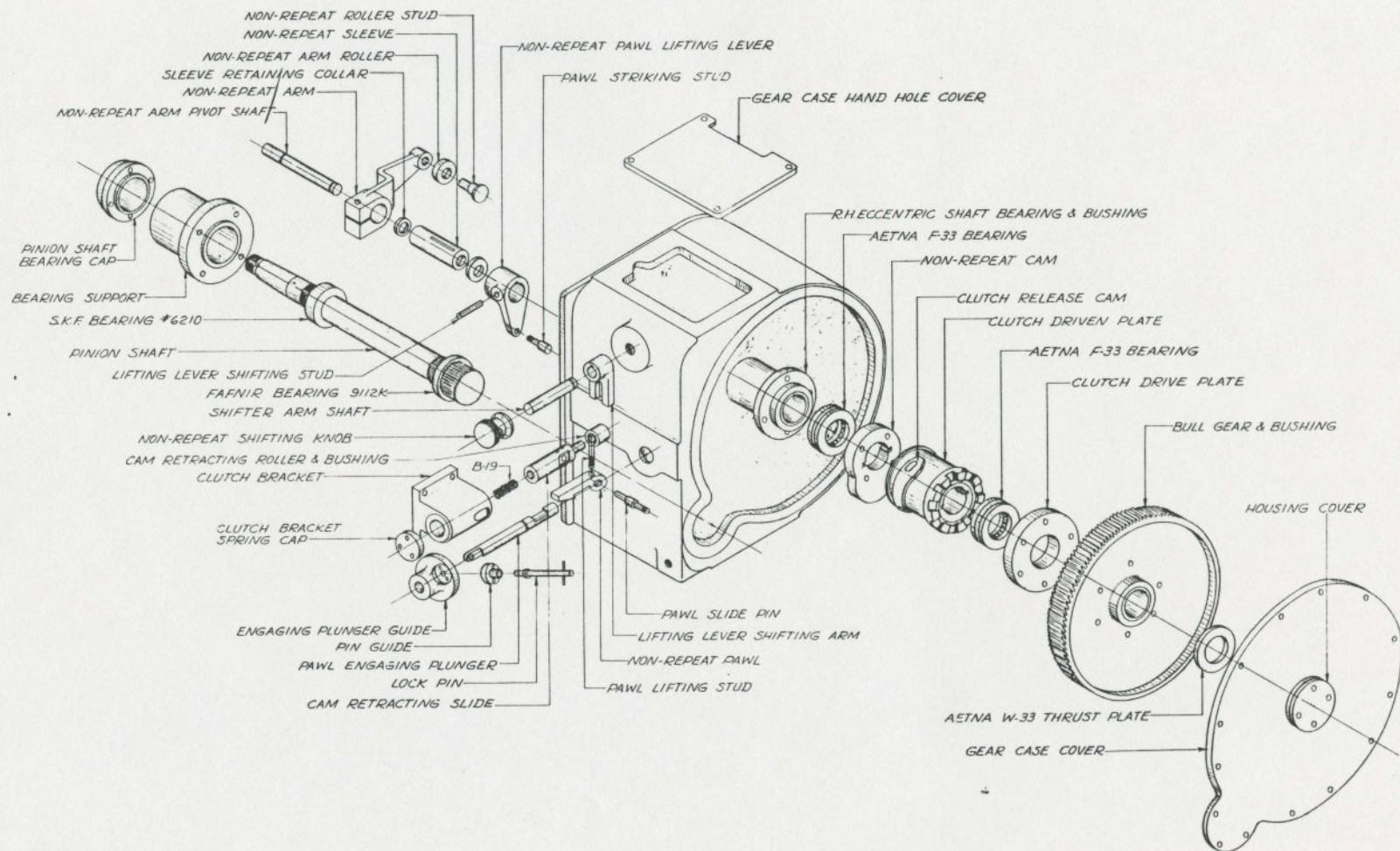
PAWL ENGAGING
PLUNGER

FOOT TREADLE

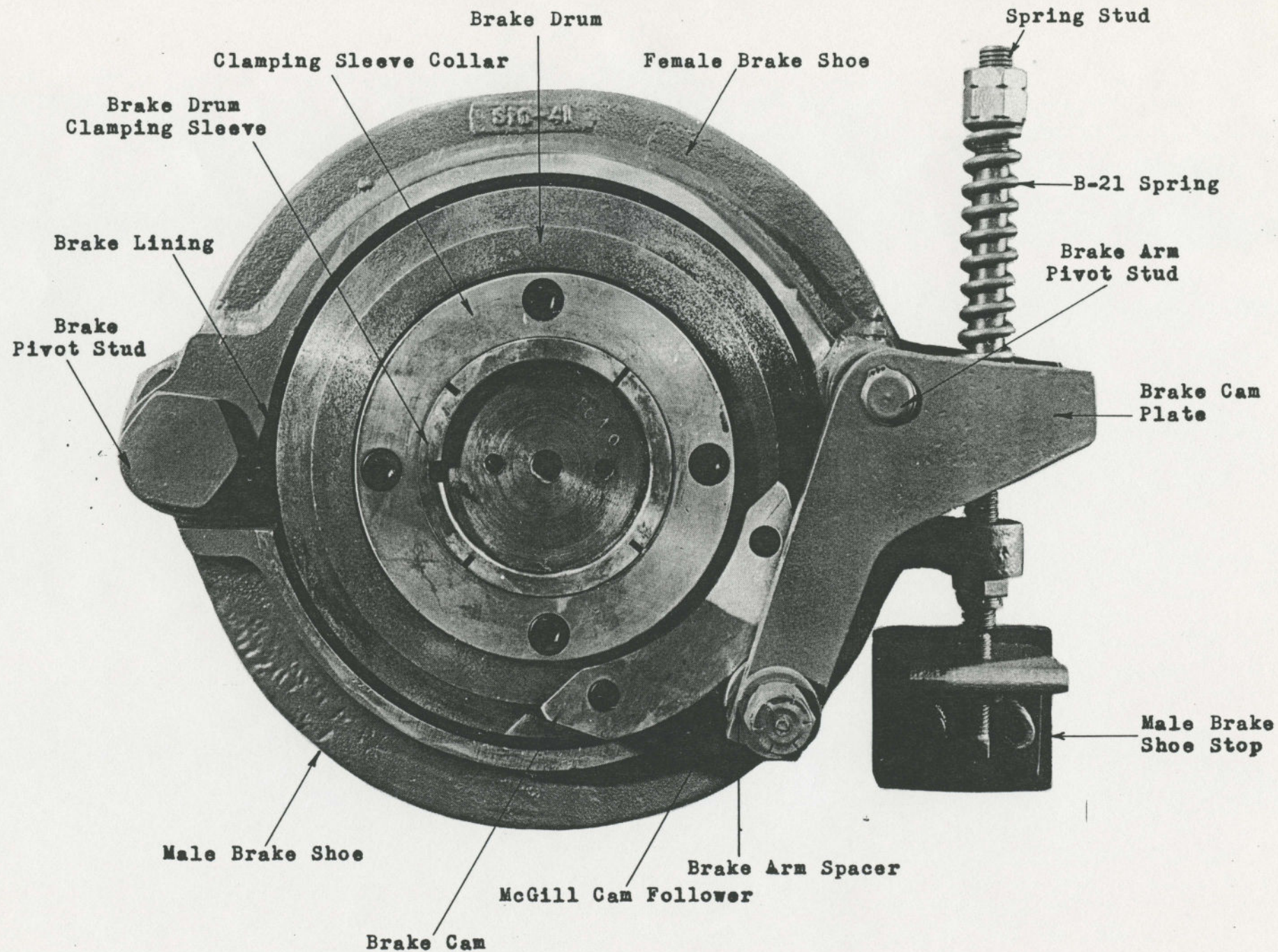
CLUTCH PAWL
LEVER

FOOT TREADLE ASSEMBLY



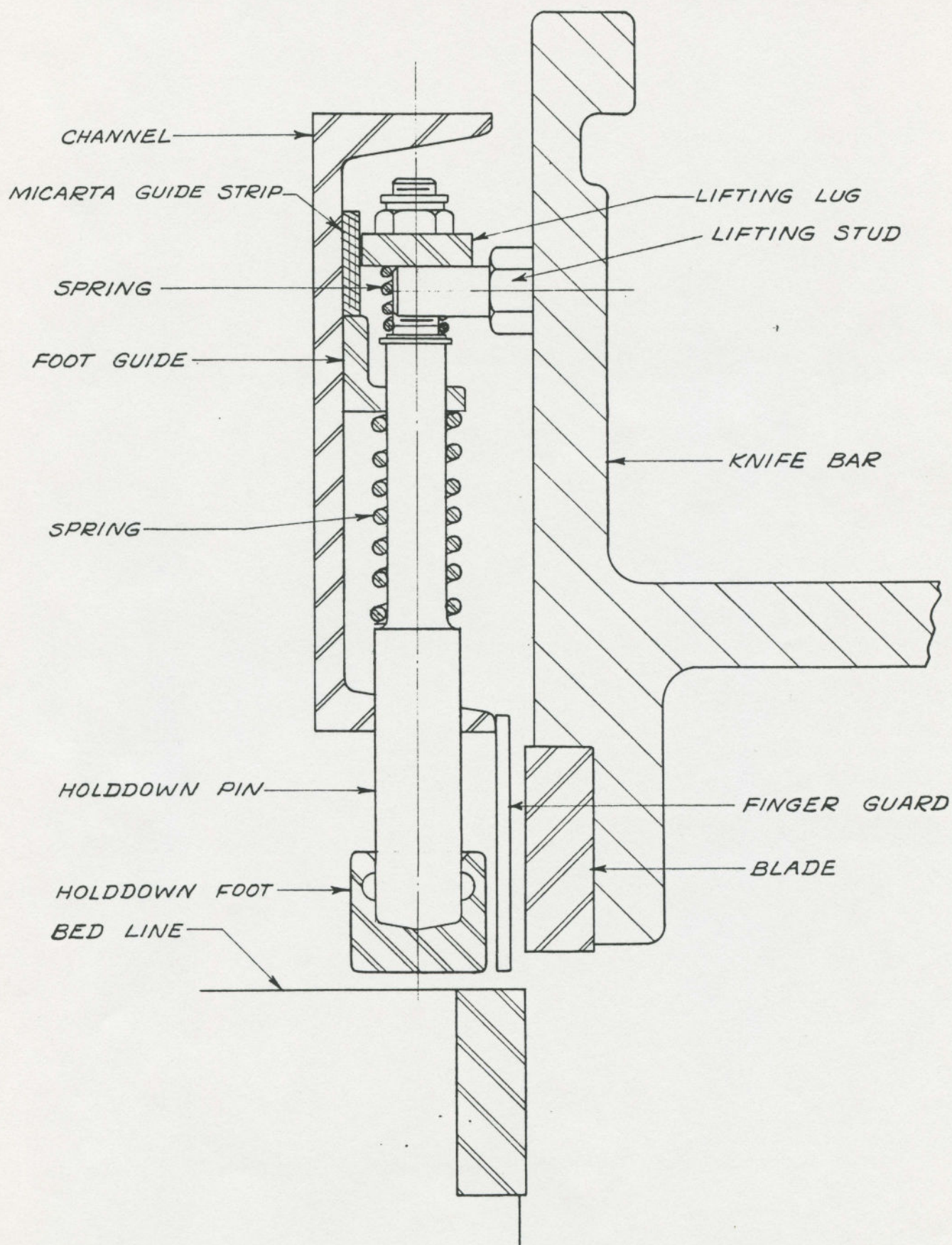


GEAR BOX UNIT

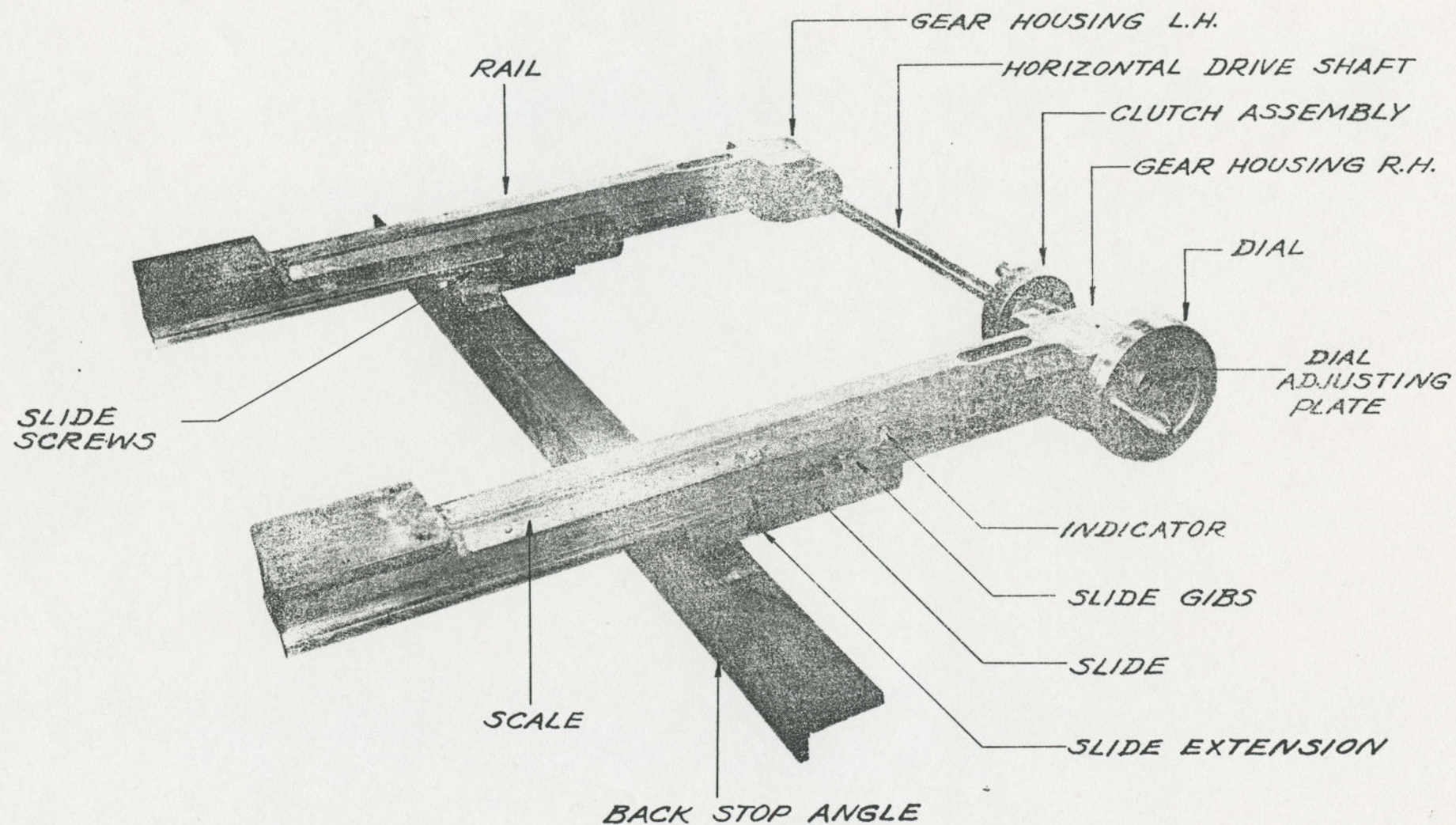


INTERMITTENT TYPE BRAKE

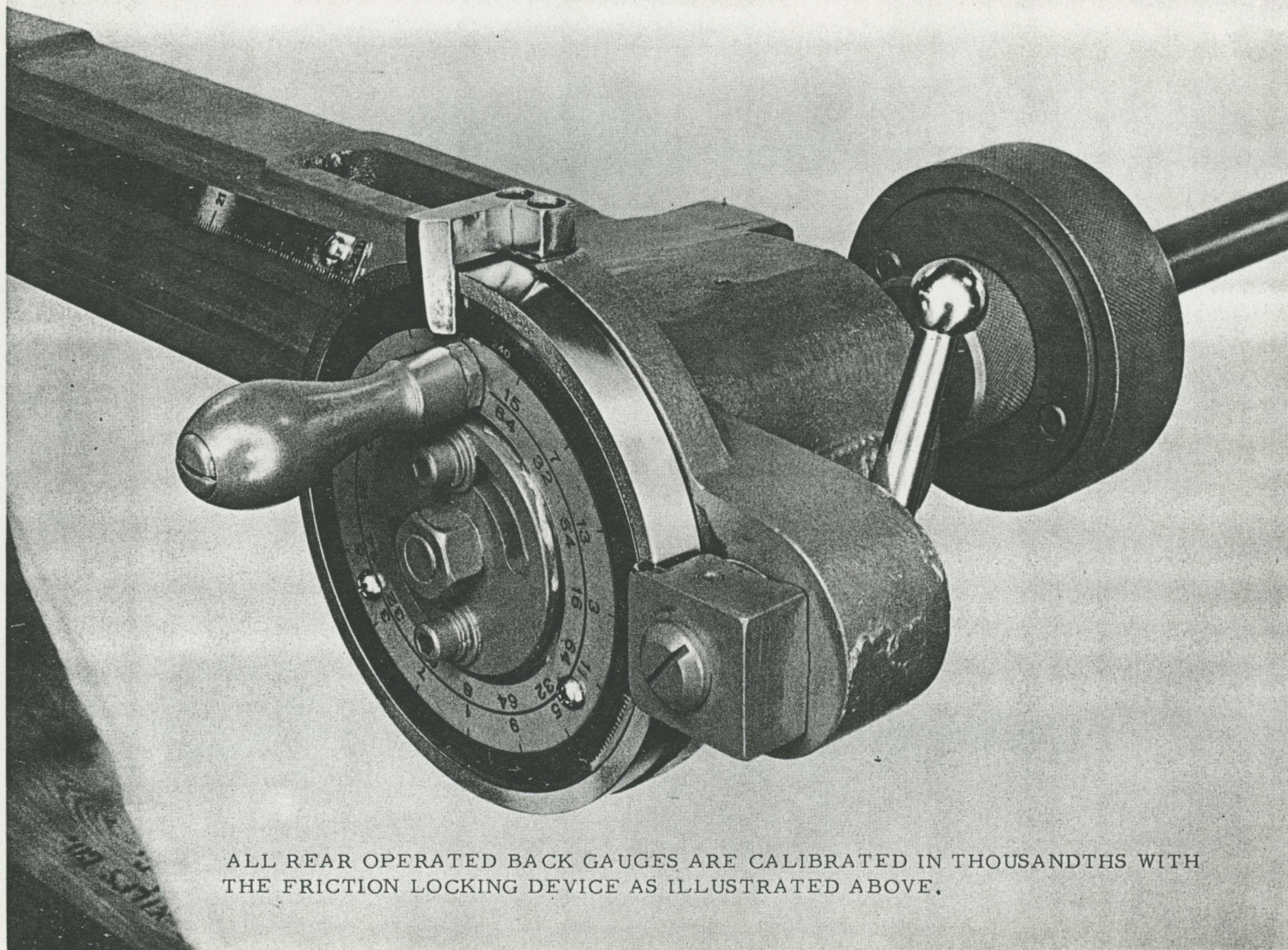
*NOTE: New Snap-On Holddown Feet standard on all power shears.
Holddown Feet with rubber inserts available at extra cost.*



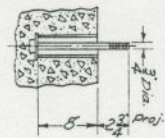
*LAYOUT OF TYPICAL HOLDDOWN ASSEMBLY
FOR MACHINES THROUGH 1010-RT*



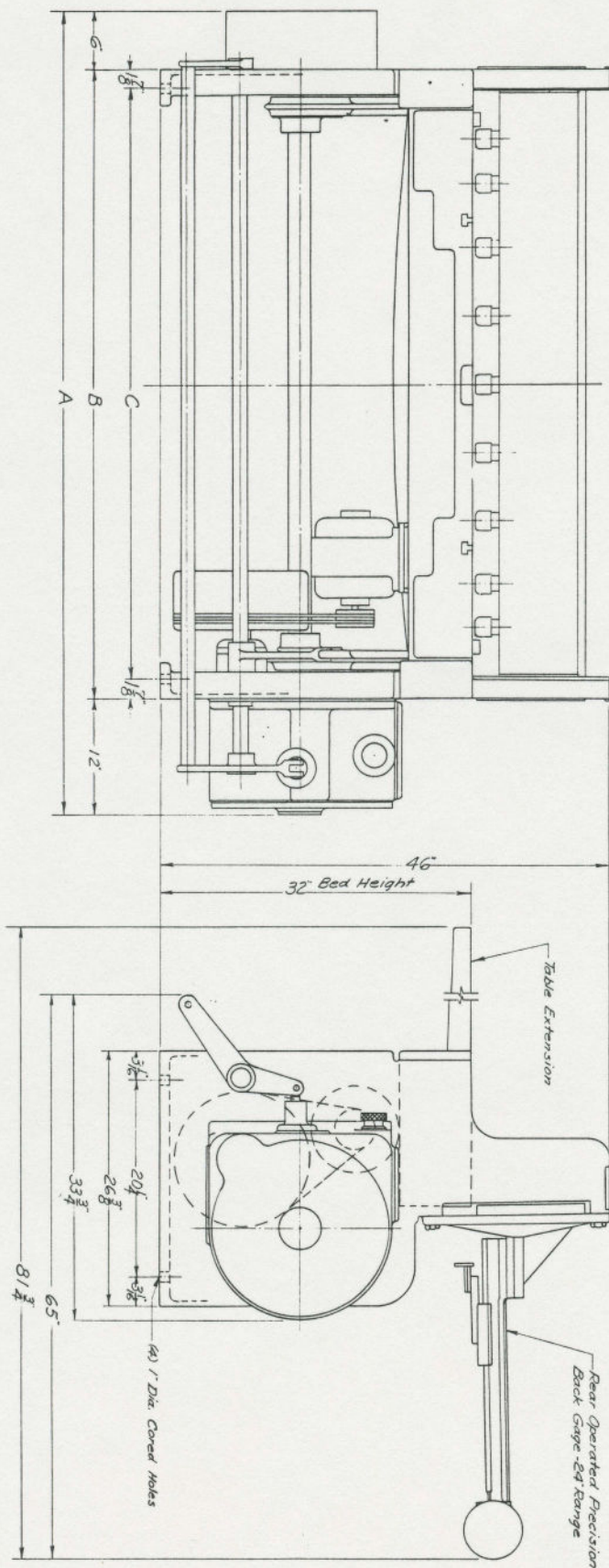
BACK GAUGE ASSEMBLY



Note: Foundation holes are cored, therefore are approximate. See sketch for method of setting anchor bolts.



Insert 2" pipe on centers as shown before pouring concrete.



MACH.	A	B	C
1224	55"	37"	33-1/4"
1436	67"	49"	45-1/4"
1452	82-1/2"	64-1/2"	60-3/4"
616	102-1/2"	84-1/2"	80-3/4"
1460	90-1/2"	72-1/2"	68-3/4"

FLOOR PLAN
NOS. 1224, 1436, 1452, 1460 & 616 SHEARS