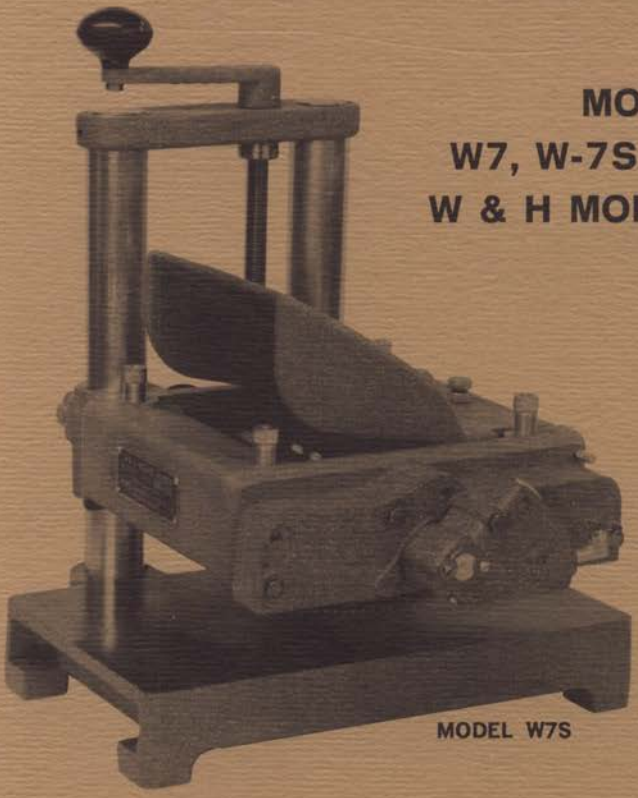
OPERATOR'S MANUAL



MODEL W7S

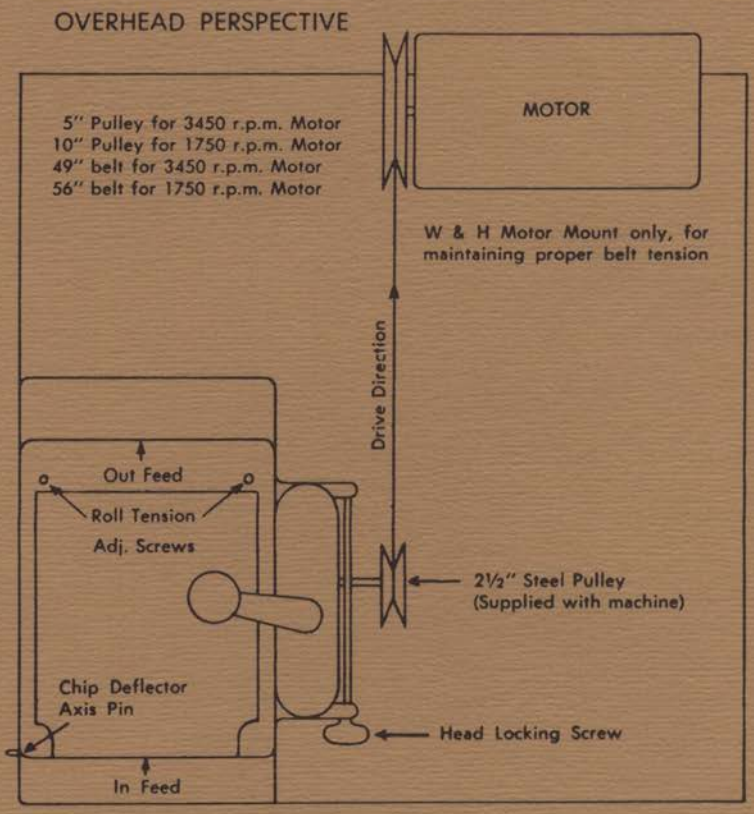
MODELS
W7, W-7S AND W-7PF
W & H MOLDER-PLANER

Your Savings Pile Up
As Your Shavings Pile Up

Manufactured and Sold by
Williams & Hussey Machine Corp.
MILFORD, NEW HAMPSHIRE 03055 • TEL. 603-673-3446

W & H Molder-Planer — Models W-7, W7PF and W7S Super

MOUNTING DIAGRAM AND INSTRUCTIONS



To obtain proper cutting speed, 3450 r.p.m. motors are recommended. Suggested *minimum* horsepower requirements.

Model W-7 — ½ h.p.
Model W-7PF — ¾ h.p.
Model W-7S — 1 h.p.
Best results will be obtained by using "W & H" Motor Mounts.

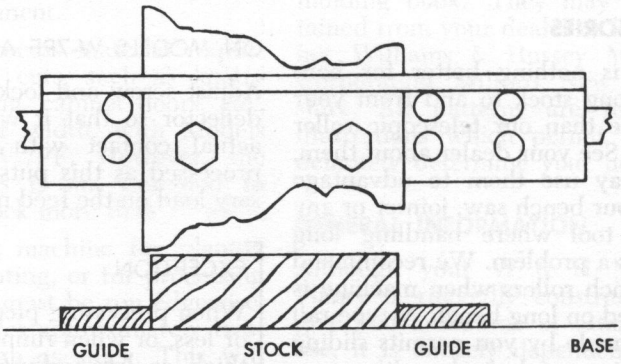
NOTE: Motor *must* be mounted horizontally to maintain proper belt tension when cutting head is raised or lowered. A rocker type motor mount *must* be used.

Mount your planer on a sturdy bench or stand. Excessive vibration will result in poor quality work.

A 10" pulley is required with a 1750 r.p.m. motor. In this case, elevate the W & H Motor Mount by placing it on a 3" x 12" block 1" thick screwed or bolted to bench.

HOW TO SET GUIDES OR FENCE

For planing, clamp one guide strip to inside edge of table. For moldings, be sure to size stock properly as to width of molding desired. Place stock on table directly beneath molding knives. Now clamp guide strips on either side of stock making sure that there is no binding. Use C clamps.



LUBRICATING INSTRUCTIONS

Model W-7

No lubrication required except occasional oiling of #54-11 cutting head elevating screw.

Model W-7PF and Model W-7S Super

Before Operating Your Planer fill gear box approximately *half full* of W & H "No-Drip" oil supplied with your machine. Check each time before starting your Molder-Planer, and maintain proper oil level. NOTE: Gear boxes are shipped dry and *MUST* be filled *BEFORE* being put into operation, or serious damage may result. While filling or adding oil, rotate cutter head back and forth to eliminate air bubbles and ensure entry of sufficient lubricant.

Oil cutter head elevating screw when needed.

CARE OF MACHINE AND KNIVES

For easier processing of stock, we recommend waxing the table from time to time, using any good grade of paste wax or ordinary paraffin.

Keep knives and all working parts free of pitch. (Kerosene is a good cleaning agent.)

To keep knives in good condition, stone frequently *ON FLAT REVERSE SIDE.* Do *NOT* attempt to sharpen on bevel edge except when necessary to remove nicks. All grinding should be done on flat reverse side!

ACCESSORIES

There is nothing better for handling long stock to and from your machine than our telescopic roller stands. See your dealer about them. You may use them to advantage with your bench saw, jointer or any power tool where handling long stock is a problem. We recommend our bench rollers when machine is mounted on long bench. V-type rail easily made by you permits sliding rollers to any desired position.

ORDERING KNIVES

Standard knives, as per patterns illustrated on our price list may be obtained from dealers stock. Be sure to order by pattern number. For moldings of special design, submit line sketch or sample to your dealer. Be sure line sketch is true as to pattern or molding detail. If molding requires depth cut greater than ¾", submit sample or line sketch direct to Williams & Hussey Machine Corporation, Milford, New Hampshire for consideration.

OPERATING INSTRUCTIONS

For access to cutting head, raise chip deflector with left hand and withdraw axis pin with right hand. Remove chip deflector, being careful to avoid striking knives.

ON MODEL W-7

Chip deflector should ride on stock, acting as an anti-kick-back mechanism and hold-down.

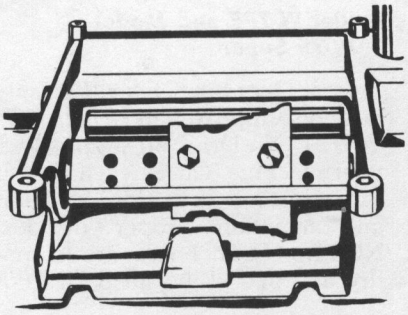
ON MODELS W-7PF AND W-7S

Adjust screw and lock nut on chip deflector so that it will *not* be in actual contact with stock being processed as this puts an unnecessary load on the feed mechanism.

EXCEPTION

When processing pieces 12" long or less, or when running stock ¼" thick or less, adjust screw and lock nut so that chip deflector *will* ride on the stock.

Be sure to loosen head locking screw (knob) #54-21 before raising or lowering head. Tighten before starting machine.



OPERATING INSTRUCTIONS (Cont.)

Molding knives are made to fit against shoulder of cutting head, as illustrated. Cutting edge of planning knives should be maintained ½″ off head at all times.

After putting bolts in place, slide knives to right as far as possible to ensure alignment.

You may process material requiring molding cuts, such as knotty pine panelling, cabinet doors, etc., regardless of width, with Models W-7 and W-7PF. However, the Model W-7S is not designed to plane the stock more than 7″ wide.

When using machine for planing edges or jointing, or for processing stock which must be run edgewise, prepare guides approximately two-thirds as high as stock. This will maintain stock perfectly upright and assure precision work.

Before starting machine be sure infeed and outfeed rolls are not riding on table.

IMPORTANT: Do not have more spring tension on infeed and outfeed rolls than is necessary to provide traction for processing stock. To increase tension, turn knurled screws to right; to decrease turn left. The pins which ride up and down inside knurled screws should not be more than ⅛″ above top of screws. *Too much tension on feed rolls* will cause gear reduction unit to run hot and will cause unnecessary wear of working parts. Variable feed speeds may be obtained by increasing or decreasing motor pulley size.

MOLDING BOOK

Over eight hundred standard molding patterns are illustrated in our molding book. They may be obtained from your dealer or by writing Williams & Hussey Machine Corporation, Milford, New Hampshire. All patterns are full size illustrations which permit you to definitely determine your need.

GENERAL INFORMATION

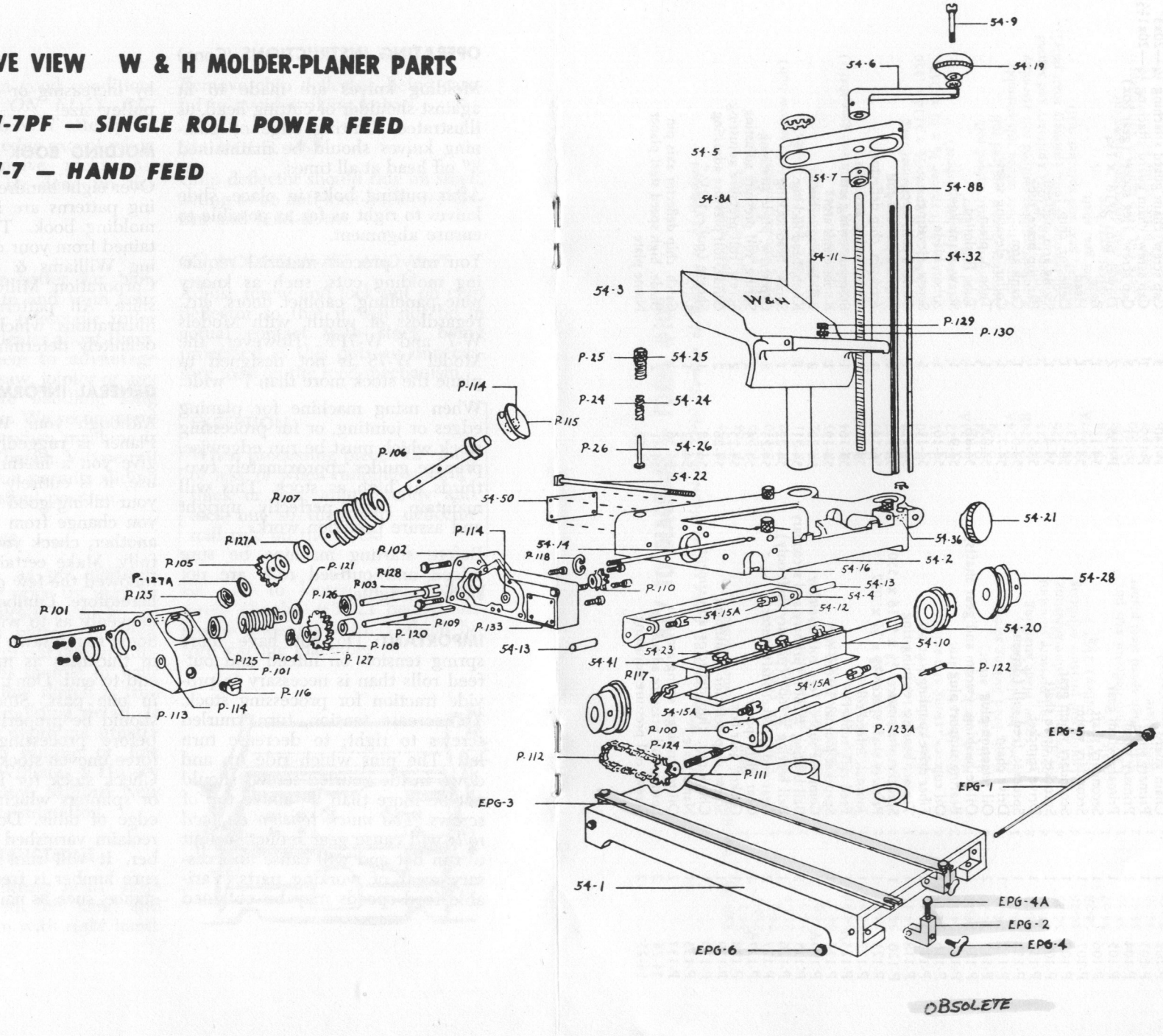
Although your W & H Molder-Planer is ruggedly constructed to give you a lifetime of satisfactory use, it is entirely dependent upon your taking good care of it. When you change from one operation to another, check your machine carefully. Make certain that you have followed the few details mentioned heretofore. Lumber may be sawed unevenly as to width or thickness. Some rough-sawn lumber may vary in thickness as much as ½″ from end to end. Don't try to even it up in one pass. Stock for moldings should be properly sized to width before processing. Don't try to force uneven stock between guides. Check stock for loose knots, scab or splinters which might catch on edge of table. Do not attempt to reclaim varnished or painted lumber. It will ruin your knives. Be sure lumber is free of foreign substance, such as nails, grit, etc.

PERSPECTIVE VIEW W & H MOLDER-PLANER PARTS

MODEL W-7PF — SINGLE ROLL POWER FEED

MODEL W-7 — HAND FEED

FORM #101



KEY TO DIAGRAM — FORM #101

Note: When ordering, please include Model and Serial Number of Machine to be repaired.

Part No.	No. Req.	Nomenclature
P-100	1	Swing arm, infeed
P-101	1	Gear box
P-102	1	Chain guard
P-103	1	Primary shaft
P-104	1	Primary worm
P-105	1	Primary worm gear
P-106	1	Secondary shaft
P-107	1	Secondary worm
P-108	1	Secondary worm gear
P-109	1	Sprocket drive shaft
P-110	1	Drive sprocket
P-111	1	Sprocket, feed roll (driven)
P-112	1	Drive chain
P-113	2	Oil retention plug
P-114	3	Oilite bushing, (worm and gear shafts)
P-115	1	Bearing support plug
P-116	1	Oil cup
P-117	1	Fiber drive coupling
P-118	1	Tru-arc bearing retaining ring
P-120	1	Sprocket shaft spacer 5/8 x 5/16 x .550
P-121	1	Primary shaft spacer 5/8 x 1/4 x .057
P-122	1	Journal, infeed roll
P-123A	1	Feed roll, rubber
P-124	1	Sprocket journal, infeed roll
P-124A	1	Complete rubber feed roll assembly
P-125	2	Ball bearing #1601 (primary and secondary)
P-126	1	Ball bearing #1602 (primary shaft only)
P-127	2	Gear and sprocket shaft spacer
P-127A	1	Gear shaft spacer
P-128	1	Gasket, gear box
P-129	1	Screw, chip deflector adjustment
P-130	1	Check-nut, chip deflector adjustment
P-133	1	Name plate
P-137	2	Oilite bushings, swing arm
54-24	2	Spring, roll pressure adjusting
54-25	2	Screw, roll pressure adjusting
54-26	2	Guide, roll pressure adjusting
54-15A	2	Screw, swing arm axis
54-16	1	Stop pin, swing arm
P-140	3	Cap screw, chain guard attaching 1/4—20x3"
P-139	1	Cap screw, chain guard attaching 1/4—20x1 1/2"
P-141	5	Cap screw, Hex socket (gear box)
P-138	2	Dowel pins 3/16" x 1 1/4"
54-1	1	Base
54-2	1	Head
54-3	1	Deflector, chip
54-4	1	Swing arm, outfeed
54-5	1	Bar, top brace, tube
54-6	1	Crank arm
54-7	1	Collar, elevating screw
54-8A	1	Tube A, plain
54-8B	1	Tube B, slotted
54-9	1	Screw, crank knob
54-10	1	Arbor, blade
54-11	1	Screw, elevating
54-12	1	Outfeed roll, steel
54-13	2	Journal, outfeed roll
54-14	1	Axis pin, chip deflector
54-15A	2	Screw, swing arm axis
54-16	1	Stop pin, swing arm
54-19	1	Knob, crank arm
54-20	2	Ball bearing, arbor
54-21	1	Knob, head locking
54-22	1	Screw, head locking
54-23	8	Cap screw, blade attaching
54-24	2	Spring, roll pressure adjusting
54-25	2	Screw, roll pressure adjusting
54-26	2	Guide, roll pressure adjusting
54-28	1	Sheave (pulley) 2 1/2"
54-32	1	Scale
54-36	1	Catch, chip deflector axis pin
54-41	2	Blade, high speed steel planer
54-50	1	Name plate

KEY TO DIAGRAM — FORM #102

Note: When ordering, please include Model and Serial Number of Machine to be repaired.

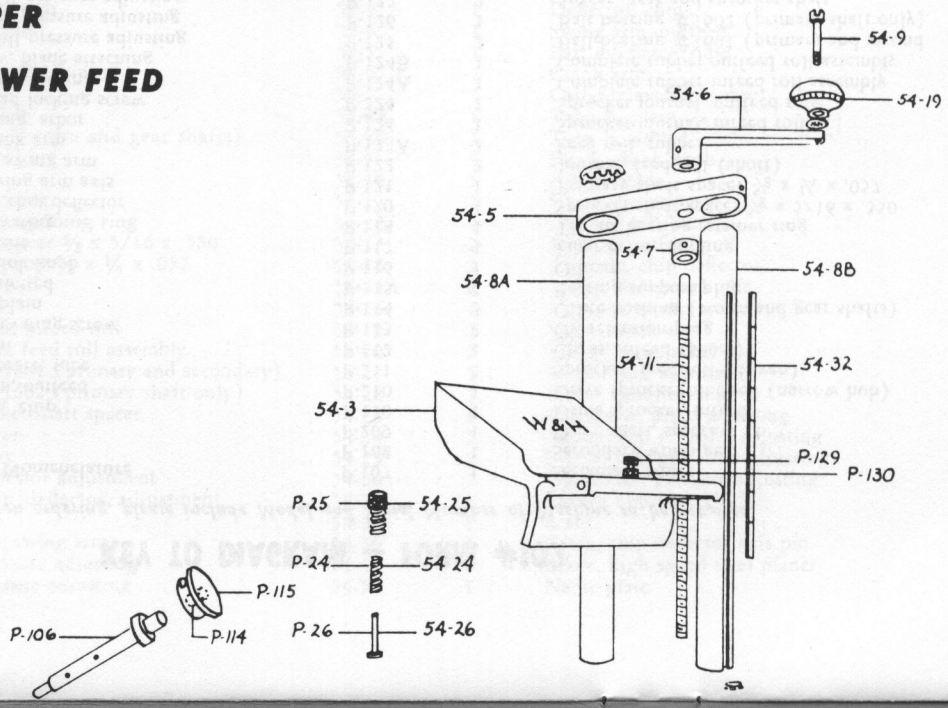
Part No.	No. Req.	Nomenclature
54-1	1	Base
254-2	1	Head
54-3	1	Deflector, chip
254-4	1	Swing arm, outfeed
54-5	1	Bar, top brace, tube
54-6	1	Crank arm
54-7	1	Collar, elevating screw
54-8A	1	Tube A, plain
54-8B	1	Tube B, slotted
54-9	1	Screw, crank knob
54-10	1	Arbor, blade
54-11	1	Screw elevating
54-14	1	Axis pin, chip deflector
54-15A	4	Screw, swing arm axis
54-16	2	Stop pin, swing arm
54-19	1	Knob, crank arm
54-20	2	Ball bearing, arbor
54-21	1	Knob, head locking screw
54-22	1	Screw, head locking
54-23	8	Cap screw, blade attaching
54-24	4	Spring, roll pressure adjusting
54-25	4	Screw, roll pressure adjusting
54-26	4	Guide, roll pressure adjusting
54-28	1	Sheave (pulley) 2 1/2"
54-32	1	Scale
54-36	1	Catch, chip deflector axis pin
54-41	2	Blade, high speed steel planer
54-50	1	Name plate
P-100	1	Swing arm, infeed
P-101	1	Gear box
P-202	1	Chain guard
P-203	1	Primary shaft
P-104	1	Primary worm
P-105	1	Primary worm gear
P-106	1	Secondary shaft
P-107	1	Secondary worm
P-108	1	Secondary worm gear
P-209	1	Drive shaft, sprocket
P-110	1	Drive sprocket, infeed
P-210	1	Drive sprocket, outfeed (narrow hub)
P-211	2	Sprocket, feed roll (driven)
P-112	1	Chain, infeed (short)
P-113	2	Oil retention plug
P-114	3	Oilite bushing (worm and gear shafts)
P-115	1	Bearing support plug
P-116	1	Oil cup
P-117	1	Fiber drive coupling
P-118	1	Tru-arc bearing retainer ring
P-120	1	Sprocket shaft spacer 5/8 x 5/16 x .550
P-121	1	Primary shaft spacer 5/8 x 1/4 x .057
P-122	2	Journal, feed roll (short)
P-123A	2	Feed roll, rubber
P-124	1	Sprocket journal, infeed roll
P-224	1	Sprocket journal, outfeed roll
P-124A	1	Complete rubber infeed roll assembly
P-124B	1	Complete rubber outfeed roll assembly
P-125	2	Ball bearing #1601 (primary and second
P-126	1	Ball bearing #1602 (primary shaft only)
P-127	2	Spacer, gear and sprocket shaft
P-127A	1	Spacer gear shaft
P-128	1	Gasket, gear box
P-129	1	Screw, chip deflector adjustment
P-130	1	Check nut, chip deflector adjustment
P-137	4	Bushing, oilite, swing arm
P-212	1	Chain outfeed (long)
P-213	1	Bushing, nylon
P-214	1	Collar, nylon
P-240	3	Cap screw, chain guard attaching 1/4—20x2"
P-239	1	Cap screw, chain guard attaching 1/4—20x3 1/2"
P-241	5	Cap screw, Hex socket (gear box)
P-238	2	Dowel pins 3/16" x 2"

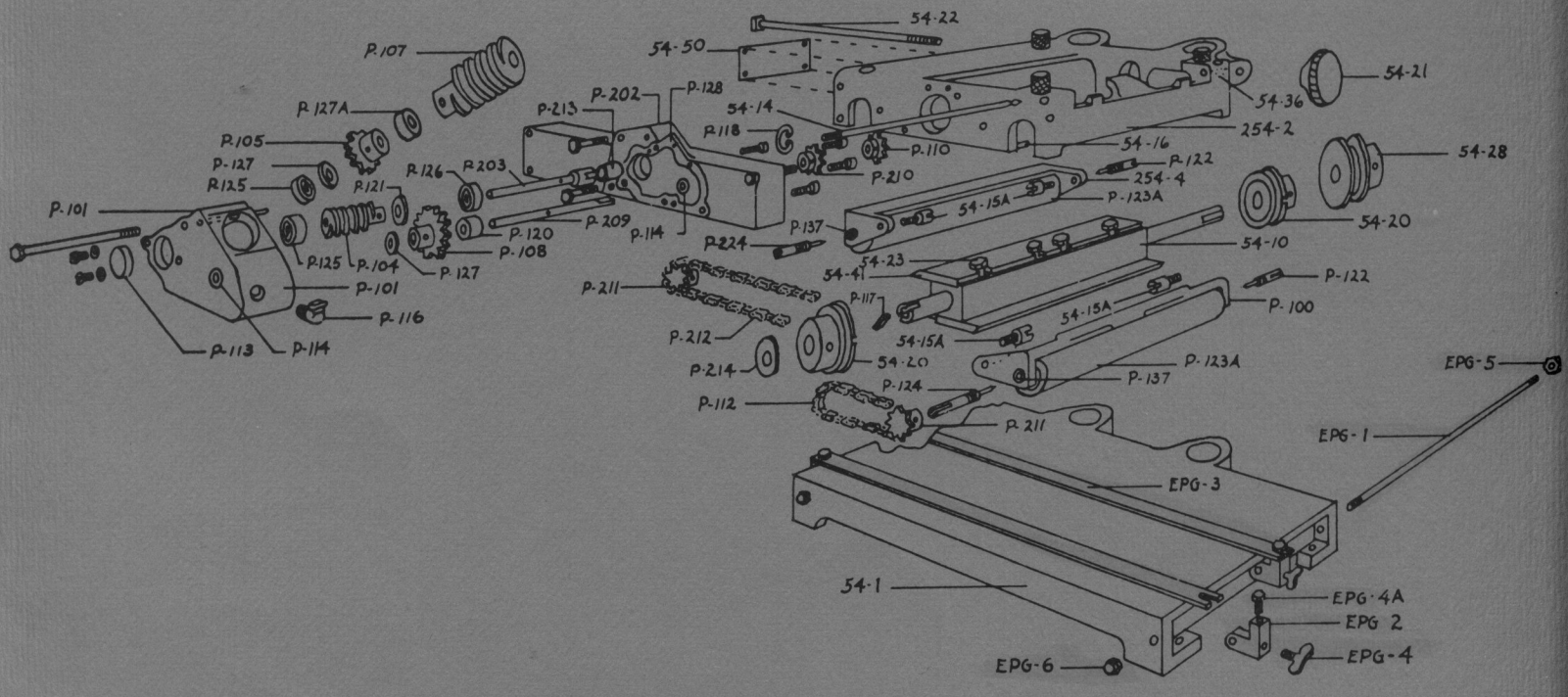
PERSPECTIVE VIEW W & H MOLDER-PLANER PARTS

MODEL W-7S SUPER

DOUBLE ROLL POWER FEED

FORM #102





Obsolete

MOLDER W and H PLANER

OPERATOR'S MANUAL

& PARTS LIST

INSTRUCTIONS FOR ATTACHING W-7 PFA POWER FEED ATTACHMENT TO MODEL W-7 W & H MOLDER-PLANER

1. Insert P-100 swing arm assembly in #54-2 head (held in place by 2 — #54-15 A screws.
2. Assemble P-112 chain on sprockets #P-111 and #P-210 *with swing arm in lowered position.*
3. Locate gear box on head by dowels, and insert screws supplied.
4. Raise swing arm assembly and insert #54-16 stop pin.
5. Assemble #P-129 and P-130 adjusting screw and lock nut in head casting.
6. Assemble and insert #P-24, 25, and 26 tension screw and spring assembly.
7. **FILL GEAR BOX WITH NO-DRIP OIL TO PROPER LEVEL BEFORE OPERATING MACHINE!**

W & H MOLDER-PLANERS
MODELS W-7, W-7PF & W-7S
are covered by U.S. patents
2,780,250
2,780,251
2,780,254
2,780,255

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