

PAPEC

ENSILAGE CUTTERS and HAY CHOPPER-SILO FILLERS

DIRECTIONS FOR OPERATING
PRICES FOR PARTS

Effective September 1, 1933
Fourth Edition



PAPEC MACHINE COMPANY
Shortsville, New York

Also Makers of
Feed Grinders « Feed Mixers

**STOCKS OF PAPEC MACHINES AND REPAIR PARTS
ARE CARRIED IN PRINCIPAL CITIES
FROM COAST TO COAST
AS FOLLOWS:**

ALABAMA—Birmingham.....	Yeilding Brothers Co.
ALABAMA—Montgomery.....	Alabama Machinery & Supply Co.
ARIZONA—Phoenix.....	Arizona Tractor & Equipment Company, 138 South First Avenue
CALIFORNIA—San Francisco.....	John Deere Plow Company
CONNECTICUT—Hartford.....	Bill Brothers
GEORGIA—Atlanta	Almand Implement Company
ILLINOIS—Elgin	Elgin Transfer & Storage Company
ILLINOIS—Springfield	Merchants' Transfer & Storage Company
INDIANA—Indianapolis	Papec Machine Company, 22-24 So. Senate Ave.
IOWA, Waterloo.....	Waterloo Concrete Corporation
MAINE—Lewiston	Haskell Implement & Seed Company
MARYLAND—Baltimore	The E. A. Kaestner Company
MICHIGAN—Grand Rapids	Western Michigan Transfer & Storage Company
MINNESOTA—Minneapolis	Deere & Webber Company
MISSISSIPPI—Corinth	Corinth Machinery Company
MISSOURI—Kansas City	The Rhodes Implement Company
NEBRASKA—Omaha	John Deere Plow Company
NEW BRUNSWICK—St. John	Frost & Wood Company, Ltd.
NEW YORK—Unadilla	Unadilla Silo Company, Inc.
NEW YORK—Utica.....	Papec Machine Company, 85 N. Genesee St.
NORTH CAROLINA—Raleigh	Job P. Wyatt & Sons Company
NORTH CAROLINA—Salisbury.....	Carolina Tractor & Equipment Company
NOVA SCOTIA, CANADA—Truro.....	Frost & Wood Maritime Ltd.
OHIO—Canton	Cummins Storage Company
OHIO—Columbus.....	Columbus Terminal Warehouse Co.
ONTARIO, CANADA—Smiths Falls.....	The Frost & Wood Co., Ltd.
ONTARIO, CANADA—Woodstock	John Fowell & Son
OREGON—Portland	John Deere Plow Company
PENNSYLVANIA—Honesdale.....	Murray Company
PENNSYLVANIA—Lancaster	Landis Brothers
QUEBEC, CANADA—Montreal	Frost & Wood Quebec Ltd.
TENNESSEE—Knoxville	Justus & Company
TENNESEE—Nashville.....	Nashville Machine & Supply Co.
TEXAS—Dallas	Texas-Papec Machine Co., 208 N. Jefferson St.
WISCONSIN—Milwaukee	John Deere Plow Company
UTAH—Salt Lake City.....	Consolidated Wagon and Machine Company
VIRGINIA—Lynchburg.....	Bailey-Spencer Hdwe. Co. (Inc.) 1014 Main St.
VIRGINIA—Richmond	Hening & Nuckols, Inc.

MAIN OFFICE AND FACTORY

PAPEC MACHINE CO., SHORTSVILLE, N. Y., U. S. A.

Order Repairs from nearest stock

INDEX

	Page
General Directions	2
Setting Up Machine	2-3-4
Operating Instructions	4
Adjustments to Machine	4-5
Suggestions on Hay Chopping	5-6
Lengths of Cut	7-8-9
Castings and Malleable Parts	10-17
Steel and Sheet Iron Parts	17-18
Feed Table Parts	19-20
Shafting and Pins	20-21
Knives, Shredders, Shearplates	22
Pulleys and Pulley Hubs	22
Sprocket Chain	23
Mount Parts	23-24
Miscellaneous	24-25
Hay Chopper—Silo Filler Special Parts	26-27
Knife Grinder Parts	28
Illustration of Parts	29-36

MACHINE AND MOUNT CODE WORDS

Codeword	Description	Codeword	Description
Knight, 158 Cutter with 3 knives, mounted		Lament, Mount complete for 127 or L	
Lath, 127 Cutter with 3 knives, mounted		Nodal, Mount complete for 81	
Nurse, 81 Cutter with 2 knives, on legs		Retain, Mount complete for R cutter	
Nabob, 81 Cutter with 2 knives, mounted		Kimbo, K Chopper with 3 knives, 3 finger feed	
Nozzle, 81 Cutter with 3 knives, on legs		rolls, mounted	
Nutmeg, 81 Cutter with 3 knives, mounted		Kido, K Chopper with 3 knives, 1 finger feed	
Reach, R Cutter with 2 knives, on legs		roll, mounted	
Razor, R Cutter with 2 knives, mounted		Lido, L Chopper with 3 knives, 1 finger feed	
Apron, Mount complete for 158 or K		roll, mounted	

General Directions

These instructions are for your guidance and safety. Read them carefully.

OPENING HINGE COVER: Never open the hinge cover or upper part of wheel casing when cutting wheel is in motion. Always wait until the cutting wheel STOPS.

LOCKING THE KNIVES AND KNIFE SUPPORTS. When knives are removed from cutting wheel do not start machine unless knife supports are securely fastened with knife bolts. Never start machine until you make sure knives clear the shearplate. Be sure to tighten all lock nuts after changing or adjusting knives.

MAKING ADJUSTMENTS: Stop machine when any adjustment is necessary. Be sure to notify the engineer not to start machine again until he has instructions from you.

REMOVING OBSTRUCTIONS FROM FEED ROLLS: Do not attempt to remove obstructions from feed rolls by hand while machine is running. Use the reverse mechanism.

STONES AND TOOLS ON GROUND: Don't allow stones, blocks, wrenches, etc., on ground near your machine. They are apt to be thrown onto the feed table.

OPERATING: Any speed in excess of that stenciled on the machine is unnecessary and should be avoided. Under proper conditions, lower speeds usually give satisfactory results. Don't begin feeding until machine is at proper operating speed. Stop feeding and give machine a chance to clear itself before power is shut off.

FASTEN BLOWER PIPE SECURELY: See that blower pipe is properly bolted together when raised. When in position, brace and fasten pipe securely.

TRANSPORTATION: When specified with order and installed at the factory, wheels with roller bearings and for rubber tires can be supplied at extra cost in place of standard steel wheels. Standard steel wheel equipment not guaranteed if trailed at more than team speed or four miles per hour.

Setting Up Machine

REMOVING END-PLAY: First, see that cutting wheel is in proper position by turning slowly backward by hand to make sure that it has not been displaced in transit, and that it revolves freely. Examine the main shaft for end-play. To eliminate end-play it is only necessary to remove the bevel gear cover, loosen the taper key in the bevel gear and pull the shaft and wheel over so that the cap on the end of the shaft is tight against the bearing. Then move bevel gear up against the bearing and tighten key.

MOUNTING: To mount machine on truck, first fasten drive pulley in place. Hub should be tight against bearing. Turn machine over carefully on to drive pulley and remove wooden skids. Bolt mount frame to machine and put on rear truck wheels. Rear legs on Models 158, K, 127 and L are on top of mount frame. Mount frame on Model 81 is inside front legs and outside rear legs. Mount frame on Model R is inside all four legs. Block the rear wheels and bring machine frame to a horizontal position, then put on front axle, front wheels, pole and table support.

FEED TABLE ASSEMBLY: Lay bottom board, A, on the cleat, B, with the front end between jaws of the cutter with the side counterbored for bolt heads up. Insert the $\frac{3}{8}$ " carriage bolts that attach this board to frame, and table support, tighten nuts with fingers only. All bolts in the table must be inserted in their proper place before tightening any of the nuts. Attach the formed channels, C, D, E, to bottom board as shown. Carriage bolts should have flat washers under the head fitting into the counterbores.

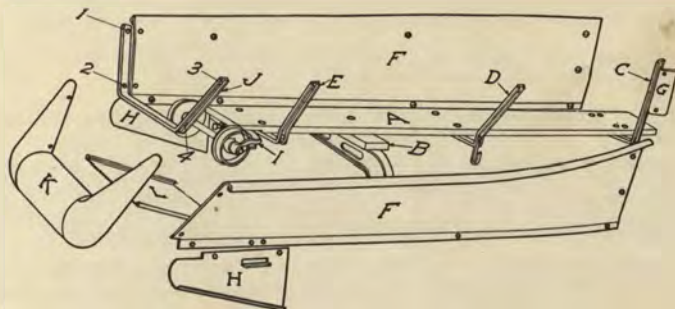
their proper place before tightening any of the nuts. Attach the formed channels, C, D, E, to bottom board as shown. Carriage bolts should have flat washers under the head fitting into the counterbores.

Attach the table sides, F, to the formed channels, inserting the bolts along the bottom edge first, using short slotted head bolts with lock washers under the nuts. Then insert the long bolts through table sides, front channel and clips, G, which fasten them to jaws of cutter, also the other bolts near top of sides.

Bolt on one hanger, H, with flange out, insert the end bracket, I, with pulleys, then attach the other hanger H.

Lay end channel, J, in the slots and under the table sides at the end and attach the end piece, K. In doing this always insert the bolt, 1, at the top of table side first, then the lower bolt, 2, on the same side. Leave these nuts very loose until the other end of piece, K, is swung forward into place and the bolts, 3 and 4, are inserted. Then, and not until then, with screw driver and wrench tighten up all bolts and nuts.

The folded edges of guard sheet, L, slide over the flanges along the lower edges of the hangers, H. This piece is slid in from the front and driven back even with hangers, with block of wood and hammer.

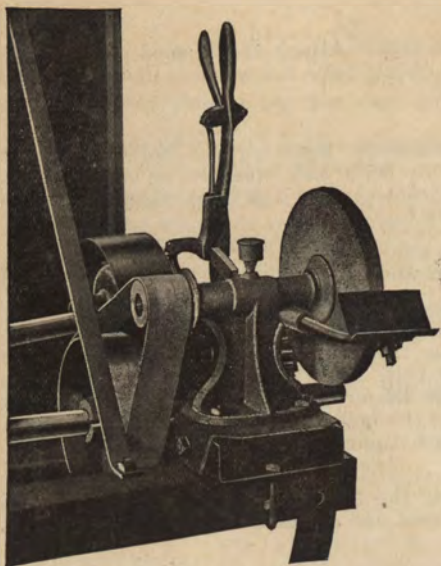


After feed table is assembled and in position on the machine install the traveling feed apron with flat edges towards feed rolls.

LOCATING MACHINE: Have machine level and well braced against pull of belt. In silo filling place machine close to silo so that pipe will be vertical as elevating force is most effective when directly under the silage, carrying it straight up.

ERECTING PIPE: Follow instructions under General Directions. Put on short lengths last or next to machine for easy adjustment for height. Do not force the pipe to either side, but move machine so that pipe is in a natural position. Otherwise the delivery chute may be sprung to such an extent that fans will not clear it.

When machine must be located a distance from silo, the use of curved pipe is recommended. This pipe is supplied in three foot sections, four sections making a half circle eight feet in diameter. Slightly higher operating speed, however, is required to carry silage thru a closed curved pipe. Use downward-sloping pipe rather than horizontal pipe—have at least an inch to foot drop.



ATTACHING KNIFE GRINDER: Note illustration. Attach split pulley to bevel gear shaft. Attach lower bracket No. E8B (see plate page 27) to right hand corner of machine frame using two hook bolts. Attach upper bracket No. E8A to grinder frame No. E3, then slide it in position on the lower bracket. Put on belt and, after drawing tight, bolt upper and lower brackets together on each side. Put on emery wheel, grease cups, tool rest, etc.

Note—ON Model 81 cutter the same bolt that holds delivery chute brace fastens lower bracket of grinder. After attaching grinder be sure to turn cutting wheel by hand to see that fans do not strike delivery chute. If fans strike, enlarge hole in lower end of delivery chute brace.

Operating Instructions

SHEARPLATES: Shearplates for all sizes Papec machines except for Model R are made from special iron, chilled on the cutting edge. We recommend the installation of a new shearplate each year, except on the model R which is equipped with a shearplate of tool steel. The latter should be reground to a square edge each year. Keep shearplates sharp for good, clean cutting with a minimum of power.

BELTING: Drive belt should be flexible and approximately the width of machine pulley. An endless belt is better than lacing of any kind.

PULLEY SIZE: Have the correct size pulley on machine to give the speed stenciled on machine. Higher than rated speed is unnecessary and a waste of power. Best results can be obtained by using a pulley of the proper size to maintain a uniform speed under load. To arrive at proper diameter of pulley for the Papec, multiply revolutions per minute of engine pulley by pulley diameter in inches and divide by speed. If in doubt regarding proper pulley size, write for special information.

POWER: Sufficient power to maintain uniform rated speed under load should be supplied. For light, or small electric power, slow speeds are recommended. Elevation is efficient at 360 to 400 RPM under load. For short cuts where sufficient power is available, to increase capacity feeding the recommended speed of cutting wheel (R, 700; S1, 650; 127 and L, 600; 158 and K, 550 RPM) may be increased 20 to 40% over the RPM stenciled on the machine. For small gas engines or electric motors up to 10 HP, we recommend reduced speed and a short center drive using Rockwood Unipull Portable Power Truck. Special bulletin, covering the portable power truck and silo filling with small electric motors, sent on request.

FEED CONTROL: A lever controls forward, neutral and reverse of the entire feeding mechanism. Move the lever quickly to avoid strain on points of gear teeth. Reverse feeding mechanism between loads to free feed rolls.

FEEDING MACHINE: Steady, even feeding will give more capacity in the long run than crowding and overloading. Sufficient power is an important factor in capacity. Do not expect to obtain maximum capacity with limited power.

Adjustments to Machine

ADJUSTING CUTTING WHEEL: This is not necessary unless knives are ground to such an extent that too much angle is obtained when cutting edge is adjusted to shearplate. Back edge of knives should not clear shearplate by more than $\frac{1}{4}$ " to $\frac{1}{8}$ "

when properly adjusted. To adjust main shaft and wheel toward shearplate, first loosen the knife set bolts. Then tighten all knife bolts drawing knife supports against wheel. Next, remove key in bevel gear and move wheel toward shearplate until the outmost knife just clears the jaw and shearplate. Next, properly space by removing liners from inside of end collar on main shaft. Always tighten collar on end of main shaft first. Then key the bevel gear snug against the other side of main bearing, being careful all the while to see that the wheel turns freely.

ADJUSTING KNIVES: When knives are to be resharpened, first, loosen set bolts before removing knife from wheel. When replacing knives, tighten knife bolts with fingers. Then, adjust knives with set bolts so that the cutting edge just clears the jaw and shearplate. Tighten knife bolts with wrench. Tighten set bolts with wrench. Tighten all lock nuts.

Keep knives sharp. Maintain the original bevel of cutting edge for which we recommend the Papec Knife Grinder. Regrind knives each half day of continuous cutting.

PREVENTING TWINE FROM WINDING: Keep small adjustable collar on main shaft tight against center main bearing. On machines equipped with collar having projections, see that projections rest against points of knives. Collar is to prevent winding only. Do not attempt to use it as a thrust collar for flywheel.

FAN CLEARANCE: Replace fan plates when badly worn. Fans should run as close to lower drum at bottom as possible without striking. To adjust lower drum to fans, first, loosen bolts which hold lower casing of cutting wheel in frame. Then adjust lower casing by raising at delivery chute end, by means of the adjusting bolt, until fans strike at bottom, then lower until fans just clear. When installing new fan plates, if lower drum has previously been raised it will be necessary to adjust drum to accommodate new fan plates. Proper adjustment of lower drum to fans is important to prevent pipe clogging.

Suggestions on Hay Chopping

These suggestions are made after interviewing 300 farmers who have had from two to sixteen years' experience with the chopper method of storing hay as it comes from the field. These men are located in 42 different states. They chop from 12 to 1500 tons of hay per year. Their combined experience covers the handling of all kinds of hay for all classes of livestock. Twenty-two leading experiment stations have also contributed their conclusions based on tests conducted during the past five years.

Hay can be chopped with a standard Papec Ensilage Cutter, but the work is done twice as fast and at about half the cost when a Papec Hay Chopper-Silo Filler is used.

CURING: Cure your hay the same as you would cure whole hay to have it come out of storage with good color and no mow-burn. Take no chances with less than usual curing. Uniform curing is important. Take special care with large lots of pure legume or grain hays. Don't chop on excessively muggy days. If weather does not permit thorough curing and fields must be cleared, stack hay whole and chop later. Don't chop from a sweating load or stack. Salting hay, 5 to 10 lbs. per load, is good practice but is not a satisfactory substitute for proper curing. Salt may be applied at the chopper or between loads in the mow or stack.

Poorly-cured hay or hay that is damp from rain or dew is subject to spontaneous combustion, whether stored whole or in chopped form. A fire from any cause in long hay spreads so fast that almost invariably the barn and everything in it is lost. Chopped hay packs so closely that it does not burn readily. If detected in time, a fire in chopped hay can be checked by using chemicals, carbon dioxide or water, and the hay can be removed from the barn. The best plan, of course, is to avoid trouble by seeing to it that no tough or damp hay goes into your barn.

LOADING: Load wagons in even layers from back to front to permit easy unloading from front to back.

UNLOADING: Feed chopper evenly. Don't roll big tough wads of hay on to the feed table. Steady, even feeding puts more hay away in less time. When one man is to feed a one-roll chopper, put an extension on one of the table sides. It should slant upward at about a 45-degree angle. When two men are used to unload, have one on the load and the other on a level platform alongside the feed table. With a 3-man crew, have two on the load and one on the platform.

PIPE SET-UP: Have all elevating pipe absolutely vertical. Avoid upward-sloping pipe. Avoid sharp or reverse curves. Never use the flexible elbow anywhere except as the last section of pipe. Use downward-sloping pipe rather than horizontal pipe—the more downward sloping, the better.

BARN STORAGE: Keep hay level in the mow by changing the angle of the flexible elbow between loads. This can be done from below by using ropes and pulleys. Never tramp or even walk across chopped hay until it is all through sweating. Never pile chopped hay on top of sweating whole hay. It is best to store whole and chopped hay in separate mows.

SUPPORTING MOW: Chopping more than doubles mow capacity. Before filling your mow more than half full of chopped hay, make sure the mow floor will carry the extra weight. Don't guess about this! An over-loaded mow in the middle of haying may cause serious delay and expense. It will cost very little to set in a few extra posts where needed. If your hay is properly cured and kept level in the mow, no extra side-wall support will be needed. Woven wire fencing may be used to support the hay on the open side of the mow.

FEEDING OUT: By removing chopped hay from the open side of the mow, the different kinds of hay stored in one mow mix together as fed out and provide a uniform quality of roughage. Much time can be saved in barn feeding by having hay chutes of ample size and by using a feed cart. A burlap skirt around the bottom of the chutes extending into the feed cart will help prevent dust in the stable. Sprinkling hay with water before distribution to stock may be worth-while, if hay is unusually dusty. Chopped hay is very compact. Be careful at first not to feed more pounds than you mean to.

STACKING: A stack of chopped hay sheds rain and resists weather much better than a stack of whole hay. A neat, trim stack can be built by using snow fencing. When the first ring of fencing is filled and leveled off, a second ring is placed on top of the first. When that is filled, the first ring is removed and placed on top for the third tier. When the third section is filled and rounded off, all fencing is removed and the next stack is built. In windy country, a cap of woven wire fencing is recommended.

CARE OF CHOPPER: Keep knives sharp and set as close to the shearplate as possible. Stones in the hay will dull knives rapidly, but seldom cause breakage unless they are of unusual size or hardness. When the following precautions are taken, hay from the stoniest meadows can be handled successfully by the chopper method.

1. Proper adjustment of side-delivery rake to avoid rolling stones into windrow.
2. Proper adjustment of loader to avoid picking up stones.
3. Watchfulness during loading and unloading.

Never put oil or grease inside the finger feed roll or on the fingers. It will collect dirt and cause trouble. Use water or gasoline to clean and prevent friction. Lubricate all other parts frequently.

Keep all end play out of the main shaft as directed on page 2. Otherwise hay may wind at the center bearing and cause trouble. The anti-wind collar at the hub of the cutting wheel will prevent winding if kept at its original position tight against the center bearing.

OTHER USES OF CHOPPER: Beside storing hay and silage, a Papec Hay Chopper—Silo Filler may be used to cut and store straw as it comes from the thresher. Little or no extra labor is required for this operation. Chopped straw makes much better bedding and is a good poultry litter. Equipped with shredder bars, the chopper will put dry corn fodder in excellent shape for feeding without waste.

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

LENGTHS OF CUT: All machines are set for $\frac{1}{2}$ " cut at the factory. For GEAR ARRANGEMENT and PARTS REQUIRED for REGULAR and SPECIAL LENGTHS OF CUT see table below:

Size or Model	On Bevel Gear Shaft	Gear on Post	Gear on Lower Feed Roll Shaft	Length of Cut Obtained in Inches
R10*	Use			
	710 Small	735	736	$\frac{1}{4}$ "
	710 Large	735	736	$\frac{1}{2}$ "
	710 Small	736	738	$\frac{3}{4}$ "
	710 Large End	736	738	1"
	712	736 Small End Out	738	$2\frac{1}{4}$ "
N or 81 2 Knife	110	135 or 135A	134 or 134A	$\frac{1}{4}$ "
	110	128A	129A	$\frac{3}{8}$ "
	110	136 or 136A	132 or 132A	$\frac{1}{2}$ "
	110	130A	131A	$\frac{3}{4}$ "
	110	137 or 137A	138 or 138A	1"
N or 81 3 Knife	110	135 or 135A	134 or 134A	$1\frac{1}{6}$ "
	110	128A	129A	$\frac{1}{4}$ "
	110	136 or 136A	132 or 132A	$1\frac{1}{3}$ "
	110	130A	131A	$\frac{1}{2}$ "
	110	137 or 137A	138 or 138A	$2\frac{1}{3}$ "
L or 127 2 Knife	110	135	134	$\frac{3}{8}$ "
	110	136	132	$\frac{3}{4}$ "
	110	137	138	$1\frac{1}{2}$ "
L or 127 3 Knife	110	135 or 135A	134 or 134A	$\frac{1}{4}$ "
	110	128A	129A	$\frac{3}{8}$ "
	110	136 or 136A	132 or 132A	$\frac{1}{2}$ "
	110	130A	131A	$\frac{3}{4}$ "
	110	137 or 137A	138 or 138A	1"
K† or 158 3 Knife	610	635 or 635A	634 or 634A	$\frac{1}{4}$ "
	610D§	635B	634A	$\frac{1}{4}$ "
	610D§	618B	619B	$\frac{3}{8}$ "
	610	636 or 636A	632 or 632A	$\frac{1}{2}$ "
	610D§	636B	632A	$\frac{1}{2}$ "
	610D§	630B	631B	$\frac{3}{4}$ "
	610	637 or 637A	638 or 638A	1"
	610D§	637B	638A	1"

It is necessary to use plain or A lettered gears in pairs. 132 will not mesh with 136A—use 132 and 136 or 132A and 136A, etc.

Removing two knives from a three-knife machine increases the length of cut three times. Removing one knife from a two-knife machine doubles the length of cut.

For longer cuts, take off all knives but one and counterbalance with Papec knife weight. Attach knife weight exactly opposite to remaining knife.

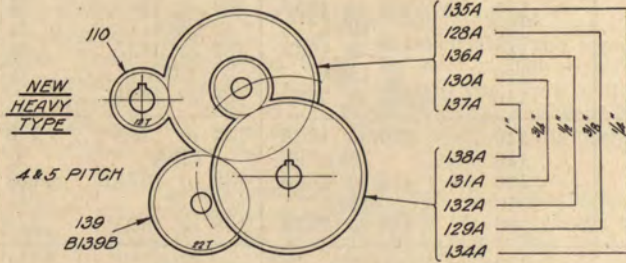
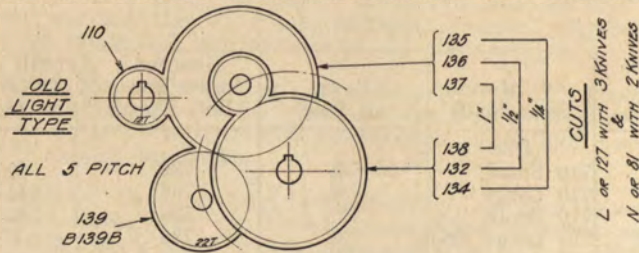
* When reversing 710 gear on $\frac{3}{4}$ " and 1" cuts, change the pin on which 739 revolves to the other hole in gear bracket 782 or 782 A. $2\frac{1}{4}$ " cut requires a 775 quadrant in place of 776 or 776A.

† 610D and 639A required with 635B and 636B.

§ 676B quadrant is required when using 610D gear.

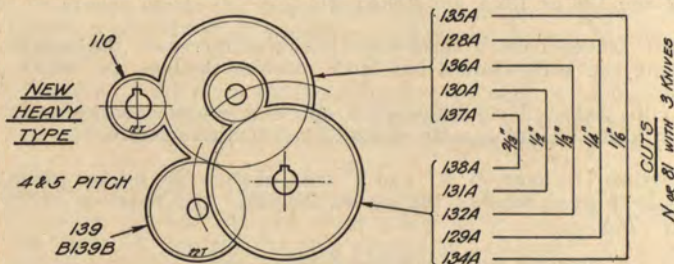
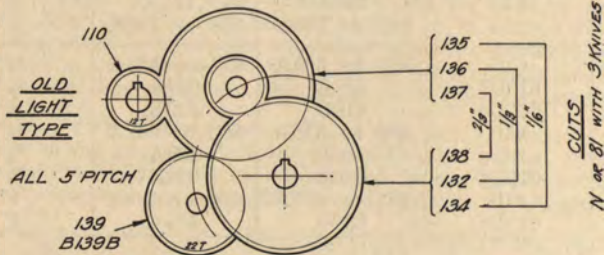
CHANGE GEAR COMBINATIONS

3 KNIFE L or 127 & 2 KNIFE N or 81



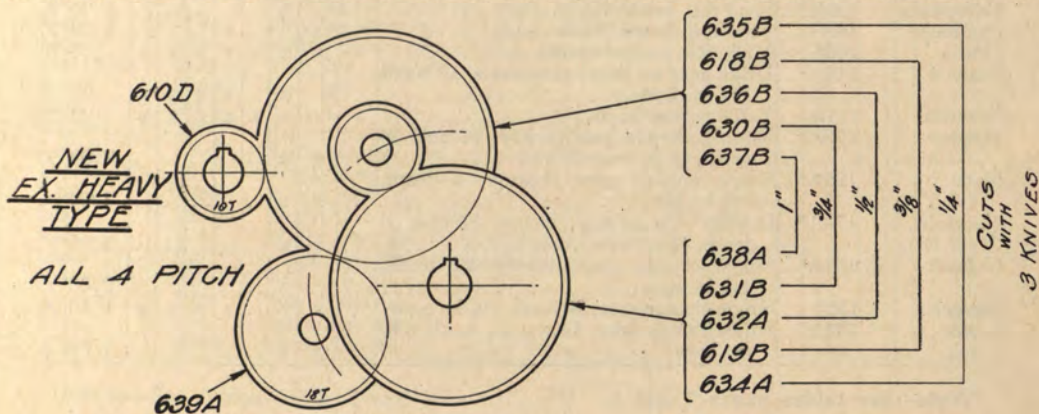
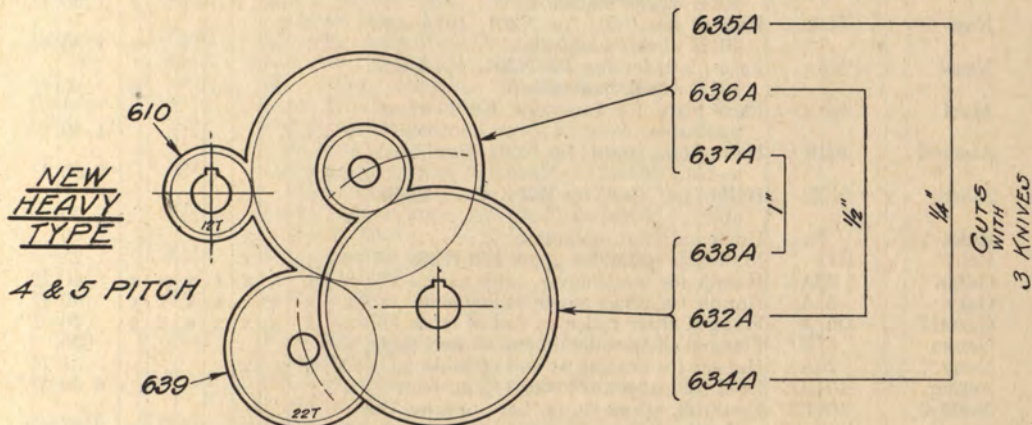
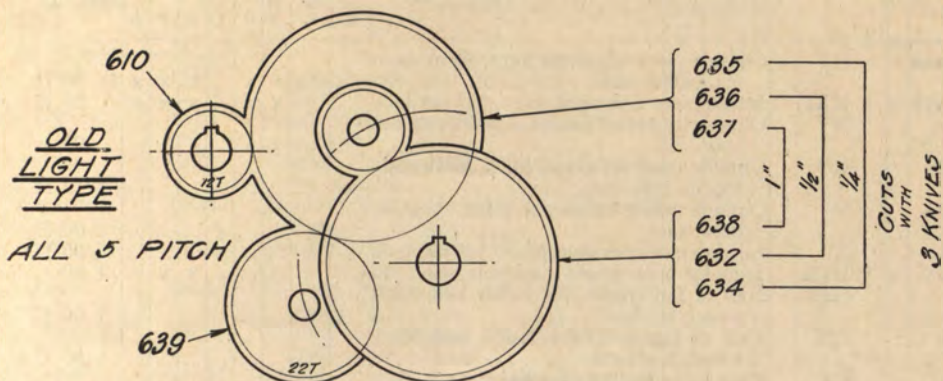
CHANGE GEAR COMBINATIONS

3 KNIFE N or 81



CHANGE GEAR COMBINATIONS

3 Knife 158 Cutter and K Hay Chopper



Castings

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Harpoon	HV	Outside piece universal joint, $\frac{5}{16}$ in. bore malleable, each.....			x	x		x	x	x	\$.90	H
Harpy	HX	Inside piece universal joint, $\frac{5}{16}$ " pin hole.....			x	x		x	x	x	.25	H
Noise	NV	Outside universal joint, malleable, square hole.....			x	x					.90	
Accede	KV	Outside piece universal joint, malleable, $1\frac{1}{16}$ in. hole each.....	x								1.10	H
Debate	V	Outside piece universal joint, $1\frac{3}{16}$ in. bore, each.....		x			x				1.00	H
Debit	X	Inside piece universal joint, $\frac{3}{8}$ " pin hole.....	x	x			x				.25	H
Daisy	DD2	Fans for open wheel malleable, each.....					x	x	x		1.80	C
Daft	L2R	Half of fan (right) for L-501 and 501A wheel, malleable.....		x							1.50	C
Dado	L2L	Half of fan (left) for L-501 and 501A wheel, malleable.....		x							1.50	C
Dally	L2	Face plate for fans for L-501 and 501A wheel, malleable, each.....		x							1.00	C
Nail	N2R	Half of fan (right) for N301, 401A and 401B wheel, malleable.....			x					x	1.30	C
Nap	N2L	Half of fan (left) for N301, 401A and 401B wheel, malleable.....			x					x	1.30	C
Nasal	N2	Face plate for fan for N301, 401A and 401B wheel, malleable.....			x					x	.80	C
Aloof	K2	Face plate for fans, for K601 wheel, malleable.....	x								1.40	C
Almond	K2R	Half of fan, (right) for K601 wheel, malleable.....	x								2.00	C
Alloy	K2L	Half of fan, (left) for K601 wheel, malleable.....	x								2.00	C
Refer	7	Universal joint, complete.....				x					.60	
Relic	R17	Malleable collar for upper roll shaft.....				x					.25	
Gable	60A	Handle for hinge cover, table side.....	x	x	x	x	x	x	x	x	.40	H
Gage	61A	Handle for hinge cover, pulley side.....	x	x	x	x	x	x	x	x	.40	H
Gemel	D67A	Flanged chain roller on end of table.....	x	x	x	x	x	x	x	x	.70	J
Gemin	67B	Flanged chain roller on end of steel table.....	x								.70	
Deny	73A	Hanger for bearing at end of table.....			x	x					.35	H
Acting	104KC	Feed roll, upper or lower $1\frac{1}{16}$ in. bore.....	x								6.00	E
Noddy	104FS	Feed roll, upper $1\frac{1}{16}$ in. bore, or lower on R only.....				x			x	x	3.25	E
Harrow	104HS	Feed roll, upper $1\frac{1}{16}$ in. bore.....		x				x			3.25	E
Drama	104S	Feed roll, upper $1\frac{3}{16}$ in. bore.....		x			x				4.50	E
Farrowing	105FSL	Feed roll, lower, $1\frac{1}{16}$ in. bore.....							x	x	2.75	E
Harrowing	105HSL	Feed roll, lower $1\frac{3}{16}$ in. bore.....			x			x			3.00	E
Dramatic	105S	Feed roll, lower $1\frac{3}{16}$ in. bore.....		x			x				4.50	E
Drip	106S	Malleable socket wrench.....	x	x	x	x	x	x	x	x	.75	H
Gaily	110	Drive gear on bevel gear shaft, 12 teeth $1\frac{1}{16}$ in. bore.....		x	x		x	x	x	x	.90	A
Dreadful	111S	Table rollers, each.....	x	x	x	x	x	x	x	x	.20	A
Napier	128A*	Double change gear, heavy, 12 and 36 teeth, $1\frac{1}{8}$ in. bore.....		x	x						2.00	
Natty	129A*	Single change gear, heavy 26 teeth, $1\frac{1}{8}$ in. bore.....		x	x						2.00	
Nervious	130A*	Double change gear, heavy, 17 and 36 teeth, $1\frac{1}{8}$ in. bore.....			x						2.25	
Nehost	131A*	Single change gear, heavy, 21 teeth, $1\frac{1}{8}$ in. bore.....			x						2.00	
Danger	132*	Single change gear, 30 teeth $1\frac{3}{16}$ in. bore.....		x	x		x	x	x	x	1.50	A
Lower	132A*	Single change gear, heavy 24 teeth, $1\frac{3}{16}$ in. bore.....		x	x						1.60	A

*Note—See tables pages 7 and 8.

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Castings, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Dank	134*	Single change gear, 34 teeth, $1\frac{3}{16}$ in. bore.		x	x		x	x	x	x	\$1.60	A
Lovely	134A*	Single change gear, heavy 28 teeth, $1\frac{3}{16}$ in. bore.		x	x						2.00	A
Gain	135*	Double change gear, 14 and 36 teeth, $1\frac{3}{16}$ in. bore.		x	x		x	x	x	x	1.80	A
Lounge	135A*	Double change gear, heavy 10 and 36 teeth, $1\frac{3}{16}$ in. bore.		x	x						2.00	A
Gait	136*	Double change gear, 18 and 36 teeth, $1\frac{3}{16}$ in. bore.		x	x		x	x	x	x	2.00	A
Loyal	136A*	Double change gear, heavy 14 and 36 teeth, $1\frac{3}{16}$ in. bore.		x	x						2.25	A
Gala	137*	Double change gear, 24 and 36 teeth, $1\frac{3}{16}$ in. bore.		x	x		x	x	x	x	2.50	A
Lucid	137A*	Double change gear, heavy 19 and 36 teeth, $1\frac{3}{16}$ in. bore.		x	x		x	x	x	x	2.50	A
Dare	138*	Single change gear, 24 teeth, $1\frac{3}{16}$ in. bore.		x	x		x	x	x	x	1.35	A
Lucky	138A*	Single change gear, heavy 19 teeth, $1\frac{3}{16}$ in. bore.		x	x						1.40	A
Baghas	B139B	Idle gear, malleable, 22 teeth, $1\frac{3}{16}$ " bore.		x			x				1.20	
Drone	141A	Idle gear, 15 teeth, $1\frac{3}{16}$ in. bore.		x	x		x	x	x	x	.80	A
Glad	160A	Pipe collar, malleable, full ring for bolts		x	x	x					1.25	F
Balance	B181	Latch handle for reverse lever.	x	x	x	x	x	x	x	x	.20	H
Dig	190	Drive gear on sprocket shaft, 21 teeth, 1 in. bore.		x			x				1.40	
Dice	192	Drive gear on lower roll shaft, 16 teeth, $1\frac{3}{16}$ in. bore.		x	x		x	x	x	x	.90	A
Darn	202	Drive gear on upper roll shaft, 21 teeth, $1\frac{3}{16}$ in. bore.		x			x				1.80	A
Lack	202A	Drive gear on upper roll shaft, 23 teeth, $1\frac{3}{16}$ in. bore.		x							2.25	
Dared	203	Drive gear on lower roll shaft, 21 teeth, $1\frac{3}{16}$ in. bore.		x			x				1.80	A
Lichen	203A	Wide face drive gear on lower roll shaft, 21 teeth, $1\frac{3}{16}$ in. bore.		x							2.00	
Licor	203B	Drive gear on lower roll shaft, 22 teeth, $1\frac{3}{16}$ in. bore.		x							2.10	
Darted	D203	Drive gear on lower roll shaft, 21 teeth, $1\frac{3}{16}$ in. bore obsolete.					x				1.40	
Dash	204	Drive sprocket for chain belt, 12 teeth, 1 in. bore.	x	x			x				1.20	A
Daub	214	Bearing for upper roll shaft, malleable.		x			x				1.10	C
Liege	214A	Bearing for upper roll shaft, malleable.		x							1.25	C
Liquid	218	Safety device trip casting, complete	x	x	x						.90	
Daylight	220	Left jaw, obsolete.					x				5.00	
Lease	220A	Left jaw.		x							5.00	
Lick	220B	Left jaw.		x							5.00	G
Leatis	220C	Left jaw, for wood or steel table.		x							5.00	G
Leaxin	220D	Left jaw, for steel table, obsolete.		x							5.00	
Davy	221	Right jaw, obsolete.					x				5.00	
Leech	221A	Right jaw.		x							5.00	
Light	221B	Right jaw.		x							5.00	G
Ligure	221C	Right jaw, for wood or steel table.		x							5.00	G
Lilac	221D	Right jaw, for steel table, obsolete.		x							5.00	
Disk	222	Left jaw.		x			x				5.00	D
Discard	223	Right jaw.		x			x				5.00	D
Lieu	224	Head for 3rd roll.	x	x							1.50	
Artist	224A	Head for 3rd roll, drilled hub.	x	x							1.50	

*Note—See tables pages 7 and 8.

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Castings, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Lift	225A	Head for 3rd roll	x	x	.	.	.	.	.	.	\$1.50	
Ascend	225B	Head for 3rd roll, slotted hub	x	x	.	.	.	.	.	.	1.50	
Likely	227	Spacing collar on upper roll shaft	.	x	.	.	.	.	.	.	.25	
Lull	228A	Malleable link to support 3rd roll, 9 $\frac{3}{8}$ " centers, used with 50H plain chain only	.	x	.	.	.	.	.	.	1.40	G
Lullied	228B	Malleable link to support 3rd roll, 9 $\frac{1}{4}$ " centers, used with roller chain only	.	.	.	.	.	.	.	.	1.40	D
Limpsy	229A	Malleable link to support 3rd roll (right)	.	x	.	.	.	.	.	.	1.25	
Limp	231	Sprocket on 3rd roll, 9 teeth, 1" bore	x	x	.	.	.	.	.	.	1.10	G
Limpano	231A	Cut sprocket on 3rd roll, 34 teeth, 1" bore	x	x	.	.	.	.	.	.	1.80	
Linden	232	Sprocket on upper feed roll shaft, 8 teeth	x	x	.	.	.	.	.	.	.70	G
Bilious	232A	Cut sprocket 15 teeth, 1 $\frac{1}{8}$ " bore	x	x	.	.	.	.	.	.	1.25	
Bingen	234	Cut sprocket on sprocket shaft, 20 teeth	.	x	.	.	.	.	.	.	1.75	
Deadly	240	Bevel gear cover	.	x	.	.	x	.	.	.	1.40	D
Dean	241	Small bevel gear, 18 teeth, 2 in. bore	.	x	.	.	x	.	.	.	1.60	A
Debar	242	Large bevel gear, 36 teeth, 1 $\frac{3}{16}$ in. bore	x	x	.	.	x	.	.	.	1.75	A
Legume	254B	End bearing on table, replaces DA254	.	x	.	.	x	.	.	.	1.40	E
Lehman	254C	End bearing on steel table	.	x	.	.	.	.	.	.	1.40	E
Decade	DA270	Main frame babbitted complete, with caps, obsolete	.	.	.	.	x	.	.	.	37.50	D
Lizard	270A	Main frame babbitted complete with caps (interchanges with frames D270, D270S and 570)	.	x	.	.	.	.	.	.	37.50	D
Decay	271	Cap for main shaft bearing, pulley end	.	x	.	.	x	.	.	.	2.00	D
Decent	272	Cap for main shaft bearing, table end	.	x	.	.	x	.	.	.	1.75	D
Declare	273	Cap for main shaft bearing, center	.	x	.	.	x	.	.	.	1.75	D
Decolor	274	Cap for bevel gear shaft bearings, each	.	x	.	.	x	.	.	.	1.40	D
Decorate	DA274	Cap for bevel gear shaft bearing, bab- bitted, obsolete	.	.	.	.	x	.	.	.	1.40	
Deacon	275	Quadrant for long cuts	.	x	.	.	.	.	.	.	1.50	C
Lemon	276A	Quadrant, replaces 276	.	x	.	.	.	.	.	.	1.75	C
Lemnos	276B	Quadrant, for use with 202A and 203B	.	x	.	.	.	.	.	.	2.10	C
Decree	277	Swivel bearing	.	x	.	.	x	.	.	.	.50	C
Decurt	278D	Center bracket for sprocket and roll shafts, malleable	.	x	.	.	x	.	.	.	2.25	C
Deed	D279	End bracket, malleable with pin and washer	.	x	.	.	x	.	.	.	4.00	C
Deedey	279A	End bracket for chain drive	.	x	.	.	.	.	.	.	2.75	
Dutch	280B	Reverse lever, malleable lever only	x	x	x	x	x	x	x	x	1.25	H
Dusty	280B	Reverse lever, malleable complete with grip, rod, spring and latch	x	x	x	x	x	x	x	x	2.25	
Leper	282A	Change gear bracket with pins (inter- changes with 282)	.	x	.	.	x	.	.	.	4.20	C
Doctor	D283	Shearplate and bolts	.	x	.	.	x	.	.	.	1.40	E
Deer	284	Leg, 2 $\frac{1}{4}$ ", long, for machine on legs	.	x	.	.	x	.	.	.	3.00	E
Deface	285	Collar for end of main shaft, 2 in. hole	.	x	.	.	x	.	.	.	.90	H
Defacto	286	Collar for upper roll shaft, 1 $\frac{3}{16}$ in. hole	.	x	.	.	.	.	.	.	.25	H
Defame	286S	Collar for sprocket shaft, 1 in. hole	x	x	.	.	x	.	.	.	.25	H
Lirip	287B	Roll cover for No. 127	.	x	.	.	.	.	.	.	5.00	G
Dale	287D	Roll cover for D	.	.	.	.	x	.	.	.	5.00	D
Nadir	N300	Hub collar for N301 wheel	.	.	x	.	.	.	.	.	1.25	C
Hab	N301	2 knife wheel complete with shaft, hub collar, knife bolts and supports for two knives, no knives	.	.	x	.	.	.	.	x	55.00	E
Hag	303	Large tooth gear, 1 $\frac{5}{16}$ in. bore, 15 teeth	.	.	x	.	.	x	x	x	.90	A
Hagar	304	Large tooth gear, 1 $\frac{5}{16}$ in. bore, 15 teeth	.	.	x	.	.	x	x	x	.90	A
Halberd	305	Sprocket shaft bearing, 1 $\frac{5}{16}$ in. bore, malleable	.	.	x	x	.	x	x	x	.90	H
Half	H340	Bevel gear cover	.	.	x	.	.	x	x	x	1.10	D
Haliday	H341	Large bevel gear, 1 $\frac{5}{16}$ in. bore, 28 teeth	.	.	x	.	.	x	x	x	1.75	

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Castings, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Halidom	H342	Small bevel gear, 1½ in. bore, 14 teeth, malleable										
Halux	354	Bearing on end of steel table			x			x	x	x	\$1.25	A
Fable	F354	Bearing on end of table			x						1.25	
Halo	H354	Bearing on end of table				x			x	x	1.10	E
Fabric	FA370	Main frame babbitted, complete with caps			x			x			1.25	E
Halloo	H371	Cap for main shaft bearing, pulley end						x	x	x	30.00	D
Hame	372	Cap for main shaft bearing, center			x			x	x	x	1.75	D
Newel	372A	Cap for main shaft bearing (replaces 372, 1½ in. shorter)			x			x	x	x	1.90	D
Hamate	373	Cap for main shaft bearing, table end			x			x	x	x	1.60	D
Hamite	374	Caps for bevel gear shaft bearings, each			x			x	x	x	1.50	D
Napery	381	Link over change gears		x	x						.75	
Nerve	382A	Change gear bracket with pins, interchanges with 382										
Hammock	F383	Shear plate and bolts for F and O			x			x	x	x	4.00	C
Neuter	400	Hub collar, 3 points			x				x	x	1.00	E
Nutrify	400A	Hub collar for 401B wheels, 6 points			x						.75	
Nursery	401B	3 knife cutting wheel complete with shaft, hub collar, knife bolts and supports for three knives, no knives			x						.75	G
Handle	H404	Sprocket, 1½ in. bore, 7 teeth			x						57.00	E
Halen	405	Support for knives, for N301, and 401B wheels, malleable			x	x		x	x	x	.65	A
Halevy	405E	Support for knives, malleable			x					x	.90	H
Hafin	405F	Support for knives			x						.90	H
Hank	414	Bearing for upper roll shaft, 1½ in. bore, malleable			x							
Niobe	414A	Bearing for upper roll shaft 1½ in. bore, malleable			x	x		x	x	x	.90	C
Nipa	414B	Bearing for upper roll shaft 1½ in. bore, malleable									1.00	C
Hanker	420	Left jaw			x	x					1.10	C
Nector	420A	Left jaw			x			x	x	x	2.75	D
Nipple	420B	Left jaw			x						3.50	
Hankle	421	Right jaw			x						3.50	G
Neddy	421A	Right jaw			x			x	x	x	2.75	D
Niter	421B	Right jaw			x						3.50	
Nicke	424	Head for 3rd roll			x						3.50	G
Nautical	424A	Head for 3rd roll (drilled hub)			x	x					1.25	
Nicolo	425	Head for 3rd roll			x	x					1.40	
Naval	425A	Head for 3rd roll (slotted hub)			x	x					1.25	
Navigate	428A	Malleable link to support 3rd roll (left)			x	x					1.40	
Nebulous	429A	Malleable link to support 3rd roll (right)			x	x					1.15	G
Nimbus	431	Sprocket on 3rd roll, 11 teeth			x	x					1.15	G
Nimrod	431B	Cut sprocket on 3rd roll, 21 teeth			x						1.00	G
Ninety	432	Sprocket on upper feed roll shaft, 6 teeth			x						1.75	
Ninver	432A	Cut sprocket on upper feed roll shaft, 11 teeth			x	x					.65	G
Ninvout	432B	Cut sprocket on upper feed roll shaft, 11 teeth									1.35	
Nimes	435	Cut sprocket on sprocket shaft, 15 teeth			x						1.35	
Nimty	437	Cut sprocket on lower feed roll shaft, 13 teeth, sprocket shaft drive			x						1.35	
Haplite	439A	Idle gear on bracket, malleable, 18 teeth, 1½ in. bore, replaces 439 cast										
Haply	440	Sprocket shaft gear, 18 teeth, 1½ in. bore			x			x	x	x	1.15	
Noblesee	470B	Main frame babbitted, complete with caps (interchanges with 470 and 470A)			x			x			.90	
Harvest	475	Quadrant for long cuts			x			x	x	x	33.20	
Newest	476B	Quadrant, replaces 476 and 476A			x						1.25	C
Harangue	477	Swivel bearing 1½ in. bore			x			x	x	x	1.35	
					x			x	x	x	1.80	C

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Castings, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Negus	478A	Roll shaft bearing (center), replaces 478			x			x	x	x	\$.90	H
Hardy	479	End bracket, malleable, pin and washer			x			x	x	x	3.25	C
Neglect	N479	Gear case for No. 479 end bracket			x			x	x	x	1.60	C
Naked	479A	End bracket, malleable, with pin & washer			x				x	x	3.25	C
Narcotic	N479A	Gear case for No. 479A end bracket			x						1.75	C
Nakich	479B	End bracket, malleable			x						3.00	
Najots	481	Gear case with cover			x						1.50	
Harmless	H483	Shear plate and bolts			x			x			1.20	E
Nudge	487A	Roll cover, with 3rd roll			x						5.00	G
Harper	488	1½ in. collar with one ½ in. set screw, pulley side				x						
Harpist	489	1½ in. collar with two ¾ in. set screws, obsolete				x			x	x	.65	
Lebis	501A	3 knife wheel complete with shaft, hub collar, knife bolts and knife supports for three knives, no knives		x					x	x	.65	
Naive	L503	Hub collar for L502, 2-knife wheel only		x							70.00	E
Napkin	L504	Hub collar for L501, 3-knife wheel only		x							.90	C
Lisbon	505C	Support for No. 127 knives, malleable		x							.90	C
Dalen	505L	Knife support for L501 and 501A wheel, malleable		x							1.25	H
Leak	L506	Hub collar for 501A wheel, fits L501, L502		x							1.25	H
Leater	L506A	Collar for any number of knives		x							1.25	G
Abound	541	Small bevel gear, 2¼ in. bore, 18 teeth	x								1.25	
Dance	579	Gear case for D279 end bracket		x							1.75	J
Bienne	581	Gear case and cover		x							1.75	C
Affix	582	Link for change gears	x								2.00	
Gallop	591	Malleable socket wrench for knives	x	x	x	x					.90	J
Alibi	600	Hub collar for No. K601 wheel	x								.75	C
Alps	K601	3-knife wheel complete with shaft, hub collar, knife bolts, and supports for 3 knives, no knives replaces 601	x								1.25	J
Abject	602	Drive gear on upper roll shaft, 21 teeth, 1⅝ in. bore	x								94.00	E
Ablaze	603	Drive gear on lower roll shaft, 21 teeth, 1⅝ in. bore	x								2.25	J
Academy	605	Support for straight knives, malleable	x								2.25	J
Acadia	605B	Support for No. 158 knives, malleable	x								1.50	H
Amber	610	Drive pinion on bevel gear shaft, 12 teeth, 1⅝ in. bore	x								1.50	H
Ambest	610D	Drive pinion on bevel gear shaft, 10 teeth, 4 pitch maag, 1⅜ in. bore	x								1.15	J
Arena	614A	Bearing for upper roll shaft, 1⅝ in. bore, malleable	x								1.50	
Aspect	614B	Bearing for upper roll shaft, 1⅝ in. bore, malleable	x								1.50	C
Apostle	616	Iron leg	x								1.50	C
Aleron	618B*	Double change gear, heavy, 12 and 28 teeth, 1⅜" bore	x								2.75	F
Aliffs	619B*	Single change gear, heavy, 26 teeth, 1⅜" bore	x								4.25	
Aboard	620	Left jaw	x								2.60	
Aspire	620A	Left jaw	x								6.00	D
Asarum	620B	Left jaw	x								6.00	G
Abode	621	Right jaw	x								6.00	G
Assay	621A	Right jaw	x								6.00	D
Asgard	621B	Right jaw	x								6.00	G
Accred	628A	Malleable link to support 3rd roll (left)	x								6.00	G
Accidit	628B	Malleable link to support 3rd roll (left)	x								1.75	G
Accrete	629C	Malleable link to support 3rd roll (right)	x								1.75	G

*Note—See tables pages 7 and 9.

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Castings, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Aerivon	630B*	Double change gear, heavy, 17 and 28 teeth, 4 pitch maag, $\frac{1}{16}$ in. bore, bronze bushed.....	x								\$4.25	
Aeroist	631B*	Single change gear, heavy, 21 teeth, 4 pitch maag, $1\frac{1}{16}$ in. bore.....	x								2.60	J
Amble	632*	Single change gear, 30 teeth, $1\frac{1}{16}$ bore	x								2.25	
Ascus	632A*	Single change gear, heavy, 24 teeth, $1\frac{1}{16}$ in. bore.....	x								2.40	J
Abate	634*	Single change gear, 34 teeth, $1\frac{1}{16}$ bore	x								2.65	J
Ashoris	634A*	Single change gear, heavy, 28 teeth, $1\frac{1}{16}$ in. bore.....	x								2.75	J
Ambush	635*	Double change gear, 14 and 36 teeth, $1\frac{1}{16}$ in. bore.....	x								2.75	J
Askant	635A*	Double change gear, heavy, 10 and 36 teeth, $1\frac{1}{16}$ in. bore.....	x								3.00	J
Askity	635B*	Double change gear, heavy, 10 and 28 teeth, 4 pitch maag, $\frac{1}{16}$ in. bore, bronze bushed.....	x								3.50	
Amiss	636*	Double change gear, 18 and 36 teeth, $1\frac{1}{16}$ in. bore.....	x								2.85	J
Argol	636A*	Double change gear, heavy, 14 and 36 teeth, $1\frac{1}{16}$ in. bore.....	x								3.25	J
Argoma	636B*	Double change gear, heavy, 14 and 28 teeth, 4 pitch maag, $\frac{1}{16}$ in. bore, bronze bushed.....	x								4.00	
Anchor	637*	Double change gear, 24 and 36 teeth, $1\frac{1}{16}$ in bore.....	x								3.25	J
Arise	637A*	Double hange gear, heavy, 19 and 36 teeth, $1\frac{1}{16}$ in. bore.....	x								3.50	J
Arison	637B*	Double change gear, heavy, 19 and 28 teeth, 4 pitch maag, $\frac{1}{16}$ in. bore, bronze bushed.....	x								4.50	
Ancient	638*	Single change gear, 24 teeth, $1\frac{1}{16}$ in. bore	x								2.00	J
Armada	638A*	Single change gear, 19 teeth, $1\frac{1}{16}$ in. bore	x								2.25	J
Abbey	639	Idle gear, 22 teeth, $1\frac{1}{16}$ in. bore.....	x								1.60	J
Abbits	639A	Idle gear, heavy, 18 teeth, 4 pitch maag, $\frac{1}{16}$ in. bore, bronze bushed.....	x								2.50	
Annoy	640	Bevel gear cover.....	x								1.40	D
Abbot	641	Idle gear, 15 teeth, $1\frac{1}{16}$ in. bore.....	x								1.15	J
Arouse	641A	Idle gear, 18 teeth, $1\frac{1}{16}$ in. bore.....	x								1.40	J
Abridge	654	End bearing on table.....	x								1.75	E
Abat	654A	End bearing on steel table.....	x								2.00	
Animal	660A	Pipe collar, malleable, with full ring for bolts.....	x								1.80	F
Acumen	664	Support for sprocket shaft, frame end..	x								.40	J
Arrest	664A	Support for sprocket shaft, frame end..	x								.40	J
Actuary	665	Support for sprocket shaft, shaft end..	x								.45	J
Arrow	665A	Support for sprocket shaft, shaft end..	x								.45	J
Actress	666	Casting for chain tightener bar.....	x								.45	
Admire	667	Table rollers, center, each.....	x								1.00	J
Actual	668	Chain tighteners, each.....	x								.50	
Assign	669	Equalizer for chain tightener.....	x								2.75	
Arctic	K670	Main frame, babbitted, complete with caps. replaces 670.....	x								67.50	D
Abrupt	671	Cap for main shaft bearing, pulley end..	x								2.50	D
Abscess	672	Cap for main shaft bearing, center.....	x								2.50	D
Archive	672A	Cap for main shaft, center.....	x								2.50	D
Amaze	K673	Hanger for bearing at end of table.....	x								.40	H
Alley	673	Cap for main shaft bearing, table end..	x								2.50	D
Absent	674	Cap for bevel gear shaft bearing.....	x								2.00	D
Absence	675	Cap for bevel gear shaft bearing(outer end)	x								2.00	
Abner	676A	Quadrant replaces 676.....	x								2.25	C

*Note—See tables pages 7 and 9.

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Castings, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Absorb	677	Swivel bearing, 1 $\frac{1}{16}$ in. bore	x								\$.75	
Abstain	678	Center bracket for sprocket and roll shafts, malleable	x								2.75	
Army	678A	Center bracket for sprocket and roll shafts, malleable	x								2.75	
Abstract	679	End bracket, malleable, with pin	x								4.00	C
Agate	K679	Gear case for No. 679 end bracket	x								3.25	C
Ascribe	679A	End bracket, malleable, with pin	x								4.25	C
Artful	K679A	Gear case for No. 679A end bracket	x								3.25	
Biometry	681	Gear case and cover	x								2.25	
Ardent	682A	Change gear bracket with pins, replaces 682	x								5.00	C
Abuse	683	Shear plate and bolts	x								1.50	E
Abusive	685	Collar for end of main shaft, 2 $\frac{1}{4}$ in. hole	x								.90	H
Abutt	687B	Roll cover, with third roll or finger feed	x								10.00	G
Abhor	690	Drive gear on sprocket shaft, 21 teeth 1 in. bore	x								1.80	J
Abide	692	Drive gear on lower roll shaft, 16 teeth 1 $\frac{1}{16}$ in. bore	x								1.10	J
Biostatic	693	Cut sprocket on sprocket shaft, 19 teeth	x								1.75	
Bipolish	694	Cut sprocket on lower feed roll shaft, 15 teeth	x								1.40	
Redhead	700A	Hub collar for knife wheel				x					.75	G
Robin	701A	2-knife wheel complete with shaft, hub collar, knife bolts, and supports for two knives, no knives, replaces 701 and R701				x					42.00	
Reap	702	Face plates for fans, malleable				x					.75	G
Rebound	R702	Fan for knife wheel, malleable				x					1.75	G
Recess	703	Large tooth gear, 1 $\frac{1}{16}$ in. bore, 16 teeth				x					.90	A
Rector	704	Support for knives, malleable				x					1.15	F
Radish	705	Weight for wheel when but one knife is used				x					1.50	
Recant	708	Drive sprocket on lower roll shaft, 7 teeth, 1 $\frac{1}{16}$ in. bore				x					.70	
Redress	709	Driven sprocket on sprocket shaft, 7 teeth, 1 $\frac{1}{16}$ in. bore				x					.70	
Reason	710	Double change gear on bevel gear shaft 12-20 teeth, 1 $\frac{1}{16}$ in. bore				x					1.25	A
Ripsack	712	Change gear for long cuts, 36 teeth, 1 $\frac{1}{16}$ bore				x					1.50	
Ripple	713	Half housing for 710 gear				x					.50	
Riprap	714	Half housing for 710 gear				x					.50	
Redden	720A	Left jaw				x					2.75	D
Roman	720B	Left jaw				x					3.50	D
Redan	721A	Right jaw				x					2.75	D
Rope	721B	Right jaw				x					3.50	G
Rebel	735	Double change gear, 12 and 36 teeth, 1 $\frac{1}{16}$ in. bore				x					1.50	A
Rebuff	736	Double change gear, 21 and 36 teeth, 1 $\frac{1}{16}$ in. bore				x					1.75	A
Rebuke	738	Single change gear, 27 teeth, 1 $\frac{1}{16}$ in. bore				x					.90	A
Redgum	739	Idle gear on No. 782 bracket, 18 teeth, 1 $\frac{1}{16}$ in. bore				x					.75	
Reckon	741	Large bevel gear, 1 $\frac{1}{16}$ in. bore, 36 teeth				x					1.25	A
Reclaim	742	Small bevel gear, 15 teeth, 1 $\frac{1}{2}$ in. bore, malleable				x					1.25	A
Raboat	754	Chain tightener for steel table				x					1.25	
Rubyat	769A	Hinge casting for No. 777 swivel bearing				x					.40	H
Farrow	770A	Main frame, complete with caps, replaces 770				x					27.50	D
Ruby	771A	Cap for main shaft bearing, pulley end, on 770A frame				x					1.60	
Rude	772A	Cap for main shaft bearing, center, on 770A frame				x					1.60	

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Castings, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Rudder	773A	Cap for main shaft bearing, table end, on 770A frame.....				x					\$1.50	
Recoup	774	Cap for bevel gear shaft bearings, each.....				x					1.50	D
Rialto	775	Quadrant for use with No. 712 gear for 1¾ and 3½ in. cut.....									1.00	C
Rigger	776A	Quadrant, replaces 776.....				x					1.00	C
Redsea	777B	Swivel bearing, 1½ in. bore, malleable.....				x					1.20	
Rhyme	779	Roll shaft bearing, center.....				x					.60	
Rink	782A	Change gear bracket with pins, replaces 782.....				x					4.00	C
Recruit	783	Steel shear plate and bolts.....				x					2.80	C
Redwing	785	Collar at end of main shaft, 1½ in. hole.....			x	x					.50	H
Rioter	787A	Roll cover, replaces 787.....				x					4.50	D
Round	787B	Roll cover.....				x					4.50	G

Steel Parts

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Accloy	54K	6 foot length of steel pipe with collars.....	x								\$6.00	
Accord	55K	3 foot length of steel pipe with collars.....	x								4.25	
Accost	56K	2 foot length of steel pipe with collars.....	x								3.90	
Accoy	57K	1 foot length of steel pipe with collars.....	x								3.40	
Gaol	54P	6 foot length of steel pipe with collars.....		x	x	x	x	x	x	x	4.00	
Garbage	55P	3 foot length of steel pipe with collars.....		x	x	x	x	x	x	x	3.00	
Gardner	56P	2 foot length of steel pipe with collars.....		x	x	x	x	x	x	x	2.50	
Garment	57P	1 foot length of steel pipe with collars.....		x	x	x	x	x	x	x	2.00	
Aural	59	Hinge for hinge cover.....	x	x	x	x	x	x	x	x	1.10	
Gash	D62	Steel bearing for table roll.....	x	x	x	x	x	x	x	x	.10	H
Accumb	83K	Steel elbow for top of pipe, 44 in. reach.....	x								8.00	
Glee	83P	Steel elbow for top of pipe, regular 35 in. reach.....		x	x	x	x	x	x	x	6.50	
Askine	83KA	Hinged elbow, otherwise same as 83K.....	x								10.00	
Gleat	83PA	Hinged elbow, otherwise same as 83P.....		x	x	x	x	x	x	x	9.00	
Ashore	84K	Steel elbow for top of pipe, 52" reach.....	x								9.50	
Locris	84P	Steel elbow for top of pipe, 45" reach.....		x	x	x	x	x	x	x	8.75	
Glue	84PA	Steel elbow for top of pipe, 67" reach.....		x	x	x	x	x	x	x	12.00	
Kite	85K	Steel curved pipe, per length.....	x								5.25	F
Gloss	85P	Steel curved pipe, per length.....		x	x	x	x	x	x	x	3.80	F
Hauberk	115HS	Change gear cover.....			x			x	x	x	1.15	D
Adhere	115K	Change gear cover.....	x								1.60	D
Regard	115R	Change gear cover.....				x					1.15	D
Grade	115S	Change gear cover.....		x			x				1.15	D
Default	116D	Steel casing, lower drum.....		x			x				14.00	D
Haul	116H	Steel casing, lower drum.....			x			x	x	x	12.00	D
Anoint	116K	Steel casing, lower drum.....	x								20.00	D
Regatta	116R	Steel casing, lower drum.....				x					10.00	D
Defense	117D	Steel casing, delivery chute.....		x			x				8.50	D
Have	117H	Steel casing, delivery chute.....			x			x	x	x	7.50	D
Anvil	117K	Steel casing, delivery chute.....	x								12.00	D
Regent	117R	Steel casing, delivery chute.....				x					6.50	D
Defeat	118D	Steel casing, hinged cover.....		x			x				10.00	D
Faunt	118F	Steel casing, hinged cover.....						x	x		8.50	D
Haunt	118H	Steel casing, hinged cover.....			x						9.00	D
Adjourn	118K	Steel casing, hinged cover.....	x								11.00	D
Region	118R	Steel casing, hinged cover.....				x					8.00	D
Adjust	119K	Connecting pipe with collar (obsolete).....	x								2.50	D
Lyrist	119KA	Tilting connection with collars.....	x								3.00	D

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Steel Parts, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Grab	119P	Connecting pipe with collar (obsolete)...	...	x	x	x	x	x	x	x	\$2.25	D
Axilla	119PA	Tilting connection with collars.....	...	x	x	x	...	...	...	...	2.75	D
Hay	121HS	Delivery chute angle.....	...	...	x	...	...	x	x	x	1.50	D
Arid	121K	Delivery chute angle.....	x	...	...	...	...	...	...	...	2.00	D
Register	121R	Delivery chute angle.....	...	...	x	...	...	...	...	...	1.25	D
Drab	121S	Delivery chute angle.....	...	x	...	...	x	...	...	...	1.75	D
Lock	126K	Sprocket gear cover on third roll, 2 pcs.	x	x	...	...	...	...	...	...	2.25	
Lockite	126KL	Sprocket gear cover on third roll, 2 pcs.	x	x	...	...	...	...	...	...	2.25	
Nivid	126N	Sprocket gear cover on third roll.....	...	...	x	x	...	...	...	...	1.75	
Lindley	146	Guard for pulley hub.....	x	x	x	x	x	x	x	x	.50	
Den	160	Pipe collar (steel).....	...	x	x	x	x	x	x	x	.80	F
Advance	185K	Gear cover support.....	x	...	...	...	x	x	x	x	.50	H
Ascent	185KA	Gear cover support for use with safety device only.....	x	...	...	...	...	...	...	...	.60	
Regulate	185R	Gear cover support, also for use with safety device.....	...	...	...	x	...	...	...	...	.50	H
Droop	185S	Gear cover support.....	...	x	x	...	x	x	x	x	.50	H
Dross	185SA	Gear cover support bent for use with safety device only.....	...	x	x	...	x	...	...	...	.50	
Advent	186K	Gear cover hinge.....	x	...	...	...	...	...	...	...	.40	H
Aseptic	186KA	Gear cover hinge for use with safety device only.....	x	...	...	...	...	...	...	...	.40	
Regulus	186R	Gear cover hinge.....	...	...	...	x	...	...	...	...	.40	H
Driver	186S	Gear cover hinge.....	...	x	x	...	x	x	x	x	.40	H
Droit	186SA	Gear cover hinge for use with safety device only.....	...	x	x	...	x	x	x	x	.45	
Affright	195K	Sheet iron guard over gear on upper roll shaft.....	x	...	...	...	...	...	...	...	1.00	
Doxy	195L	Sheet iron guard over gear on upper roll shaft.....	...	x	...	...	...	...	...	...	1.00	
Affuse	196K	Sheet iron guard under bevel gear.....	x	...	...	...	...	...	...	...	.40	
Doxology	196L	Sheet iron guard under bevel gear.....	...	...	x	...	...	...	...	...	.40	
Nado	196N	Sheet iron guard under bevel gear.....	...	...	x	...	...	...	...	...	.75	
Dusk	213H	Hopper for distributor (see price card)	x	x	x	x	x	x	x	x		
Durn	213P	Distributor, straight lengths, each (see accessories price card).....	x	x	x	x	x	x	x	x		
Desert	225	Double end wrench, $\frac{3}{8}$ and $\frac{1}{2}$ in. openings.....	x	x	x	x	...	...	...	...	.30	H
Devise	243	Double end wrench, $\frac{9}{16}$ and $\frac{5}{8}$ in. openings.....	x	x	x	x	x	x	x	x	.35	H
Design	267	Double end wrench, $\frac{3}{4}$ and $\frac{7}{8}$ in. openings.....	x	x	x	x	x	x	x	x	.45	H
Active	293	Double-end wrench for knives.....	x	...	...	...	...	...	...	...	.50	H
Netles	427	Pipe spacer for upper roll shaft, $1\frac{1}{8}$ in. long, 1 in. pipe.....	...	...	x	...	...	...	...	...	.25	
Harier	484	Leg for machine.....	...	...	x	x	...	...	...	...	1.50	E
Gale	590	Single end wrench for straight knives...	x	x	x	...	...	...	...	...	.50	H
Artist	660	Pipe collar (steel).....	x	...	...	...	...	...	...	...	1.50	F
Recite	740	Bevel gear cover.....	...	...	...	x	...	...	...	...	1.00	D

Feed Table Parts

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Gift	45KC	Complete coupling for malleable link belt, each.....	x	x	x	x	x	x	x	x	\$.40	H
Gibe	45K1	*Malleable links for link belt, each.....	x	x	x	x	x	x	x	x	.10	H
Reek	45K1	*Steel links for link belt, each.....	x	x	x	x	x	x	x	x	.10	H
Locomo	50H	†Plain steel sprocket chain, heavy, per link.....	x	x	x	x					.07	
Aumen	73KL	Hanger for bearing at end of steel table.....	x	x	x	x					.75	
Aunac	73KR	Hanger for bearing at end of steel table.....	x	x	x	x					.75	
Abnas	73K	Bottom connection for guard on steel table.....	x								1.25	
Laker	73L	Bottom connection for guard on steel table.....		x							1.00	
Nakko	73N	Bottom connection for guard on steel table.....			x						1.00	
Rakol	73R	Bottom connection for guard on steel table.....				x					.90	
Aunet	74KB	Table end for steel table.....	x								2.50	
Lurker	74LB	Table end for steel table.....		x							2.40	
Nupko	74NB	Table end for steel table.....			x						2.25	
Rupe	74RB	Table end for steel table.....				x					2.25	
Attack	103KC	Third roll with shaft.....	x								9.00	
Locust	103LC	Third roll with shaft.....		x							8.50	
Notch	103NC	Third roll with shaft.....			x						7.00	
Rosey	103RC	Third roll with shaft.....				x					6.50	
Abbas	112KB	Steel table complete.....	x								30.00	
Lumpfish	112LB	Steel table complete.....		x							20.00	
Nairn	112NB	Steel table complete.....			x						18.00	
Rebent	112RB	Steel table complete.....				x					17.00	
Apul	122KB	Channel, jaw end steel table.....	x								1.50	
Aunik	122KC	Channel, curved sides steel table.....	x								1.50	
Apus	122KD	Channel, straight sides steel table 45 1/4" long.....	x								1.50	
Auposi	122KDA	Channel, straight sides steel table, 44 3/4" in. long.....	x								1.50	
Aomen	122KE	Channel, at outer end steel table.....	x								1.50	
Loupgar	122LB	Channel, jaw end steel table.....		x							1.00	
Louping	122LC	Channel, curved sides steel table.....			x						1.00	
Loupkiss	122LD	Channel, straight sides steel table.....		x							1.00	
Loupwort	122LE	Channel, at outer end steel table.....			x						1.00	
Nuray	122NB	Channel, jaw end steel table.....			x						.75	
Nuqos	122NC	Channel, curved sides steel table.....				x					.75	
Nupat	122ND	Channel, straight sides steel table.....				x					.75	
Nomit	122NE	Channel, at outer end steel table.....					x				.75	
Rupert	122RB	Channel, jaw end, steel table.....					x				.75	
Rural	122RC	Channel, curved sides, steel table.....						x			.75	
Russia	122RD	Channel, straight sides, steel table.....							x		.75	
Ruskin	122RE	Channel, at outer end, steel table.....								x	.75	
Robust	125FSA	98 link belt with angle slats.....					x			x	22.00	D
Nubbin	125HSA	98 link belt, with angle slats.....						x			23.00	D
Asthma	125KA	132 link belt with angle slats.....	x								40.00	D
Liver	125SA	115 link belt, with angle slats.....		x				x			27.00	D
Rocky	183FA	Angle slats for link belt, with steel links.....					x			x	.26	
Rodent	183FSA	Angle steel slats for link belt, without links.....						x		x	.06	G
Nought	183HA	Angle slats for link belt, with steel links.....					x			x	.27	

*Note—When ordering links for link belt or self-feed apron ALWAYS state whether old links are MALLEABLE or STEEL, as the two styles of links do not couple together.

†Note—Sprocket chain shaft drive on R requires 14 links. Upper roll shaft and third roll plain sprocket chain on R, 81 or N requires 20 links. On 127 or L and 158 or K, 27 links.

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Feed Table Parts, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Nowise	183HSA	Angle steel slats for link belt, without links.			x			x			\$.06	G
Aster	183KA	Angle slats for link belt, without links.	x								.12	G
Astray	183KLA	Angle slats for link belt, with steel links	x								.40	
Loath	183LA	Angle slats for link belt, with steel links		x			x				.28	
Loaf	183SA	Angle slats for link belt, without links each.									.10	G
Drizzle	198S	Pins for 45KC each	x	x	x	x	x	x	x	x	.07	
Lacert	203SA	Table bottom, wood, steel table		x							2.50	
Argan	203SK	Table bottom, wood steel table, 2 pcs.	x								2.00	
Naman	203SN	Table bottom, wood, steel table			x						1.50	
Rurik	203SR	Table bottom, wood steel table				x					1.50	
Abaca	205KL	Steel table side, left.	x								5.30	
Abalo	205KR	Steel table side, right.	x								5.30	
Lagard	205LA	Steel table side, left.		x							4.00	
Dragney	205LS	Flaring table side opposite main shaft.		x			x				1.75	
Nahum	205NL	Steel table side, left.			x	x					3.75	
Nagam	205NR	Steel table side, right.			x	x					3.75	
Lagmer	205SA	Steel table side, right.		x							4.00	
Abari	216K	Steel table clip.	x								.30	
Lamark	216L	Steel table clip.		x							.30	
Nagie	216N	Steel table clip.			x	x					.30	
Lanery	217	Wood cross piece under steel table		x							.50	
Abase	217K	Wood cross piece under steel table.	x								.50	
Nakic	217N	Wood cross piece under steel table.			x						.50	
Ralegh	217R	Wood cross piece under steel table.				x					.50	

Shafting and Pins

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Access	41K	Main shaft 2¼ in. x 45 in.	x	.	.	.	.	.	.	.	\$9.00	
Defer	41C	Main shaft 2 in. diameter, 40½ in. long.	.	x	.	.	x	.	.	.	7.00	
Hask	41HC	Main shaft, 33 in. long, 1½ in. diameter	.	.	x	.	.	x	x	x	4.50	
Reef	41R	Main shaft, 31 in. long, 1½ in. diameter	.	.	.	x	.	.	.	.	4.50	
Acme	100K	Table shaft, 1⅜ x 19½ in.	x	.	.	.	x	.	.	.	.75	
Draw	100C	Table shaft, 1⅜ x 15¼ in.	.	x	.	.	.	.	.	.	.75	
Heal	100HC	Table shaft, 1⅜ x 13 in.	.	.	x	.	.	x	.	.	.65	
Feal	100FC	Table shaft, 1⅜ x 10¼ in.	.	.	.	x	.	.	x	x	.60	
Acnod	100KA	Shaft, 1" x 18½", for steel table.	x	.	.	.	.	.	.	.	.75	
Drery	100LA	Shaft, 1⅜" x 15" for steel table.	.	x	.	.	.	.	.	.	.75	
Hepit	100NA	Shaft, 1⅜" x 12½" for steel table.	.	.	x	.	.	.	.	.	.65	
Repute	100RA	Shaft, 1⅜" x 9¾" for steel table.	.	.	.	x	.	.	.	.	.60	
Drain	101C	Upper feed roll shaft, roll end, 1⅜x23 in.	.	x	.	.	x	.	.	.	1.25	
Lobby	101CA	Upper feed roll shaft, roll end, 1⅜ x 25½ in.	.	.	x	.	.	.	.	.	1.40	
Fasten	101FC	Upper feed roll shaft, roll end, 1⅜ x 17½ in.	.	.	.	.	.	.	x	x	.90	
Hasten	101HC	Upper feed roll shaft, roll end, 1⅜ x 20¾ in.	.	.	x	.	.	x	.	.	1.00	
Acorn	101K	Upper feed roll shaft, roll end, 1⅜x27 in.	x	.	.	.	.	.	.	.	1.75	
Astute	101KA	Upper feed roll shaft, roll end, 1⅜ x 30½ in.	.	.	.	.	.	.	.	.	2.00	
Nourish	101N	Upper feed roll shaft, roll end, 1⅜x22½"	.	.	x	.	.	.	.	.	1.20	
Nouruet	101NA	Upper feed roll shaft, roll end, used with roller chain drive 1⅜" x 21¾"	.	.	x	.	.	.	.	.	1.20	

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Shafting, Pins, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Refract	101R	Upper feed roll shaft, roll end, $\frac{15}{16} \times 18''$				x					\$1.00	
Robber	101RA	Upper feed roll shaft, roll end, $\frac{15}{16} \times 18''$				x					1.00	
Drake	102C	Upper feed roll shaft, gear end, $\frac{13}{16} \times 19\frac{1}{4}''$		x			x				1.25	
Lobster	102CA	Upper feed roll shaft, gear end, $\frac{13}{16} \times 19\frac{1}{4}''$		x							1.25	
Haste	102HC	Upper feed roll shaft, gear end, $\frac{13}{16} \times 14\frac{3}{4}''$			x			x			1.00	
Acorus	102K	Upper feed roll shaft, gear end, $\frac{13}{16} \times 21''$	x								1.50	
Asylum	102KA	Upper feed roll shaft, gear end, $\frac{13}{16} \times 21''$	x								1.50	
Novice	102N	Upper roll shaft, gear end, squared $\frac{15}{16} \times 15\frac{1}{4}''$			x						1.25	
Refrain	102R	Upper feed roll shaft, gear end, $\frac{15}{16} \times 12''$				x					.75	
Rocket	102RA	Upper roll shaft, gear end squared $\frac{15}{16} \times 12\frac{1}{4}''$				x					1.10	
Drape	103C	Sprocket shaft, $1 \times 36\frac{3}{4}$ in.		x			x				1.25	
Fass	103FC	Sprocket shaft, $\frac{15}{16} \times 21\frac{3}{4}$ in.							x	x	1.00	
Hass	103HC	Sprocket shaft, $\frac{15}{16} \times 22$ in, used with gear drive			x			x			1.15	
Hasserk	103HCA	Sprocket shaft, $\frac{15}{16} \times 22''$, used with roller chain drive			x						1.75	
Acquit	103K	Sprocket shaft, $1 \times 36''$	x								1.50	
Refuge	103R	Sprocket shaft, $\frac{15}{16} \times 18\frac{3}{4}$ in.				x					1.00	
Lozenge	104CA	Lower feed roll shaft, $\frac{13}{16} \times 58$ in.		x							3.50	
Hattel	104HCA	Lower feed roll shaft, $1\frac{3}{16} \times 50\frac{1}{2}''$, used with roller chain drive			x						3.25	
Acre	104K	Lower feed roll shaft, $\frac{13}{16} \times 65$ in.	x								4.00	
Refund	104R	Lower feed roll shaft, $\frac{15}{16} \times 41\frac{1}{2}$ in.				x					1.75	
Dram	105C	Bevel gear shaft, $\frac{13}{16} \times 29$ in.		x			x				1.50	
Hatter	105HC	Bevel gear shaft, $\frac{13}{16} \times 24\frac{3}{4}$ in.			x				x	x	1.50	
Acrid	105K	Bevel gear shaft, $\frac{13}{16} \times 32$ in.	x								1.75	
Refuse	105R	Bevel gear shaft, $\frac{15}{16} \times 21\frac{3}{8}$ in.				x					1.00	
Duckahoy	108DS	$\frac{15}{16} \times 3\frac{3}{4}$ in. pin for 282 and 282A bracket threaded with grease cap.		x			x				1.25	
Hubbub	108FS	$\frac{15}{16} \times 2\frac{13}{16}$ in. pin for 382 and 382A bracket threaded.			x			x	x	x	.75	
Huckster	108HS	$\frac{15}{16} \times 2\frac{1}{16}$ in. pin for 382 and 382A bracket, not threaded			x			x	x	x	.75	
Actus	108KC	$\frac{11}{16} \times 4\frac{1}{2}''$ pin for 682 and 682A bracket, not threaded, with grease cap.	x								.95	
Refute	108R	$\frac{15}{16} \times 2$ in. pin for 782 and 782A bracket, threaded.				x					.75	
Duckoy	108SA	$\frac{11}{16} \times 4\frac{1}{8}''$ pin for 282 and 282A bracket, not threaded, with grease cap.		x			x				.75	
Acute	109KA	$\frac{11}{16} \times 6\frac{1}{8}''$ pin for 682 and 682A bracket, with grease cap.	x								1.00	
Regain	109R	$\frac{15}{16} \times 4$ in. pin for 782 and 782A bracket not threaded				x					.75	
Glottis	109SA	$\frac{11}{16} \times 5''$ pin for 282 and 282A and 382 and 382A bracket, with grease cap.		x	x		x	x	x	x	.90	
Adage	110K	$\frac{15}{16} \times 7$ in. pin for 679 and 679A bracket.	x								.60	
Glout	110S	$\frac{15}{16} \times 6\frac{3}{4}$ in. pin for D279, 479 and 479A bracket.		x	x		x	x	x	x	.60	

Knives, Shredders, Shear Plates

When ordering knives ALWAYS state whether straight or curved knives are wanted; also look for letter or number on knife.

Codeword	No.	Description	Used on Machine Style										Price	Plate	
			158	127	81	K	L	N	R	D	H	F			O
Apple	158	Cutting knife	x											\$5.50	E
Apex	104KL	Cutting knife				x								5.50	E
Lapdog	127	Cutting knife		x										5.00	E
Defiling	104L	Cutting knife					x							5.00	E
Newnife	81	Cutting knife			x									3.75	E
Hatrim	114S	Cutting knife					x							3.75	E
Ocano	114-0	Cutting knife for O only										x		3.75	E
Regale	114R	Cutting knife						x						3.00	E
Defile	114D	D curved knife							x					6.75	E
Cow	114C	C curved knife for C mach. only								x				6.75	E
Hatred	114H	H curved knife								x	x			5.00	E
Kidney	104KS	Shredder knife	x			x								7.00	E
Label	104LS	Shredder knife.		x			x							6.25	E
Native	114SN	Shredder knife.			x			x				x		4.75	E
Ready	114RO	Shredder knife.							x					3.75	E
Abaft	114K	Malleable shredder bar.	x			x								5.00	E
Lout	114L	Malleable shredder bar.		x			x							4.50	E
Namely	114N	Malleable shredder bar.			x			x						4.00	E
Rabid	114RA	Malleable shredder bar.							x					3.50	E
Doctor	D283	Shear plate and bolts		x			x			x				1.40	E
Hammock	F383	Shear plate and bolts									x	x		1.00	E
Harmless	H483	Shear plate and bolts				x			x			x		1.20	E
Abuse	683	Shear plate and bolts	x				x							1.50	E
Recruit	783	Steel shear plate and bolts.								x				2.80	C

Pulleys

All Rockwood pulleys listed here are interchangeable on any of the hubs listed below.

Codeword	No.	Description	Used on Machine Style										Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O				
Nuzzle	RN99	Hub, 1½ in. bore			x	x		x	x	x			\$2.00	
Louvan	L99	Hub, 2 in. bore		x				x					2.00	
Avena	K99	Hub, 2¼ in. bore		x									2.00	
Rocam	N8	8 x 6 Rockwood pulley, with hub			x	x		x	x	x			11.00	
Rocdal	N10	10 x 6 Rockwood pulley, without hub			x	x		x	x	x			11.00	
Roches	N12	12 x 6 Rockwood pulley, without hub			x	x		x	x	x			11.00	
Rochell	N14	14 x 6 Rockwood pulley, without hub			x	x		x	x	x			12.00	
Rocfish	N16	16 x 6 Rockwood pulley, without hub			x	x		x	x	x			13.00	
Rocner	N18	18 x 6 Rockwood pulley, without hub			x	x		x	x	x			14.00	
Rocbar	N20	20 x 6 Rockwood pulley, without hub			x	x		x	x	x			15.00	
Rocrose	N22	22 x 6 Rockwood pulley, without hub			x	x		x	x	x			16.00	
Rocono	N24	24 x 6 Rockwood pulley, without hub			x	x		x	x	x			17.00	
Roxeta	X10	10 x 8 Rockwood pulley, without hub	x	x				x					15.00	
Roxder	X12	12 x 8 Rockwood pulley, without hub	x	x				x					15.00	
Roxhen	X14	14 x 8 Rockwood pulley, without hub	x	x				x					16.00	
Roxina	X16	16 x 8 Rockwood pulley, without hub	x	x				x					17.00	
Roxfire	X18	18 x 8 Rockwood pulley, without hub	x	x				x					18.00	
Roxgy	X20	20 x 8 Rockwood pulley, without hub	x	x				x					19.00	
Roxberry	X22	22 x 8 Rockwood pulley, without hub	x	x				x					20.00	
Roxskin	X24	24 x 8 Rockwood pulley, without hub	x	x				x					21.00	

Sprocket Chain

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Gift	45KC	Complete coupling for malleable link belt, each.	x	x	x	x	x	x	x	x	\$.40	H
Gibe	45K1	*Malleable links for link belt, each.	x	x	x	x	x	x	x	x	.10	H
Reek	45K1	*Steel links for link belt, each.	x	x	x	x	x	x	x	x	.10	H
Locomo	50H	†Plain steel sprocket chain, heavy, per link.	x	x	x	x					.07	
Berries	442†	Loose pin sprocket chain, extra strong, per link.									.30	
Bishop		Roller chain, sprocket shaft drive, 37 links (one offset coupling link)	x								5.20	
Bismite		Roller chain, sprocket shaft drive, 36 links.		x							4.70	
Bisner		Roller chain, sprocket shaft drive, 27 links (one offset coupling link)			x						3.50	
Bistort		Roller chain, finger feed or third roll drive, 50 links.	x	x							6.50	
Bissing		Roller chain, finger feed or third roll drive, 37 links (one offset coupling link)			x						5.20	
Birrach		Roller chain, third roll drive, 37 links (one offset coupling link)				x					5.20	
Bitlis		Roller chain link, each.	x	x	x						.15	
Bitter		Roller chain offset coupling links, each.	x	x	x						.60	

*Note—When ordering links for link belt or self-feed apron ALWAYS state whether old links are MALLEABLE or STEEL, as the two styles of links do not couple together.

†Note—Sprocket chain shaft drive on R requires 14 links. Upper roll shaft and third roll plain sprocket chain on R, 81 or N requires 20 links. On 127 or L and 158 or K, 27 links.

‡Note—For vertical roll K chopper only. 49 links for complete chain.

Mount Parts

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Dasyure		Set mount bolts (state size of mount) ..			x	x					\$.75	
Agonize	KM5	Steel truck wheel.....	x								9.00	F
Maltha	MA5	Steel truck wheel.....		x			x				6.50	F
Mason	MH5	Steel truck wheel.....			x			x	x	x	6.00	F
Reign	RM5	Steel truck wheel.....				x					5.50	F
Muzzle	HM10	U support for steel table			x						1.75	
Kerbin	KM10	U support for steel table	x								2.00	
Lumbar	LM10	U support for steel table		x							1.50	
Roar	RM10A	U support for steel table				x					1.75	
Rabbi	RM15	Rear axle supports, each				x					.75	G
Mexico	M16	Steel leg 15" long, for mounted machine		x			x				1.50	F
Retire	RM16	Tongue bearing at center of frame (re- places 716).....					x				.50	G
Relapse	RM17	Tongue bearing at end of frame					x				.60	F
Agris	KM18A	Table support for steel table.....	x								3.50	
Agreed	KM18	Table support.....	x								3.50	F
Milk	M18A	Table support.....		x			x				3.25	F
Dirty	M18B	Table support for steel table.....		x							3.25	
Rabbit	RM18	Table support.....				x					2.00	G
Rabboti	RM18A	Table support for wood or steel table..				x					2.00	
Mina	M22	Pole with casting, hammer strap & bolt	x	x	x	x	x	x	x	x	5.50	
Aim	KM23	Front axle complete.....	x								10.00	F

Mount Parts, (Continued)

Mire	M23	Front axle complete.....	x	x	.	x	x	x	x	5.00	F
Rack	RM23	Front axle complete.....	.	.	.	x	.	.	.	3.50	F
Habit	HM28	Table support.....	.	.	.	x	.	.	.	3.00	F
Hacur	HM28A	Table support for steel table.....	.	.	.	x	.	.	.	3.00	F
Arabic	KM29	Pole brace casting.....	x	.	.	.	.	.	.	1.25	F
Montem	M29A	Pole brace casting (replaces M29).....	.	x	x	.	x	.	.	1.00	F
Rival	RM29	Pole brace castings.....	.	.	.	.	x	.	.	.50	F
Alarm	KM30	Part of fifth wheel on front axle, malleable	x	.	.	.	.	.	.	3.00	F
Monte	M30	Part of fifth wheel on front axle, malleable	.	x	x	.	x	x	x	2.25	F
Montery	RM30	Part of fifth wheel on front axle, malleable	.	.	.	.	x	.	.	1.75	F
Album	KM31	Part of fifth wheel on mounting frame, malleable.....	x	.	.	.	.	.	.	2.50	F
Monture	M31	Part of fifth wheel on mounting frame, malleable.....	.	x	.	.	x	.	.	2.00	F
Ritual	RM31	Part of fifth wheel on frame, cast iron.....	.	.	.	.	x	.	.	1.25	F
Monon	M34	Part of fifth wheel on mounting frame, malleable.....	.	.	.	x	.	.	.	1.75	F
Monroe	M35	King bolt washer.....	x	x	x	x	x	x	x	.04	
Alcove	KM38	Mounting frame with rear axle.....	x	.	.	.	.	.	.	32.00	
Morden	M38	Mounting frame with rear axle.....	.	x	.	.	x	.	.	22.00	
Mordain	HM38	Mounting frame with rear axle.....	.	.	x	.	.	x	x	18.00	
Raisin	RM38	Mounting frame with rear axle.....	.	.	.	.	x	.	.	13.00	
Alert	KM39	Draw irons for pole.....	x	.	.	.	.	.	.	2.50	
Morey	M39	Draw irons for pole.....	.	x	x	.	x	x	x	2.25	
Retour	RM39	Draw irons.....	.	.	.	.	x	.	.	2.00	
Arbor	KM97	Axle collar cast iron, each.....	x	.	.	.	.	.	.	.30	F
Gast	M97A	Axle collar (replaces M97).....	.	x	x	.	x	x	x	.15	F
Ribbon	RM97	Axle collar cast, each (replaces 1054).....	.	.	.	.	x	.	.	.20	F
Mashy	416	Angle support on mounting (left).....	.	.	.	.	x	.	.	.35	F
Masher	417	Angle support on mounting (right).....	.	.	.	.	x	.	.	.35	F

Miscellaneous

Codeword	No.	Description	Used on Machine Style							Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F		
Dasies		Set of drum bolts (state size of machine).....	x	x	x	x	x	x	x	\$.60	
Dashing	145-1½"	Set (6) washers for thrust collar.....	.	.	.	x	.	.	.	.10	
Dasher	145-2"	Set (6) washers for thrust collar.....	x	x	.	.	.	x	.	.10	
Dalet	A	Special ¾x5 in. bolt for straight knives.....	.	x	x	x	.	.	.	.40	H
Acarus	B	Special ¾x5½ in. bolt for straight knives.....	x	.	.	.	.	.	.	.40	H
Debited	17	Cast washer for 1½ in. pin for 282, 282A, 382 and 382A brackets.....	.	x	x	.	.	x	x	.05	H
Decamac	18A	¾" Macit setscrew, nonbreakable.....	x	x	x	x	.	x	x	.20	
Decagram	19	5/8 in. cap screw for main shaft collar.....	x	x	.	.	.	x	.	.20	
Natick	N19	5/8x1¼ cap screw for main shaft collar.....	.	.	.	x	x	.	.	.20	
Lisp	20	Adjusting bolt for drum, ½x6½", four nuts.....	x	x	x	x	x	x	x	.20	
Girder	47	5/16 in. straight key for change gears.....	x	x	x	.	.	.	.	.06	
Reel	47R	1/4x1¾ in. straight key for change gears.....	.	.	.	.	x	.	.	.06	
Glebe	48	3/8 in. thumbnuts, each.....	x	x	x	x	x	x	x	.10	
Dive	49	Shear plate bolts, two nuts, each 7/16x2¼.....	.	x	.	.	.	x	.	.12	
Hive	49H	Shear plate bolts with two nuts, each 7/16 x 2½.....	.	.	.	x	.	.	.	.12	
Acclaim	49K	3/8 x 6 shear plate bolt, two nuts, each.....	x	.	.	.	.	.	.	.15	
Reeve	49R	Plow bolts for shear plate, each.....	.	.	.	.	x	.	.	.07	

Miscellaneous, (Continued)

Codeword	No.	Description	Used on Machine Style								Price	Plate
			158 or K	127 or L	81 or N	R	D	H	F	O		
Gith	50	Carriage bolts, each (state size and where used).....	x	x	x	x	x	x	x	x	\$.05	
Given	51	Bevel ring bolts, $\frac{3}{16}$ x $2\frac{3}{4}$ in., each.....	x	x	x	x	x	x	x	x	.05	H
Giver	52	Pipe bolts, $\frac{5}{16}$ x $\frac{3}{4}$ in., each.....	x	x	x	x	x	x	x	x	.03	H
Gimp	75	Machine bolts, each (state size and where used).....	x	x	x	x	x	x	x	x	.10	
Arborize	75K	$\frac{1}{2}$ x $2\frac{1}{2}$ in. machine bolts for 605 knife supports.....	x								.10	
Locality	75L	$\frac{1}{2}$ x 2 in. machine bolts for 505L and 505C knife supports.....		x							.10	
Lockbar	75ML	Machine bolt for 114L and 114N shredder bars $\frac{3}{4}$ " x $3\frac{1}{2}$ ".....		x							.10	
Gin	76	$\frac{1}{16}$ x $1\frac{3}{4}$ in. cge. bolts for curved knives, 405 & 704 supports, 114RA bars.....	x	x	x	x	x	x	x	x	.12	H
Dinger	77	$\frac{1}{2}$ x 3 in. gib key for pulley.....	x	x			x				.35	
Ginger	77H	$\frac{3}{8}$ x $1\frac{1}{2}$ x $2\frac{1}{2}$ in. gib key for pulley.....			x	x		x	x	x	.30	
Dipsy	78	$\frac{1}{16}$ x $\frac{1}{2}$ x $2\frac{1}{4}$ in. gib key for bevel gear.....	x	x			x				.30	
Gipsy	78H	$\frac{3}{16}$ x $1\frac{3}{4}$ in. gib key for bevel gear.....			x	x		x	x	x	.20	
Agoki	78K	$\frac{1}{16}$ x $\frac{1}{2}$ x $2\frac{1}{2}$ in. gib key for bevel gear.....	x								.30	
Gird	79	$\frac{3}{16}$ x $2\frac{1}{4}$ in. gib key for 110 & 610 gear.....	x	x	x		x	x	x	x	.25	
Referee	79R	$\frac{1}{4}$ x $2\frac{3}{4}$ " straight key for No. 710 pinion.....				x					.06	
Girdle	80	$\frac{5}{16}$ x $1\frac{3}{4}$ in. gib key for change gears.....	x	x	x		x	x	x	x	.15	
Gist	81	Set bolts for curved knives, two nuts, $\frac{1}{16}$ x $1\frac{3}{8}$, each.....					x	x	x		.15	H
Lagoon	81L	Set bolts for straight knives, two nuts, $\frac{1}{2}$ x $2\frac{1}{4}$, each.....	x	x	x	x				x	.15	H
Numb	82N	$\frac{5}{8}$ x $1\frac{1}{4}$ set screw for wheel.....	x	x	x	x	x	x	x	x	.25	
Dry	89	Rod for reverse lever.....	x	x	x	x	x	x	x	x	.35	H
Drub	90	Catch for reverse lever.....	x	x	x	x	x	x	x	x	.60	H
Drove	91	Spring for reverse lever.....	x	x	x	x	x	x	x	x	.10	H
Duck	107S	Oil can.....	x	x	x	x	x	x	x	x	.25	
Haymow	113HS	Tool box, not packed.....			x			x	x	x	3.00	
Adder	113K	Tool box, not packed.....	x								3.25	
Addict	113KC	Packed tool box for 158-3-kn. cutter only.....									41.00	
Nation	113NP	Tool box for 2-knife machine (packed).....			x						25.00	
National	113NS	Tool box for 3-knife machine (packed).....			x						35.00	
Regency	113R	R tool box, not packed.....				x					2.50	
Regiment	113RP	R tool box, packed.....				x					20.00	
Drill	113S	Tool box, not packed.....		x							3.00	
Lance	113SL	Packed tool box for No. 127-3-knife mounted cutter only.....									38.00	
Giggle	129S	Cotter keys, each.....	x	x	x	x	x	x	x	x	.03	
Harlem	143	Distributor pipe hooks.....	x	x	x	x	x	x	x	x	.07	
Hershey	144	Distributor pipe chain.....	x	x	x	x	x	x	x	x	.10	
Hazy	207HS	6" lagging for pulley with rivets, per inch.....									.03	
Duele	207S	8" lagging for pulley with rivets, per inch.....									.04	
Huce	208HS	Skids, each.....			x			x			1.00	
Agist	208K	Skids, each.....	x								3.00	
Rehearse	208R	Skids, each.....				x					1.00	
Duce	208S	Skids for mounted cutter, each.....		x			x				2.50	
Dune	211S	Rivets, per pound.....	x	x	x	x	x	x	x	x	.20	
Dure	212S	Stove bolts, each.....	x	x	x	x	x	x	x	x	.03	
Decamp	213S	$\frac{1}{4}$ in. grease cups for main bearings, each.....	x	x	x						.12	
Rumpus	213SR	$\frac{1}{8}$ in. grease cups for main bearing, each.....				x					.12	
Dozing	214S	$\frac{1}{8}$ in. grease cups for D279479, 479A, 679, 679A, 678 and 678A bearings and grinder, each.....	x	x	x						.12	
Hum	214K	$\frac{1}{8}$ " oil cup for K679A, 579, N479A, 581 and 681.....	x	x	x						.30	
		Grease caps for 109S and 108S pins, each.....									.10	

Parts, Special on Hay Chopping Machines

Codeword	No.	Description	Used on Machine Style or No.			Price
			K	L	N	
Beach	Z1D	Cylinder head, left (drive end) horizontal, malleable..	x	-	-	\$ 6.00
Beacpor	Z1E	Cylinder head, left (drive end) malleable, replaces Z1B	-	x	-	5.00
Bead	Z2A	Cylinder head, right horizontal and vertical	x	-	-	4.00
Bader	Z2B	Cylinder head, right	-	x	-	3.30
Beacon	Z3A	Cylinder head, bevel gear end (drive end) vertical	x	-	-	8.00
Bedlam	Z10A	Sheet steel drum for idle roller	x	-	-	1.25
Ballast	Z13	Bearing on crank shaft	x	-	-	.75
Biology	Z17B	Wood bushing for fingers, 1" bore, obsolete, entire set replaced by Z66 tubing	x	x	-	
Biolock	Z17C	Antifriction metal bushing for Z53A guide & 1/2" fingers	x	x	-	.30
Beagle	Z18A	Steel fingers, 1/2"	x	-	-	.50
Beagling	Z18B	Steel fingers, 1/2"	-	-	-	.50
Beget	Z18N	Steel fingers, 1/16", 5" long to center of eye	-	-	x	.50
Bedizen	Z25K	Guard over sprocket and chain	x	-	-	5.00
Beduin	Z35A	Brace, vertical roll to jaw	x	-	-	.75
Being	Z40A	Crank shaft in horizontal roll, bronze bushed	-	-	x	6.25
Beamer	Z41A	Crank shaft in horizontal feeder roll, bronze bushed ..	-	x	-	8.25
Beam	Z42A	Crank shaft in horizontal feeder roll, bronze bushed ..	x	-	-	8.75
Belief	Z42B	Crank shaft in vertical feeder roll, bronze bushed	x	-	-	8.50
Beard	Z44	Bevel gear, 28 teeth, 3 roll machine	x	-	-	2.50
Beast	Z45	Hanger bearing for vertical feeder roll, left	x	-	-	7.00
Beat	Z46	Hanger bearing for vertical feeder roll, right	x	-	-	7.00
Beau	Z47	Bearing for bevel pinion shaft, 3 roll machine	x	-	-	1.50
Beauter	Z48A	Cast sprocket, 18 teeth, 1 15/16" bore	-	x	-	1.75
Bicarbo	Z48B	Cut sprocket, 34 teeth, 1 15/16" bore	x	x	-	3.00
Bicker	Z48N	Cast sprocket, 11 teeth, 1 5/8" bore	-	-	x	1.25
Beaver	Z49	Link guard for sprocket, inside piece only	x	-	-	2.00
Bieron	Z49B	Link, with bearing race, sheet iron covers, obsolete, order Z228	x	-	-	4.00
Because	Z50	Link, guard cover for sprockets	x	-	-	3.00
Becured	Z50H	Sprocket chain, per link	x	x	x	.07
Becker	Z51A	Bevel gear, 14 teeth, 3 roll machines	x	-	-	1.25
Beckon	Z52	Cover for bevel gears (cast iron)	x	-	-	1.00
Beclouder	Z53A	Rocker guide for 1/2" fingers, bushed, oilless metal	x	x	-	.60
Beedot	Z53N	Rocker guide for 1/2" fingers, bronze	-	-	x	.45
Becoming	Z54A	Bearing for Z53A rocker guide	x	x	-	.30
Biddle	Z54N	Bearing for Z53N rocker guide	-	-	x	.25
Bedew	Z57	Idle roll shaft, 3 roll machine	x	-	-	1.60
Bedim	Z58	Spacing collar on idle roll shaft, 3 roll	x	-	-	.50
Bedrid	Z59	Tie rods for top of vertical feed rolls	x	-	-	.30
Bettle	Z60	Malleable iron link for feeder roll, inside, obsolete ..	x	-	-	.80
Beetlid	Z60A	Link for feeder roll, drive end, obsolete	-	x	-	1.00
Bigamy	Z60B	Link for feeder roll, drive end, obsolete	-	x	-	1.50
Bifacial	Z60N	Link, for feeder roll, drive end, obsolete	-	-	x	1.50
Bee	Z61	Drive sprocket for lower roll shaft	x	-	-	1.50
Beet	Z61A	Drive sprocket for lower roll shaft	x	-	-	3.00
Beetling	Z62	Ratchet hub	x	-	-	2.00
Bight	Z64A	Chain tightener on 3-roll chopper only	x	-	-	2.00
Bilboa	Z65	Bracket for Z64A chain tightener	x	-	-	1.00
Billy	Z66A	Bronze bushed tubing, 15 5/8" long	x	-	-	3.25
Bimodal	Z66B	Bronze bushed tubing, 12" long	-	x	-	3.25
Biogen	Z66C	Bronze tubing, 9 1/8" long	-	-	x	2.00
Bilge	D67A	Head for idle roll	x	-	-	.70
Bekzocomp	Z68K	Horizontal finger feed roll, complete with 1/2" fingers, heads, bearings and crankshaft	x	-	-	72.00
Belcomp	Z68L	Horizontal finger feed roll, complete with 1/2" fingers, heads, bearings and crankshaft	-	x	-	60.00

ORDER ALL EXTRAS BY NUMBER OR CODEWORD

Hay Chopper Repair List, (Continued)

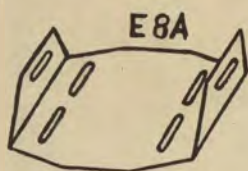
Codeword	No.	Description	Used on Machine Style or No.			Price
			K	L	N	
Bekercomp	Z68V	Vertical finger feed roll, complete with $\frac{1}{2}$ " fingers, heads, bearings and crankshaft	x	-	-	\$79.00
Billatis	Z84A	7 inch suction elbow entering center lower drum	-	x	-	5.60
Billiard	Z84T	7 inch suction elbow entering center lower drum	x	-	-	5.60
Billings	Z84L	7" Suction elbow entering drum under shear plate	x	x	-	5.60
Binary	Z84P	Flexible elbow, $6\frac{1}{2}$ "	-	x	x	11.50
Bindery	Z84K	Flexible elbow, $7\frac{1}{2}$ "	x	-	-	13.00
Lying	Z101C	Upper feed roll shaft for self feeding attachment, roll end, $1\frac{1}{8}$ " x $33\frac{1}{4}$ "	-	x	-	2.00
Avenge	Z101K	Upper feed roll shaft for self feeding attachment, roll end, $1\frac{1}{8}$ " x $31\frac{3}{4}$ " turned down for roller bearing, hardened	x	-	-	3.00
Lynn	Z101SA	Upper feed roll shaft on L turned down for roller bearing	-	x	-	2.00
Bitumen	Z103C	Sprocket shaft, 1 x $36\frac{1}{2}$ "	-	x	-	1.50
Bifaness	Z103K	Sprocket shaft, 1 x $39\frac{1}{2}$ "	x	-	-	2.00
Bitter	Z104C	Lower roll shaft, $1\frac{3}{16}$ " x 58"	-	x	-	3.50
Beeline	Z104K	Lower roll shaft, $1\frac{3}{16}$ " x 69"	x	-	-	4.50
Acrity	Z105K	Drive shaft for vertical rolls, $1\frac{3}{16}$ " x $38\frac{1}{8}$ "	x	-	-	2.00
Belch	Z112K	Table for feeding hay, flat for 3 finger rolls	x	-	-	85.00
Additer	Z113KC	Packed tool box for 3 knife hay chopper	x	-	-	45.00
Lancit	Z113SL	Packed tool box for hay chopper	-	x	-	40.00
Billow	Z116K	Lower drum cut out for elbow	x	-	-	22.00
Billion	Z116D	Lower drum cut out for elbow	-	x	-	16.00
Defibbs	Z118D	Steel casing, hinged cover, not perforated	-	x	-	10.50
Adjowed	Z118K	Steel casing, hinged cover, not perforated	x	-	-	12.50
Lockitts	Z126KL	Sprocket gear cover	x	x	-	2.25
Bully	Z228	Cast link to support third roll, drive end, with bearing race, replaces Z49B	x	x	-	4.50
Bilet	Z229	Malleable link to support third roll, right side	-	x	-	1.50
Bilious	232A	Cut sprocket, 15 teeth, for roller chain	x	x	-	1.25
Bingen	234	Cut sprocket	-	x	-	1.75
Biggs	Z428	Cast link for third roll, drive end, with bearing race	-	-	x	3.25
Bible	Z429	Malleable link to support third roll, right side	-	-	x	1.25
Billet	431A	Cut sprocket, 21 teeth, for roller chain $1\frac{5}{8}$ " bore	-	-	x	1.75
Berries	442*	Loose pin sprocket chain, per link	x	-	-	.30
Bienne	581	Gear case and cover	-	x	-	2.00
Aspectus	Z614B	Bearing for upper roll shaft, $1\frac{5}{16}$ " bore, malleable, tapped for zerk fitting	x	-	-	1.50
Accrete	629C	Support for finger feed, obsolete	x	-	-	1.75
Buter	Z629	Malleable link to support third roll, right side	x	-	-	1.75
Birch	660B	Pipe collar, $7\frac{1}{2}$ " malleable, for flexible elbow	x	-	-	2.50
Bipolar	661	Ring for flexible elbow	x	-	-	2.25
Biometry	681	Gear case and cover	x	-	-	2.25
Goitout	Z1932	Hyatt bearing with race, for Z228 and Z49B	x	x	-	3.00
Gully	2109A	Pulley for chain tightener	x	-	-	.60
Greeley	Z206A	Zerk connection, straight, $\frac{1}{4}$ " each	x	x	x	.18
Gifey	Z206C	Zerk connection, straight, $\frac{1}{4}$ " each	x	x	-	.25
Lipsey		Curtain for Z84A	-	x	-	1.25
Accrido		Curtain for Z84T	x	-	-	1.25

*Note—49 links for complete chain. For vertical roll K chopper only.

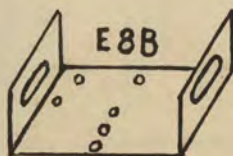
Parts for Knife Grinder (Code Erase)

For use on all model Papec Ensilage Cutters and Hay Chopper—Silo Fillers

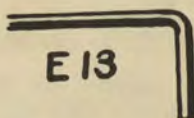
Codeword	No.	Description	Price	Page
Earl	E3	Main frame	\$2.50	28
Earth	E5	Pulley, Rockwood, 2"	1.00	
Eagle	E6A	Tool Rest	.35	
Edible	E8A	Bracket to attach main frame to cutter, upper half, steel	.75	28
Edition	E8B	Bracket to attach main frame to cutter, lower half, steel	.75	28
Edifice	E10A	Split pulley	1.75	28
Ealder	E10	Combined gear and pulley, obsolete	2.25	
Eame	E11	Washer for arbor, $\frac{3}{4}$ in. bore	.30	28
Easy	E12	Collar for emery wheel	.30	28
Eaves	E13	Round arm for tool rest	.25	28
Ear	E15	$\frac{3}{4}$ in. hexagon lock nut, $\frac{7}{16}$ in. thick	.10	
Elate	E15K	$\frac{3}{4}$ in. hexagon nut, $\frac{9}{16}$ in. thick	.10	
Earing	E19	Driving belt	1.25	
Earlap	E20	Emery wheel, special grit, 9 in. diameter	3.75	
Easel	E30	Hook bolts	.10	



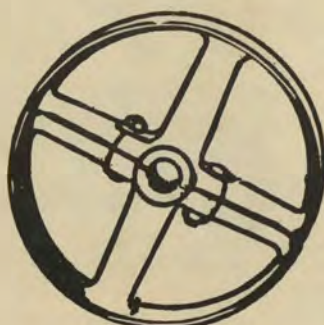
E8A



E8B



E13



E10A



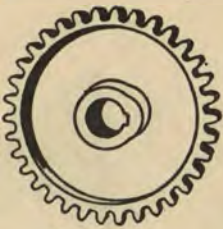
E11

E12



E3

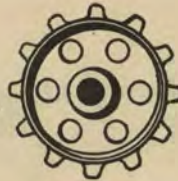
PLATE A



132-134
132 A 134 A



141-A



204



241
H-342
742



H404



192



110



138 138 A
738



304
303
703



202



137
137 A



B-139



203



135 A 135 136 136 A
735 736



710



H 341 242 741

PLATE C



DD 2



N2R-L2R^{OR}K2R



N2-L2^{OR}K2



N2L-L2L^{OR}K2L



L503-N300



L504



277



477



275 - 276 - 276A - 276B
475 - 476 - 476B
775 - 776A - 676A



677



382A
782A
282A
682A



414
414A
414B



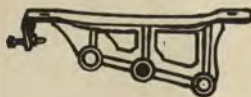
N479 - N479A
579-679-679A



479-479A



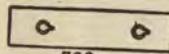
278D-678-678A



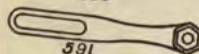
D279
679-679A



214-214A-614
614A-614B



783



591

PLATE D

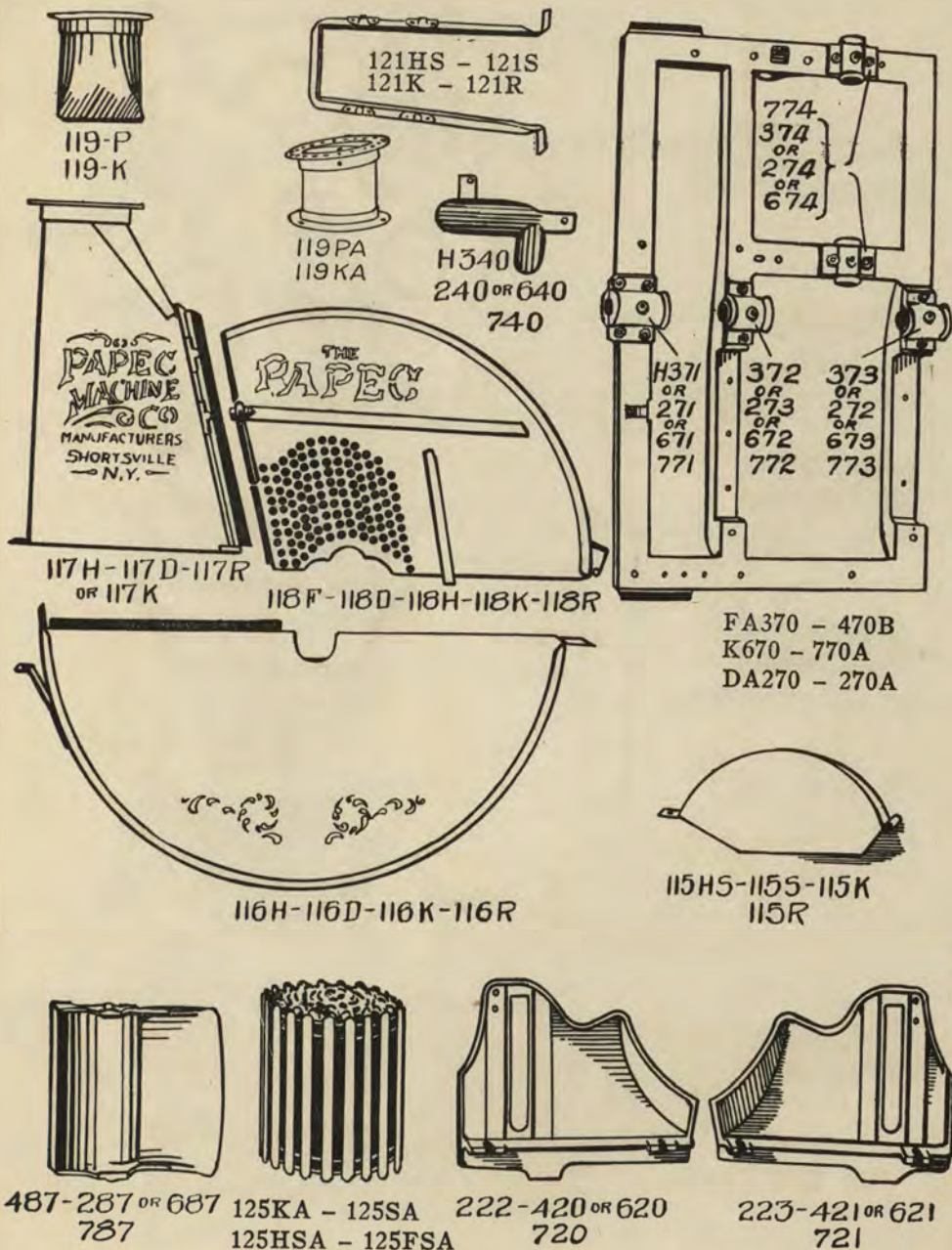


PLATE E

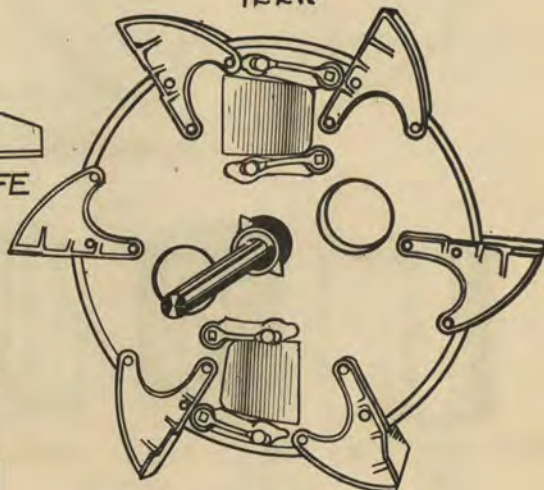
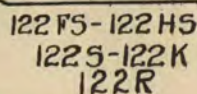
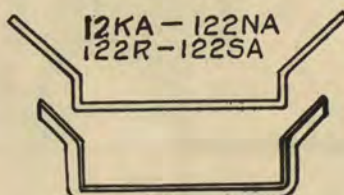
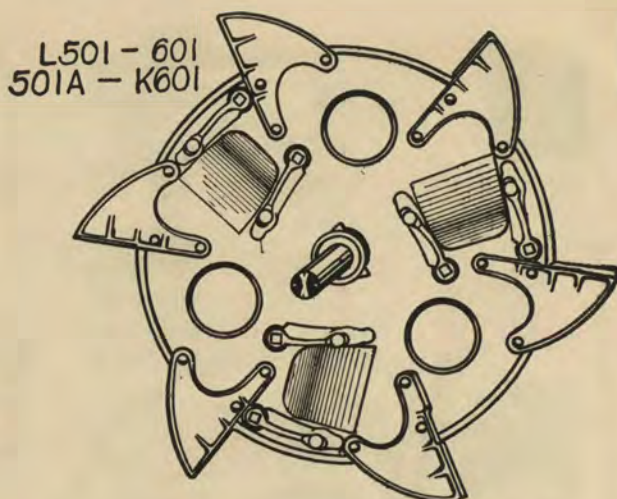
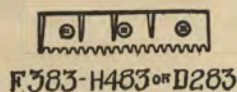
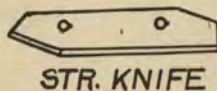
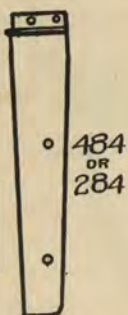
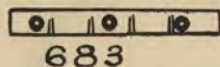
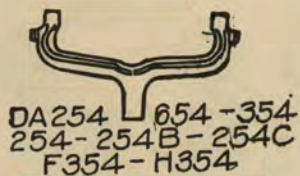
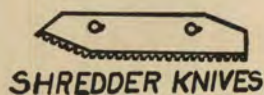
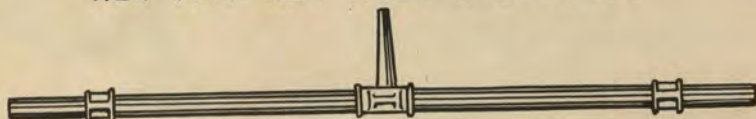


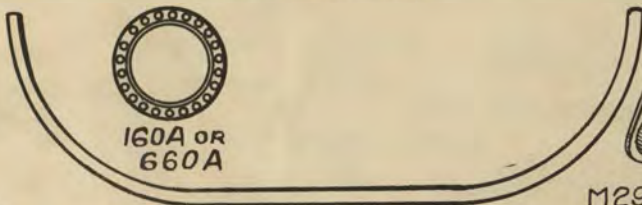
PLATE F



K24-M24-R24-HM24-KM24-RM24



R23-M23 OR K23

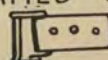


160A OR
660A

M41 OR K41



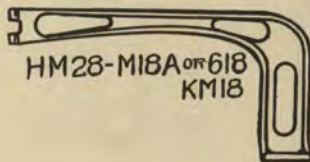
M29-M29A
KM29-RM29



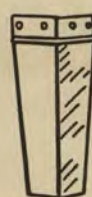
M31-M34
RM31-



M30
KM30-RM30



HM28-M18A OR 618
KM18



M16 OR 616



416



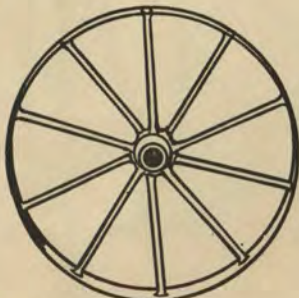
417



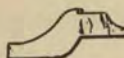
85P OR 85K



M 37



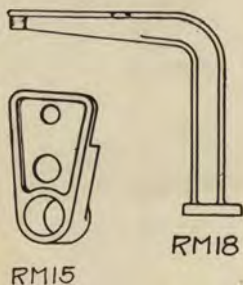
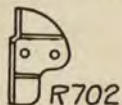
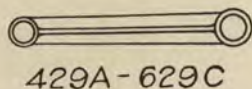
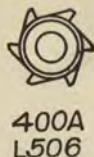
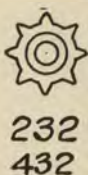
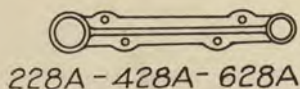
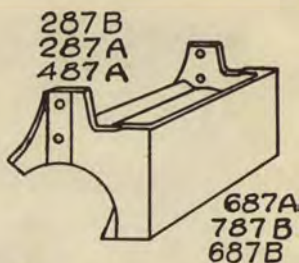
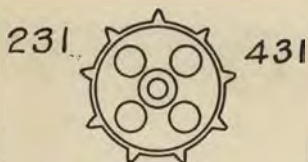
MH5-MA5 OR MK5
RM5



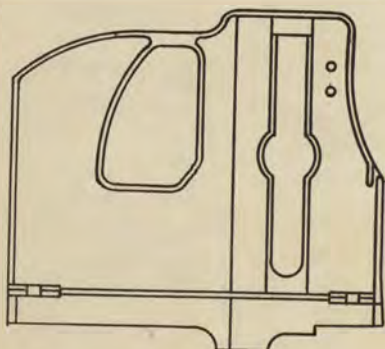
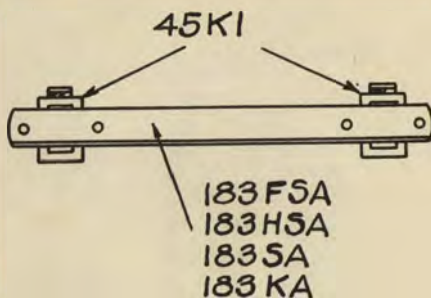
704

M97A-KM97-697A
RM97-M97

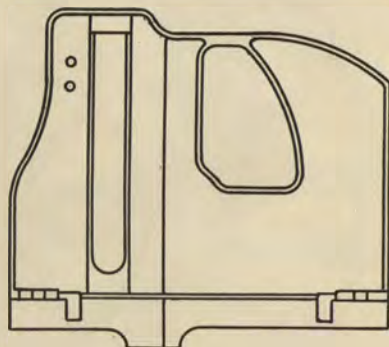
PLATE G



RM18



221B - 421B - 621A OR
221C - 721B - 621B



220B - 420B - 620A OR
220C - 720B - 620B

PLATE H

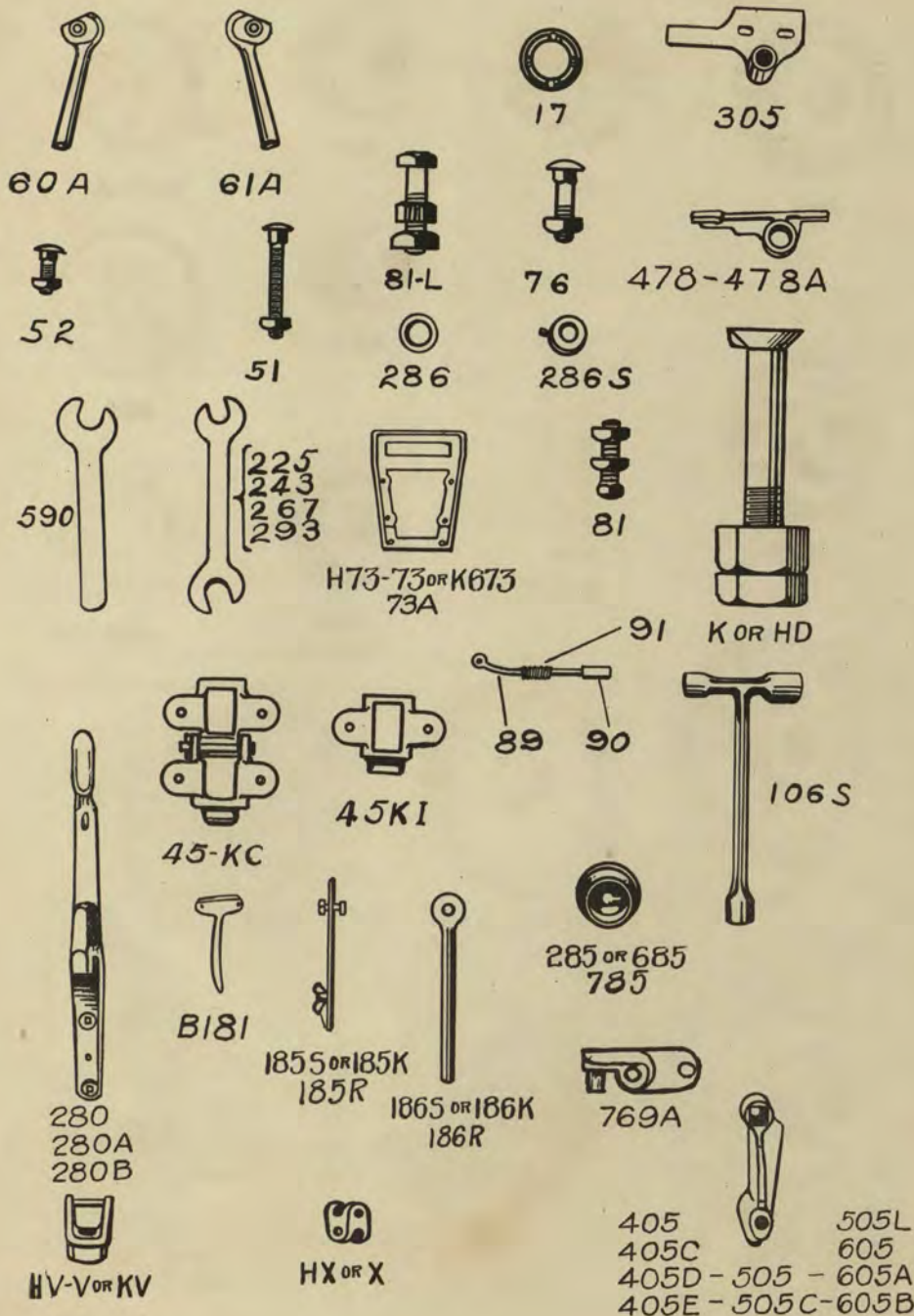
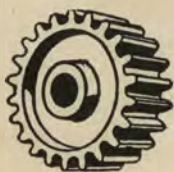


PLATE J



639



541



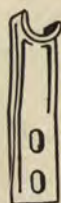
692



D-67-A



690



665
635 A



610



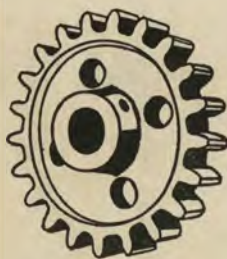
667



641
641 A



600



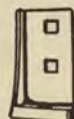
603



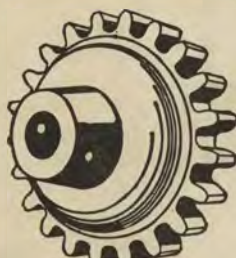
638-634-632
638 A 634 A 632 A



582



664
664 A



602



637
637 A



636 638
636 A 635 A

PAPEC

FEED MACHINERY

FEED AND ROUGHAGE MILLS

With a Papec Hammer Type Feed Mill on your farm you can make rations that will reduce and perhaps eliminate your commercial feed bill. Your feed is ground exactly the way you want it, when you want it and at a real saving over the cost of hauling grain to mill. Every Papec Mill will handle bulky crops as well as the small grains because every Papec is equipped with governor-controlled, self-feed rolls. There is a Papec size and model to meet your exact requirements whether you use a 7½ H. P. motor or a 15-30 tractor.

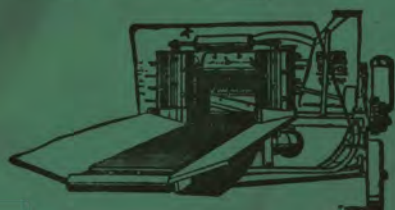
HALF TON FEED MIXER

A Papec half ton batch mixer will prepare your rations a whole lot easier, cheaper and better than you can do the job in any other way. Delivered to you completely assembled ready to go to work. Operates with 3 H. P. engine or motor. One owner writes, "We selected a Papec Mixer because it involved a very small investment, was easily installed, required little room and because our experience with a Papec Ensilage Cutter and a Papec Feed Grinder had been very satisfactory."

HAY CHOPPER-SILO FILLERS

The Papec Hay Chopper-Silo Filler is made in two sizes. The larger size is made with two types of feeder, single-roll and three-roll as illustrated below. With it you can chop and store your hay cheaper, easier and faster than long hay can be stored. Without any change or adjustment it puts up your silage just as efficiently as a standard Papec Ensilage Cutter. Many operators also use their choppers to cut and store straw just as it comes from the thresher. The feeding device is not an "attachment." It cannot be supplied for silage cutters already in use.

For further information on any of these Papec machines, write us or see your authorized Papec dealer.



TELEGRAPHIC CODES

CODE FOR ORDERING MACHINES AND EXTRAS

Rage	Ship by first freight to our address.
Rageful	Ship by first freight to.....
Ragrous	Ship by express to our address.
Ragg	Ship by express to.....
Raggle	Ship by express C. O. D. to.....
Ragged	Ship by express the following extras.
Ragweed	Ship by parcel post to our address.
Ragworm	Ship by parcel post to.....
Raystone	Ship by parcel post C. O. D. to.....
Raggy	Shop number of machine is.....
Ragious	Ship by freight the following extras for machine; shop number of machine is.....
Raglan	When can you ship.....?
Ragout	Can you ship at once.....?
Raid	Add the following to our order.
Rail	Send tracer after our shipment of.....
Railing	Shipment has not arrived; duplicate order quick by freight.
Raillery	Shipment has not arrived; duplicate order quick by express.
Railroad	Has order been shipped to.....?
Railway	Prepare to ship quickly..... Instructions will follow by letter.

CODE FOR ACKNOWLEDGING ORDERS

Rain	Can ship at once.
Rainbow	Can ship in three days.
Raindeer	Can ship in one week.
Rainless	Can ship in ten days.
Rainy	Can ship in two weeks.
Raisable	We cannot fill your order.
Raisin	We can fill part of your order; shall we make shipment of what we have?
Rajah	Give us shop number of your machine.
Rajpoot	Shipment was made before we received your instructions.
Raker	Impossible to fill your order in time specified.
Ram	Will ship from factory.

GENERAL CODE

Ramble	Ship machine and charge to our account.
Ramburst	Ship machine and collect yourselves.
Ramart	Immediate reply by wire to.....is necessary.
Ramist	Immediate reply by wire here is necessary.
Rammel	Wire me immediately what to do.
Rammer	Ship to order of.....and draw draft against B. L.
Rammish	Must have cash payment before we can ship.
Ramose	Station has no agent and is a prepay point; shall we prepay freight and charge to your account?
Ramp	Your terms of sale are all right, let them have machine.
Rampage	I expect to be at factory on.....
Rampant	We will be at your place on.....
Rampart	Where do you expect to be on.....?
Rampier	Send us revolutions of your engine and size of drive pulley.