

No. 37

*Illustrated*

**REPAIR PARTS PRICE LIST**  
*and*  
**BOOK OF INSTRUCTIONS**

For Setting Up and Operating



Nos. 400-500-600

**“Blizzard” Ensilage Cutters**  
*and*  
**Hay Choppers**

Please order parts by code and number

**Blizzard Manufacturing Co.** *Since 1874*  
Canton, Ohio

### **BLIZZARD REPAIR SERVICE**

Realizing the importance of prompt service when parts are needed for Blizzard machines, stocks of parts are carried at convenient distributing centers from Coast to Coast.

### **BLIZZARD DISTRIBUTORS**

Blizzard distributors are in position to give the same efficient service as the branch houses of the full line companies, with the added advantage of being home-owned, with every incentive to serve Blizzard users.

### **BLIZZARD DEALERS**

Many retail dealers also carry a stock of Blizzard parts. We appreciate the efforts of any dealer, even if he does not handle Blizzard machines, to give repair service to the Blizzard users in his Community, and such orders are given special attention.

### **BLIZZARD USERS MUST HAVE PROMPT REPAIR SERVICE**

We will be pleased to tell any dealer or Blizzard user the name of the nearest distributor where prompt repair service can be had. However, in case of a breakdown in the midst of the cutting season, frequently rush orders are sent direct to our factory by telegraph, telephone or mail, and we reserve the right to fill these orders direct from the factory, unless quicker service can be given by sending the order to the nearest distributor. When cash is not sent with the order, shipment will be made C. O. D. unless there is a satisfactory Dun & Bradstreet credit rating. Our one aim is to avoid any serious inconvenience or delay to any Blizzard user.

BLIZZARD MANUFACTURING CO.  
Canton, Ohio, U. S. A.

## General Directions

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**SAFETY FIRST.** Blizzard machines are built sturdy, not only for long life but for the utmost safety to those who operate them. Blizzard is the only machine that does not have the dangerous hinged top opening on the blower case—yet the knives can be changed or adjusted quickly and more accurately than on any other machine.

**TESTING.** Every Blizzard machine is thoroughly tested before it leaves our factory, at a speed more than double that recommended for normal use. Blizzard is built for hard use and with reasonable care, will last a life-time.

**SILO FILLING.** For silo filling, set the machine as close to the silo as convenient, so pipe will be as near straight up as possible. Where this is not possible, the adjustable discharge pipe will be found a convenient feature. We recommend anchoring the machine by placing a chain around the yoke which supports the third main bearing, fastening same to a post or stake opposite the drive belt. A brace placed against the blower may cause the fans to strike inside as they are very closely fitted in the case. (See Fig. 1 for adjustable outlet.)

**HAY CHOPPING.** For hay chopping, the pipe can be set at any slant to reach the mow most conveniently—a feature not found on any other machine. The new Blizzard has a most efficient feeding mechanism. With reasonable care in throwing the hay directly from the load onto the feed table, keeping a steady stream going into the machine, it is not necessary to have a man at the feed table. A certain amount of leaves and droppings will naturally accumulate around and under the table, which can occasionally be forked onto the table while machine is being fed from load.

**FEEDING.** To get best results, keep a steady stream of material going through the machine rather than trying to crowd it one minute and then letting the machine run empty. This will save the machine, and accomplish more work.

## I N D E X

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## Directions for Setting Up and Operating Blizzard Ensilage Cutters

Nos. 400 - 500 - 600

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### SETTING UP BLIZZARD

Before leaving our factory, Blizzard machines are assembled as nearly complete as is possible without making them too bulky for carload shipping. Consequently, setting up a Blizzard machine is a very simple matter.

First assemble the steel truck mounting which is interchangeable for all three sizes of Blizzard machines excepting that the channel iron bracket support for the feed table has to be the right size for the machine to be mounted. There are three sets of holes in the angle irons—one for each size machine. The middle holes are for the No. 500 size. In case the new machine is to be mounted on the old style wood frame truck, leg socket castings 4306-S are used for wood legs instead of channel steel bracket.

Next lift the machine with a hoist and place it in position on the truck. Loosen the four bolts that go through wood blocks until after the feed table has been attached and put in place so that the machine can be twisted in the proper position, and then the four main bolts should be tightened up.

After the feed table has been attached, put on the self-feed apron with the upturned edges of the slats TOWARD the machine and connect the apron chain below the table, after which, the adjusting bolt on the rear end of the table should be used to tighten the apron so that it hangs about four inches below the bottom of the feed table sides.

Next, we suggest turning the machine by hand to make sure that everything is working freely before putting on the belt, operating the stop and reverse lever while doing so.

Also see that each bearing is thoroughly lubricated before the machine is put into operation. All new Blizzard machines have the gear case filled with oil so that it requires no attention the first season.

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### OPERATING INSTRUCTIONS

**PUTTING ON THE BELT.** Blizzard is equipped with a third bearing on the main shaft, supported by a heavy steel yoke and the three pins are taken off so as to move the bearing out slightly to slip the belt inside of the yoke. It is not necessary to remove the bearing from the machine. In moving the machine, it is not necessary to take the belt off the pulley, but simply roll it up and lay it on top of the feed table. (See Fig. 2.)

This third bearing insures against the strain of the drive belt affecting the alignment of the knives to the shear plate no matter which way the machine is belted, which is a feature exclusive with the Blizzard.

**LOWER ROLLER ADJUSTMENT.** The two bearings on the lower feed roller are provided with adjustable bearings so as to keep the roller adjusted as close to the shear plate as possible to prevent material from being drawn between. As wear takes place it can be taken up by this adjustment.

**UPPER ROLLER TENSION.** The pressure on the upper feed roll is furnished by a heavy coil spring, which can easily be adjusted as desired. A proper adjustment of this spring insures perfect feeding and also uniform cutting. Only a medium amount of tension is necessary for good work. Before increasing this tension when machine does not feed as freely as when received from factory, see that lower feed roll is properly adjusted, as explained in previous paragraph.

**REVERSE FEED ROLLS.** We recommend that between loads, the feeding mechanism should be reversed to remove any accumulated material between the lower feed roller and shear plate. While waiting between loads, leave feeding mechanism out of gear, to save wear.

**REPLACING SHEAR PLATE.** The Blizzard shear plate is made of special alloy iron with chilled edge, much harder than steel. The cutting edge is also raised so that it can be ground when it becomes worn. Only the top should be ground off to a sharp edge leaving a straight edge for the knives to pass.

When a new shear plate is to replace an old one, the change is easily made. To allow for the wear on the old shear plate where the knives pass, first move back the flywheel with the adjusting screw on the main bearing as shown in Figure 2; otherwise the knives will strike the new full width shear plate. Then release the tension spring on the top roller and either prop up the top roller or it may be removed by taking off the top cheek brace, the spring arms, and the top roll cover. Before putting in the new shear plate, it should be packed with a little moistened cardboard at the end opposite the bolt; and then the shear plate should be thoroughly seated, using a hammer to pound it down in place while the bolt is being tightened, and then the lock nut put on to prevent it from getting loose. The sheet iron guard riveted on the bottom of the shear plate should always be on the OUTSIDE of the blower case. Next move up the flywheel again so the knives will be properly adjusted to the edge of the shear plate and the machine is again ready for work.

**OILING.** All bearings on the new Blizzard machines are equipped with the Alemite Hydraulic Oil fittings, and are easily accessible for pressure guns. Keep all bearings well lubricated. Do not overlook three bearings on sprocket chain side of feeder, which have Alemite fittings ON BOTTOM—all others are on top. There are 19 Alemite fittings on the machine, besides the four on truck wheels. Do not miss any.  
**IMPORTANT.** We recommend using only special grease made for Alemite Fittings. Do not use common cup grease, which hardens in the fittings.

**ELEVATING.** Blizzard has extra large malleable fan blades, fitted closely to housing, and therefore will elevate at lower speed than most machines. It must be remembered, however, that capacity is also affected by lower speed, and directions should be followed for best results.

**BLOWER PIPE.** Blizzard pipe is made with slip joint having a clamp to hold same securely. These joints enable one to regulate the length of the pipe to the exact length needed to reach the opening into the silo and besides being much stronger, it is also much more easily put together. (See Fig. 4.)

**GEAR ADJUSTMENT.** The gears, which are enclosed in dust proof case and run in oil, are provided with adjustment to take up wear by merely turning set-screws to keep them thoroughly in mesh. Two of these set-screws are inside the gear case for adjusting the bevel gears, and a third set-screw is behind the gear case for raising and lowering same to mesh the spur gear to the one on the main shaft. The clutch sleeve, between the two bevel pinions is provided with adjustment. If the clutch slips, give the connecting link a turn or two, so the clutch will be drawn properly against the pinion, using caution, however, not to make it too tight as that will cause unnecessary wear on the shifter fork. (See Fig. 6.)

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## BLIZZARD MANUFACTURING COMPANY

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**SHARP KNIVES.** Keep knives sharp, which is absolutely essential to do good work, and save power. Ordinarily knives should be changed at least once during the day and under certain conditions, oftener.

**CHANGING KNIVES.** When changing knives, only the two large bolts in each knife are removed. Leave the attachments on the wheel, so the adjustment will not be disturbed, but do not run machine until knives are replaced. Never allow knives or tools to be laid on the feed table, as they may be forgotten and cause damage. Blizzard knife attachments are of the segment type and there are no wedges to slip out of adjustment.

**KEEP KNIVES ADJUSTED.** One of the most important features on the Blizzard machine is the knife adjustment, whereby the turning of one set-screw moves the flywheel, together with the knives, to or from the shear plate. This adjusting should be done while the machine is in operation, turning the adjusting screw until the knives are heard to click against the shear plate, and then turning same backward slightly, so the knives will not touch, and the machine will do a perfect job of cutting leaves and husks with sharp knives. (See Fig. 2.)

**END PLAY.** It is important that no end play should be allowed on the main shaft. You will find a set-collar back of the drive pulley, by means of which you can take up the end play and keep your machine in perfect adjustment. (See Fig. 2.)

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### LENGTH OF CUT

Blizzard machines are furnished with the necessary sprockets for cutting three different lengths, viz:  $\frac{3}{8}$ ",  $\frac{1}{2}$ " and  $\frac{3}{4}$ " with the regular three-knife machine. A fourth length is optional in place of any of these three at no extra cost, as indicated below. Unless otherwise specified, all regular three-knife machines are set for  $\frac{1}{2}$ " cut, and special four-knife machines at  $\frac{7}{16}$ ". Only the double drive sprocket is changed for different lengths of cuts, as follows, viz:

#### ON REGULAR THREE-KNIFE MACHINES

| Cut               | Double Drive Sprocket | Apron Drive Chain | Feed Roll Chain |
|-------------------|-----------------------|-------------------|-----------------|
| * $\frac{1}{4}$ " | 4160                  | 16 links          | 24 links        |
| $\frac{3}{8}$ "   | 4166 & 4167           | 17 links          | 25 links        |
| $\frac{1}{2}$ "   | 4159                  | 18 links          | 26 links        |
| $\frac{3}{4}$ "   | 4168 & 4169           | 21 links          | 29 links        |

#### ON SPECIAL FOUR-KNIFE MACHINES

| Cut                | Double Drive Sprocket | Apron Drive Chain | Feed Roll Chain |
|--------------------|-----------------------|-------------------|-----------------|
| * $\frac{3}{16}$ " | 4160                  | 16 links          | 24 links        |
| $\frac{7}{16}$ "   | 4166 & 4167           | 17 links          | 25 links        |
| $\frac{1}{2}$ "    | 4159                  | 18 links          | 26 links        |
| $1\frac{1}{8}$ "   | 4168 & 4169           | 21 links          | 29 links        |

(4168 and 4169 replaces 4161 double sprocket)

NOTE—By using only two knives instead of four, the above lengths would be doubled. When two knives are taken off, be sure to remove the supports and segments before running machine, to avoid damage.

\*Optional length furnished in place of any other length without extra cost.

## SPEED

It is important that the Blizzard should be equipped with the proper size drive pulley to give the correct speed with your power. In most cases our regular size pulley will be found to give satisfactory results, but on account of the wide range in the speed of belt travel on the various makes of engines and tractors, the machine should not be condemned until you are sure that you are operating it at the proper speed. To judge the speed merely by the sound of the machine is sometimes deceiving, therefore a speed indicator should be used to make sure.

BLIZZARD machines have a wider range of speeds at which they give satisfactory results than any other make of cutters, so that it is not necessary to hold exactly to the speed recommended. For instance, 750 R.P.M. is the speed recommended for the No. 500 BLIZZARD, yet it is perfectly safe to run it much faster, while in a test at the University of Wisconsin one of these machines elevated 53 ft. at a speed of 465 R.P.M. with two men pitching bundles into it, which gives some idea of the wide range of speed possible. It must be remembered, however, that speed and length of cut have much to do with the capacity of the machine. Do not expect maximum capacity with minimum speed and power on the shortest cut. Our rated capacities are based on  $\frac{1}{2}$ " length of cut. Excessive speed, on the other hand, is a waste of power and efficiency. In a test at our factory, a No. 500 elevated over 125 ft. at a speed of 800 R.P.M.

|         | Speed Range            | Speed Recommended |
|---------|------------------------|-------------------|
| No. 400 | From 600 to 900 R.P.M. | 800 R.P.M.        |
| No. 500 | From 475 to 900 R.P.M. | 750 R.P.M.        |
| No. 600 | From 450 to 900 R.P.M. | 700 R.P.M.        |

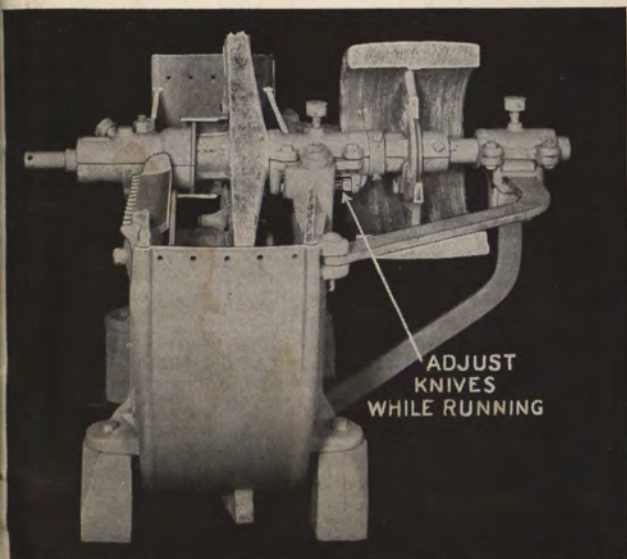


Fig. 2



Fig. 4

## PINS AND WHERE THEY ARE USED

Part No.

|           |                                                                                                                                                                                                                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4230----- | $\frac{1}{4}$ " x $1\frac{5}{8}$ " Groov-Pin<br>2—Lower Gear Bracket Shaft with 4144<br>3—Upper Gear Bracket Shaft<br>1—Paddle Roller Shaft through 4134<br>2—Top Roller Shaft through 4134<br>2—Top Roller Shaft—Top Roller Drive Pins (4091—5091—6091)<br>1—in Lower Roller Shaft connecting 4147 |
| 4231----- | $\frac{1}{4}$ " x $1\frac{3}{4}$ " Linch Pins with Cotters<br>1—in 4157<br>1—in 4165                                                                                                                                                                                                                |
| 4232----- | $\frac{3}{8}$ " x $2\frac{1}{4}$ " Linch Pin with Cotter<br>1—in 4163 Sprocket                                                                                                                                                                                                                      |
| 4233----- | $\frac{5}{16}$ " x $1\frac{3}{4}$ " Linch Pin with Cotter<br>1—4117<br>1—4116<br>1—4164                                                                                                                                                                                                             |
| 4234----- | $\frac{5}{16}$ " x $1\frac{3}{4}$ " Groov-Pin<br>1—in Clutch Sleeve 4118                                                                                                                                                                                                                            |
| 4235----- | $\frac{1}{4}$ " x $1\frac{1}{2}$ " Groov-Pin<br>1—Out End Clutch Shaft through 4113<br>1—Self-Feed Drive Shaft retaining Bearing 4127<br>1—Lower Roller Shaft<br>2—Table Shaft through 4303                                                                                                         |
| 4236----- | $\frac{3}{8}$ " x $1\frac{1}{16}$ " Groov-Pin<br>1—in Bevel Gear Shaft driving Double Sprockets                                                                                                                                                                                                     |
| 4237----- | $\frac{5}{16}$ " x 1" Groov-Pin<br>1—Key Pin in Bevel Gear (4112) to Shaft                                                                                                                                                                                                                          |
| 4238----- | $\frac{1}{4}$ " x 2" Groov-Pin<br>2—Driving Self-Feed Sprockets 4158                                                                                                                                                                                                                                |
| 4239----- | $\frac{5}{16}$ " x 2" Groov-Pin<br>2—in Lower Roller Shaft Driving Lower Roller (4090—5090—6090)                                                                                                                                                                                                    |
| 4240----- | $\frac{1}{4}$ " x $1\frac{3}{4}$ " Groov-Pin<br>1—to Pin 4147 to Lower Roller Shaft                                                                                                                                                                                                                 |
| 4241----- | $\frac{5}{16}$ " x $2\frac{1}{2}$ " Truss Head Rivet<br>1—to 4150                                                                                                                                                                                                                                   |
| 4242----- | $\frac{7}{32}$ " x $1\frac{1}{2}$ " Groov-Pin<br>2—in Table rear Shaft                                                                                                                                                                                                                              |
| 4243----- | $\frac{1}{4}$ " x $2\frac{1}{2}$ " Groov-Pin<br>6—in Axles                                                                                                                                                                                                                                          |

# BLIZZARD MANUFACTURING COMPANY

## BLIZZARD PARTS PRICE LIST

### FLYWHEELS AND PARTS ATTACHING TO SAME

(See Plate A)

Note: All 4000 Series parts fit #400 machine or interchange on all sizes, while 5000 series fit #500 and 6000 series fit only #600 machine.

| Code   | Number | Price   | DESCRIPTION                                                                                         | Used on Machine |     |     | Plate |
|--------|--------|---------|-----------------------------------------------------------------------------------------------------|-----------------|-----|-----|-------|
|        |        |         |                                                                                                     | 400             | 500 | 600 |       |
| Babakt | 4000   | \$38.00 | Three-knife regular flywheel with key-way                                                           | x               |     |     | A     |
| Babanx | 5000   | 48.00   | Three-knife regular flywheel with key-way                                                           |                 | x   |     | A     |
| Babapy | 6000   | 58.00   | Three-knife regular flywheel with key-way                                                           |                 |     | x   | A     |
| Babarz | 5000-S | 48.00   | Four-knife special flywheel with key-way                                                            |                 | x   |     |       |
| Babava | 6000-S | 58.00   | Four-knife special flywheel with key-way                                                            |                 |     | x   |       |
|        |        |         | Note: Above flywheels are Molybdenum Alloy and without knives, fans, etc.                           |                 |     |     |       |
| Babaxi | 4001   | 3.00    | Fan flight (Malleable)                                                                              | x               |     |     | A     |
| Babazu | 5001   | 3.50    | Fan flight (Malleable)                                                                              |                 | x   |     | A     |
| Babbaw | 6001   | 4.00    | Fan flight (Malleable)                                                                              |                 |     | x   | A     |
| Babbex | 4002   | .75     | Knife support                                                                                       | x               | x   |     | A     |
| Babblu | 6002   | .85     | Knife support                                                                                       |                 |     | x   | A     |
| Babboz | 4003   | .50     | Knife segment (Malleable)                                                                           | x               | x   |     | A     |
| Babbub | 6003   | .50     | Knife segment (Malleable)                                                                           |                 |     | x   | A     |
| Babcax | 4004   | 1.00    | Set collar with set-screw on main shaft                                                             | x               |     |     | A     |
| Babcey | 5004   | 1.10    | Set collar with set-screw on main shaft                                                             |                 | x   |     | A     |
| Babchi | 6004   | 1.20    | Set collar with set-screw on main shaft                                                             |                 |     | x   | A     |
| Babciz | 4005   | .90     | Guard collar on flywheel hub                                                                        | x               |     |     | A     |
| Babcle | 5005   | 1.00    | Guard collar on flywheel hub                                                                        |                 | x   | x   | A     |
| Babcob | 4006   | 5.50    | Shredder bar complete with bolts (Malleable)                                                        | x               |     |     | A     |
| Babcru | 5006   | 6.00    | Shredder bar complete with bolts (Malleable)                                                        |                 | x   |     | A     |
| Babcuc | 6006   | 7.00    | Shredder bar complete with bolts (Malleable)                                                        |                 |     | x   | A     |
| Babday | 4007   | 5.00    | Main or flywheel shaft, 1 $\frac{1}{4}$ " x 33 $\frac{1}{4}$ "                                      | x               |     |     | A     |
| Babdez | 5007   | 5.50    | Main or flywheel shaft, 1 $\frac{1}{4}$ " x 35 $\frac{1}{4}$ "                                      |                 | x   |     | A     |
| Babdiß | 6007   | 6.00    | Main or flywheel shaft, 1 $\frac{1}{4}$ " x 36 $\frac{1}{2}$ "                                      |                 |     | x   | A     |
| Babdoc | 4008   | .40     | Knife bolt with nuts (5 $\frac{1}{8}$ " x 6 $\frac{1}{4}$ ")                                        | x               | x   |     | A     |
| Babdud | 6008   | .50     | Knife bolt with nuts (3 $\frac{1}{4}$ " x 7")                                                       |                 |     | x   | A     |
| Baberß |        | .10     | Knife bolt nut 5 $\frac{1}{8}$ ", and jam nut, per pr.                                              | x               | x   |     | A     |
| Babesc |        | .10     | Knife bolt nut 3 $\frac{1}{4}$ ", and jam nut, per pr.                                              |                 |     | x   | A     |
| Babeve | 4009   | .25     | Shredder bar bolt (5 $\frac{1}{8}$ " x 4 $\frac{1}{4}$ ")                                           | x               | x   | x   | A     |
|        |        |         | <b>KNIVES</b>                                                                                       |                 |     |     |       |
| Babexo | 4010   | 3.75    | Knife with tool steel edge (Patented)                                                               | x               |     |     | A     |
| Babeza | 5010   | 4.00    | Knife with tool steel edge (Patented)                                                               |                 | x   |     | A     |
| Babfaz | 6010   | 5.00    | Knife with tool steel edge (Patented)                                                               |                 |     | x   | A     |
| Babfel | 4011   | 2.50    | Counter balance weight complete with bolts                                                          | x               |     |     | A     |
| Babfic | 5011   | 3.00    | Counter balance weight complete with bolts                                                          |                 | x   |     | A     |
| Babfod | 6011   | 3.50    | Counter balance weight complete with bolts                                                          |                 |     | x   | A     |
|        |        |         | <b>BLOWER CASE PARTS</b><br>(See Plates B and C)<br>(Front means pulley side—Rear, feed table side) |                 |     |     |       |
| Babfra | 4030   | 20.00   | Front side case plate casting                                                                       | x               |     |     | B     |
| Babfuf | 5030   | 25.00   | Front side case plate casting                                                                       |                 | x   |     | B     |
| Babgab | 6030   | 30.00   | Front side case plate casting                                                                       |                 |     | x   | B     |
| Babgec | 4031   | 20.00   | Rear side case plate casting                                                                        | x               |     |     | C     |
| Babgid | 5031   | 25.00   | Rear side case plate casting                                                                        |                 | x   |     | C     |
| Babgli | 6031   | 30.00   | Rear side case plate casting                                                                        |                 |     | x   | C     |
| Babgof | 4032   | 2.50    | Rear main bearing (Babbitted) top half                                                              | x               |     |     | C     |
| Babgug | 5032   | 2.75    | Rear main bearing (Babbitted) top half                                                              |                 | x   |     | C     |
| Babhac | 6032   | 3.00    | Rear main bearing (Babbitted) top half                                                              |                 |     | x   | C     |
| Babhed | 4033   | 2.50    | Rear main bearing (Babbitted) bottom half                                                           | x               |     |     | C     |
| Babhif | 5033   | 2.75    | Rear main bearing (Babbitted) bottom half                                                           |                 | x   |     | C     |
| Babhog | 6033   | 3.00    | Rear main bearing (Babbitted) bottom half                                                           |                 |     | x   | C     |

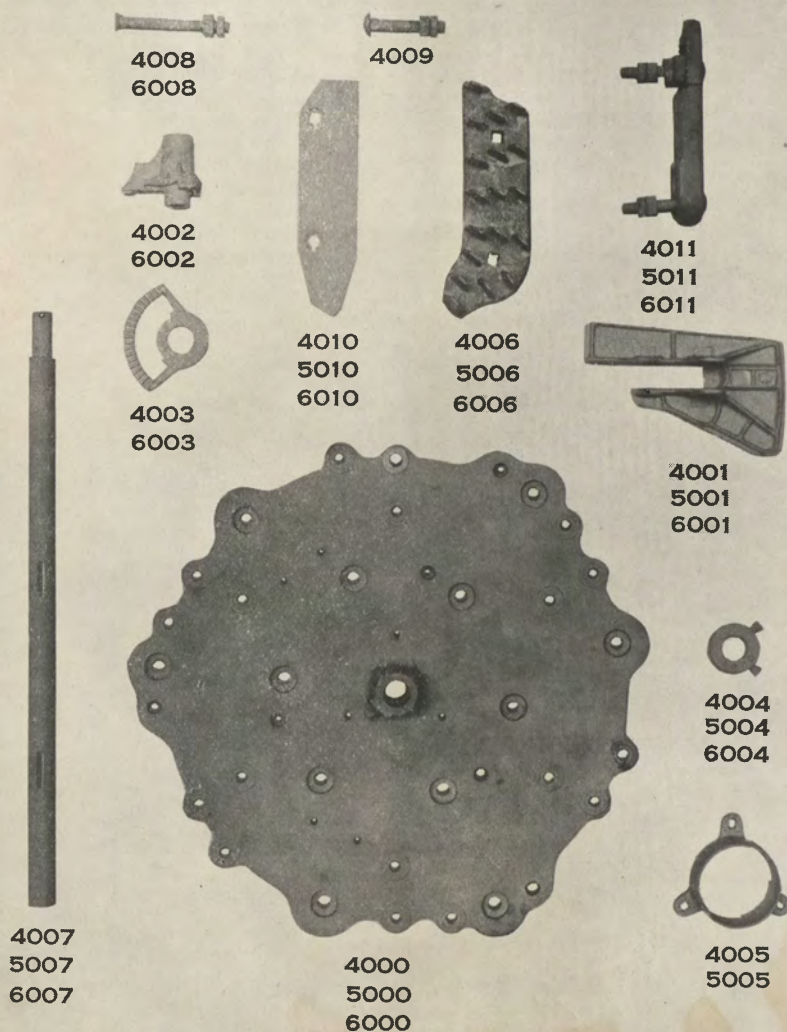


Plate A

# BLIZZARD MANUFACTURING COMPANY

| Code                        | Number | Price | DESCRIPTION                                                                                | Used on Machine |     |     | Plate |
|-----------------------------|--------|-------|--------------------------------------------------------------------------------------------|-----------------|-----|-----|-------|
|                             |        |       |                                                                                            | 400             | 500 | 600 |       |
| Babhuh                      | 4034   | 2.50  | Front main bearing (Babbitted) top half----                                                | x               | --- | --- | B     |
| Babigs                      | 5034   | 2.75  | Front main bearing (Babbitted) top half----                                                | ---             | x   | --- | B     |
| Babinz                      | 6034   | 3.00  | Front main bearing (Babbitted) top half----                                                | ---             | --- | x   | B     |
| Babirc                      | 4035   | 2.50  | Front main bearing (Babbitted) bottom half----                                             | x               | --- | --- | B     |
| Babixu                      | 5035   | 2.75  | Front main bearing (Babbitted) bottom half----                                             | ---             | x   | --- | B     |
| Babize                      | 6035   | 3.00  | Front main bearing (Babbitted) bottom half<br>(Third main bearing is on outside of pulley) | ---             | --- | x   | B     |
| Babjad                      | 4036   | 2.50  | Third main bearing (Babbitted) top half----                                                | x               | --- | --- | B     |
| Babjef                      | 5036   | 2.75  | Third main bearing (Babbitted) top half----                                                | ---             | x   | --- | B     |
| Babjig                      | 6036   | 3.00  | Third main bearing (Babbitted) top half----                                                | ---             | --- | x   | B     |
| Babjoh                      | 4037   | 2.50  | Third main bearing (Babbitted) bottom half----                                             | x               | --- | --- | B     |
| Babkaf                      | 5037   | 2.75  | Third main bearing (Babbitted) bottom half----                                             | ---             | x   | --- | B     |
| Babkeg                      | 6037   | 3.00  | Third main bearing (Babbitted) bottom half----                                             | ---             | --- | x   | B     |
| Babkih                      | 4038   | .25   | Washer for front bearing-----                                                              | x               | x   | x   | B     |
| Babkoi                      | 4039   | 1.25  | Grate guard for case (1925 model only)-----                                                | x               | --- | --- | C     |
| Babkuk                      | 5039   | 1.50  | Grate guard for case (1925 model only)-----                                                | ---             | x   | --- | C     |
| <b>SHEAR PLATES</b>         |        |       |                                                                                            |                 |     |     |       |
| Bablag                      | 4047   | 3.50  | Shear plate -----                                                                          | x               | --- | --- | C     |
| Bableh                      | 5047   | 4.00  | Shear plate -----                                                                          | ---             | x   | --- | C     |
| Bablio                      | 6047   | 4.50  | Shear plate -----                                                                          | ---             | --- | x   | C     |
| Bablok                      | 4048   | 7.00  | Outlet casting (Malleable) -----                                                           | x               | --- | --- | C     |
| Bablul                      | 5048   | 7.50  | Outlet casting (Malleable) -----                                                           | ---             | x   | --- | C     |
| Babmah                      | 6048   | 8.00  | Outlet casting (Malleable) -----                                                           | ---             | --- | x   | C     |
| Babmik                      | 4049   | 1.00  | Guard casting for outlet (Malleable)-----                                                  | x               | --- | --- | C     |
| Babmol                      | 5049   | 1.20  | Guard casting for outlet (Malleable)-----                                                  | ---             | x   | --- | C     |
| Babmum                      | 6049   | 1.40  | Guard casting for outlet (Malleable)-----                                                  | ---             | --- | x   | C     |
| Babofs                      | 4050   | .75   | Rim hinge, plain part (Malleable)-----                                                     | x               | --- | --- | C     |
| Babogt                      | 5050   | 1.00  | Rim hinge, plain part (Malleable)-----                                                     | ---             | x   | --- | C     |
| Babord                      | 6050   | 1.25  | Rim hinge, plain part (Malleable)-----                                                     | ---             | --- | x   | C     |
| Babovo                      | 4051   | .75   | Rim hinge, hook part (Malleable)-----                                                      | x               | --- | --- | C     |
| Baboxa                      | 5051   | 1.00  | Rim hinge, hook part (Malleable)-----                                                      | ---             | x   | --- | C     |
| Babozi                      | 6051   | 1.25  | Rim hinge, hook part (Malleable)-----                                                      | ---             | --- | x   | C     |
| Babpak                      | 4052   | 1.25  | Rim clamp casting (Malleable)-----                                                         | x               | --- | --- | C     |
| Babpel                      | 5052   | 1.50  | Rim clamp casting (Malleable)-----                                                         | ---             | x   | --- | C     |
| Babphu                      | 6052   | 1.75  | Rim clamp casting (Malleable)-----                                                         | ---             | --- | x   | C     |
| Babpim                      | 4053   | .10   | Outlet collar lug-----                                                                     | x               | x   | x   | C     |
| Babplo                      | 4054   | .15   | Outlet collar latch-----                                                                   | x               | x   | x   | C     |
| Babpon                      | 4055   | 1.00  | Rear case plate door (Sheet steel)-----                                                    | x               | --- | --- | C     |
| Babpup                      | 5055   | 1.25  | Rear case plate door (Sheet steel)-----                                                    | ---             | x   | --- | C     |
| Babral                      | 6055   | 1.50  | Rear case plate door (Sheet steel)-----                                                    | ---             | --- | x   | C     |
| Babrem                      | 4056   | .50   | Front case plate door-----                                                                 | x               | x   | x   | B     |
| Babrin                      | 4057   | .75   | Rear case plate door (1925 model only)-----                                                | x               | --- | --- | C     |
| Babrop                      | 5057   | 1.00  | Rear case plate door (1925 model only)-----                                                | ---             | x   | --- | C     |
| Babrur                      | 4058   | .40   | Hand hole door in rear of case plate-----                                                  | x               | x   | x   | C     |
| <b>STEEL RIMS AND PARTS</b> |        |       |                                                                                            |                 |     |     |       |
| Babsam                      | 4059   | 3.00  | Top half rim (Steel plate)-----                                                            | x               | --- | --- | C     |
| Babsbu                      | 5059   | 4.00  | Top half rim (Steel plate)-----                                                            | ---             | x   | --- | C     |
| Babsen                      | 6059   | 5.00  | Top half rim (Steel plate)-----                                                            | ---             | --- | x   | C     |
| Babsip                      | 4060   | 6.00  | Bottom half rim (Steel plate)-----                                                         | x               | --- | --- | C     |
| Babsor                      | 5060   | 7.00  | Bottom half rim (Steel plate)-----                                                         | ---             | x   | --- | C     |
| Babsus                      | 6060   | 8.00  | Bottom half rim (Steel plate)-----                                                         | ---             | --- | x   | C     |
| Babtan                      | 4061   | 4.00  | Outlet collar with door and chain complete<br>for 7" blower pipe-----                      | x               | --- | --- | C     |
| Babtep                      | 5061   | 4.50  | Outlet collar with door and chain complete<br>for 7" blower pipe-----                      | ---             | x   | --- | C     |
| Babthe                      | 6061   | 5.00  | Outlet collar with door and chain complete<br>for 7" blower pipe-----                      | ---             | --- | x   | C     |
| Babtir                      | 4062   | 25.00 | Steel rim complete with outlet collar-----                                                 | x               | --- | --- |       |
| Babtos                      | 5062   | 30.00 | Steel rim complete with outlet collar-----                                                 | ---             | x   | --- |       |
| Babtut                      | 6062   | 35.00 | Steel rim complete with outlet collar-----                                                 | ---             | --- | x   |       |

BLIZZARD MANUFACTURING COMPANY

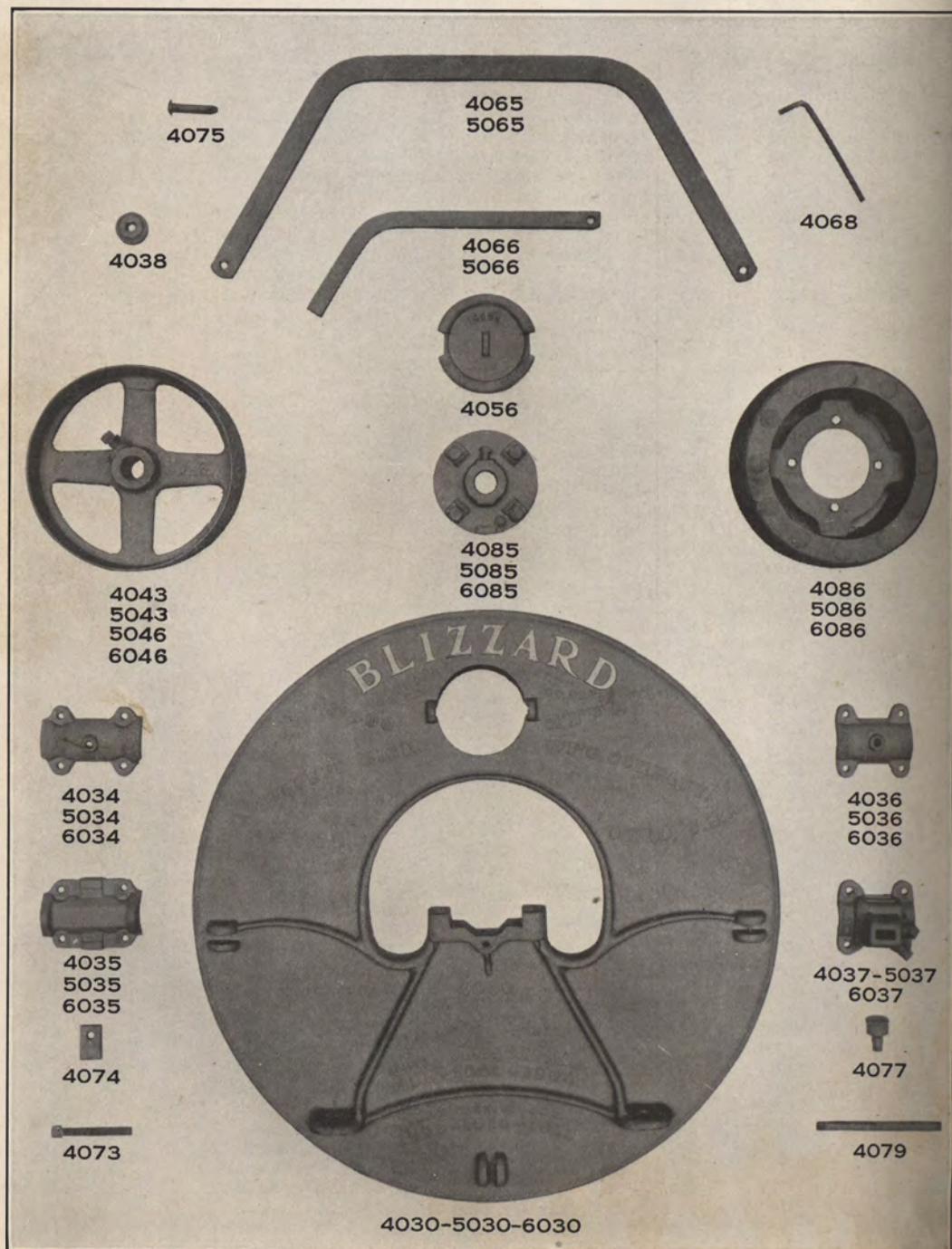
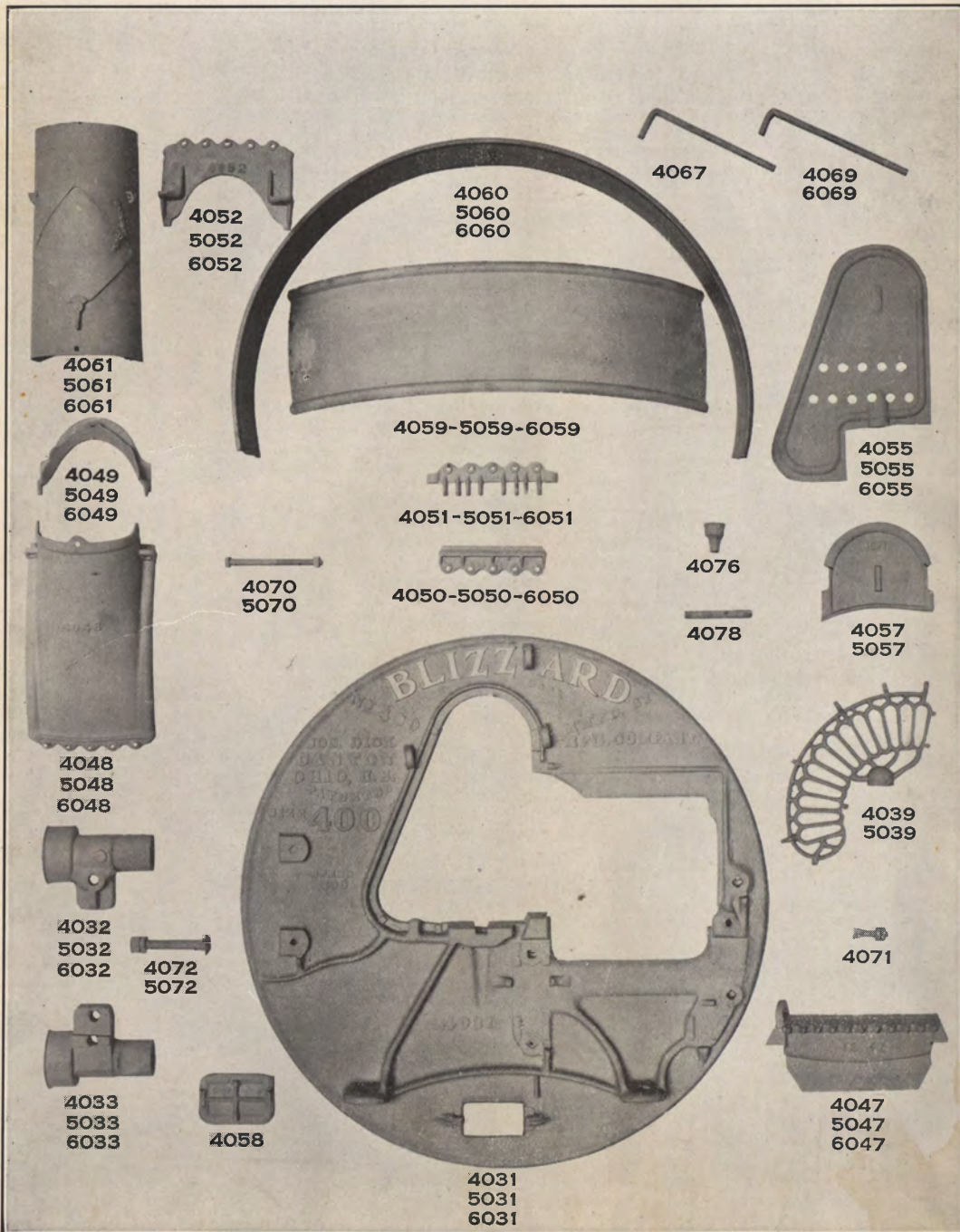


Plate B

# BLIZZARD MANUFACTURING COMPANY

| Code                                            | Number | Price | DESCRIPTION                                                                              | Used on Machine |     |     | Plate |
|-------------------------------------------------|--------|-------|------------------------------------------------------------------------------------------|-----------------|-----|-----|-------|
|                                                 |        |       |                                                                                          | 400             | 500 | 600 |       |
| BAR STEEL PARTS ON BLOWER CASE                  |        |       |                                                                                          |                 |     |     |       |
| Babuds                                          | 4065   | 3.00  | Third main bearing long brace-----                                                       | x               | --- | --- | B     |
| Babuft                                          | 5065   | 3.25  | Third main bearing long brace-----                                                       | ---             | x   | x   | B     |
| Babuky                                          | 4066   | 1.00  | Third main bearing short brace-----                                                      | x               | --- | --- | B     |
| Babulz                                          | 5066   | 1.00  | Third main bearing short brace-----                                                      | ---             | x   | x   | B     |
| Babumb                                          | 4067   | .25   | Rear case door rod for 4057 and 5057 (1925 only)-----                                    | x               | x   | --- | C     |
| Babunc                                          | 4068   | .25   | Front case door rod-----                                                                 | x               | x   | x   | B     |
| Baburf                                          | 4069   | .30   | Rear case door rod for 4055 and 5055-----                                                | x               | x   | --- | C     |
| Babuth                                          | 6069   | .30   | Rear case door rod for 6055-----                                                         | ---             | --- | x   | C     |
| BOLTS AND SCREWS ON BLOWER                      |        |       |                                                                                          |                 |     |     |       |
| Babuvu                                          | 4070   | .15   | Clamp bolt for steel rim-----                                                            | x               | --- | --- | C     |
| Babuxe                                          | 5070   | .15   | Clamp bolt for steel rim-----                                                            | ---             | x   | x   | C     |
| Babuzo                                          | 4071   | .25   | Shear plate bolt-----                                                                    | x               | x   | x   | C     |
| Babvap                                          | 4072   | .25   | Rear main bearing bolt-----                                                              | x               | --- | --- | C     |
| Babver                                          | 5072   | .25   | Rear main bearing bolt-----                                                              | ---             | x   | x   | C     |
| Babvis                                          | 4073   | .25   | Flywheel adjusting screw on main bearing-----                                            | x               | x   | x   | B     |
| Babvot                                          | 4074   | .25   | Flywheel adjusting screw nut on main bearing-----                                        | x               | x   | x   | B     |
| Babvuv                                          | 4075   | .15   | Button head pin for third main bearing braces-----                                       | x               | x   | x   | B     |
| GREASE CUPS                                     |        |       |                                                                                          |                 |     |     |       |
| Babwar                                          | 4076   | .25   | Grease cup on main bearing, female-----                                                  | x               | x   | x   | C     |
| Babwes                                          | 4077   | .25   | Grease cup on main bearing, male-----                                                    | x               | x   | x   | B     |
| Babwit                                          | 4078   | .15   | Grease cup pipe nipple, short-----                                                       | x               | x   | x   | C     |
| Babwov                                          | 4079   | .20   | Grease cup pipe nipple, long-----                                                        | x               | x   | x   | B     |
| Babyat                                          | 4080   | .10   | Spring lift oil cup-----                                                                 | x               | x   | x   |       |
| ROCKWOOD FIBER PULLEYS AND HUBS                 |        |       |                                                                                          |                 |     |     |       |
| Babyev                                          | 4085   | 2.00  | Pulley hub only for 1 $\frac{1}{4}$ " shaft-----                                         | x               | --- | --- | B     |
| Babyox                                          | 5085   | 2.00  | Pulley hub only for 1 $\frac{1}{4}$ " shaft-----                                         | ---             | x   | --- | B     |
| Babyuy                                          | 6085   | 2.00  | Pulley hub only for 1 $\frac{1}{4}$ " shaft-----                                         | ---             | --- | x   | B     |
| Note: Hubs with keyway unless specified.        |        |       |                                                                                          |                 |     |     |       |
| Babzav                                          | 4086   | 11.00 | Rockwood pulley, less hub, 12" dia. x 7" face-----                                       | x               | x   | x   | B     |
| Babzew                                          | 5086   | 12.00 | Rockwood pulley, less hub, 13" dia. x 7" face-----                                       | x               | x   | x   | B     |
| Babzix                                          | 6086   | 14.00 | Rockwood pulley, less hub, 14" dia. x 8" face-----                                       | x               | x   | x   | B     |
| Babzoy                                          | 4088   | 16.00 | Rockwood pulley, less hub, 16" dia. x 8" face-----                                       | x               | x   | x   | B     |
| Babzuz                                          | 4089   | 18.00 | Rockwood pulley, less hub, 18" dia. x 8" face-----<br>(Larger Rockwood pulleys, special) | x               | x   | x   | B     |
| FEEDING MECHANISM PARTS<br>(See Plates D and E) |        |       |                                                                                          |                 |     |     |       |
| Bacagt                                          | 4090   | 6.00  | Lower feed roller-----                                                                   | x               | --- | --- | E     |
| Bacaly                                          | 5090   | 6.50  | Lower feed roller-----                                                                   | ---             | x   | --- | E     |
| Bacave                                          | 6090   | 7.00  | Lower feed roller-----                                                                   | ---             | --- | x   | E     |
| Bacaxo                                          | 4091   | 5.00  | Upper feed roller-----                                                                   | x               | --- | --- | E     |
| Bacaza                                          | 5091   | 5.50  | Upper feed roller-----                                                                   | ---             | x   | --- | E     |
| Bacbaz                                          | 6091   | 6.00  | Upper feed roller-----                                                                   | ---             | --- | x   | E     |
| Bacbeb                                          | 4092   | 1.50  | Plain roller idler on bevel gear shaft-----                                              | x               | --- | --- | E     |
| Bacbic                                          | 5092   | 1.75  | Plain roller idler on bevel gear shaft-----                                              | ---             | x   | --- | E     |
| Bacbod                                          | 6092   | 2.00  | Plain roller idler on bevel gear shaft-----                                              | ---             | --- | x   | E     |
| Bacbno                                          | 4093   | 3.00  | Bottom spacer plate between cheeks-----                                                  | x               | --- | --- | E     |
| Bachuf                                          | 5093   | 3.25  | Bottom spacer plate between cheeks-----                                                  | ---             | x   | --- | E     |
| Baccab                                          | 6093   | 3.50  | Bottom spacer plate between cheeks-----                                                  | ---             | --- | x   | E     |
| Baccecc                                         | 4094   | 1.00  | Top spacer plate between cheeks-----                                                     | x               | --- | --- | E     |
| Baccid                                          | 5094   | 1.10  | Top spacer plate between cheeks-----                                                     | ---             | x   | --- | E     |
| Baccof                                          | 6094   | 1.25  | Top spacer plate between cheeks-----                                                     | ---             | --- | x   | E     |
| Baccug                                          | 4095   | 2.00  | Top roller cover-----                                                                    | x               | --- | --- | E     |
| Bacdac                                          | 5095   | 2.25  | Top roller cover-----                                                                    | ---             | x   | --- | E     |
| Bacded                                          | 6095   | 2.75  | Top roller cover-----                                                                    | ---             | --- | x   | E     |
| Bacdif                                          | 4100   | 12.00 | Inside cheek, left-----                                                                  | x               | x   | x   | D     |
| Bacdog                                          | 4101   | 12.00 | Outside cheek, right-----                                                                | x               | x   | x   | E     |

## BLIZZARD MANUFACTURING COMPANY



## Plate C

# BLIZZARD MANUFACTURING COMPANY

| Code                   | Number | Price | DESCRIPTION                                                                                                                       | Used on Machine |     |     | Plate |
|------------------------|--------|-------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------|-----|-----|-------|
|                        |        |       |                                                                                                                                   | 400             | 500 | 600 |       |
| GEAR HOUSING AND PARTS |        |       |                                                                                                                                   |                 |     |     |       |
| Bacdra                 | 4102   | 10.00 | Gear housing, old style-----                                                                                                      | x               | x   | x   | D     |
| Bacduh                 | 4103   | 7.00  | Gear housing cover, old style-----                                                                                                | x               | x   | x   | D     |
| Baceds                 | 4104   | 2.50  | Gear housing cover (Bottom part), old style                                                                                       | x               | x   | x   | D     |
| Baceft                 | 4102-N | 10.00 | Gear housing, new style-----                                                                                                      | x               | x   | x   | F     |
| Baceky                 | 4103-N | 5.00  | Gear housing cover, new style (Pressed steel)<br>Note: 4102-N and 4103-N as a unit can be<br>used to replace Nos. 4102-4103-4104. | x               | x   | x   | F     |
| Bacelz                 | 4105   |       | Discontinued. Replaced with 4106-----                                                                                             | x               | x   | x   | E     |
| Bacemb                 | 4106   | 2.50  | Paddle roll chain guard—steel stamping----                                                                                        | x               | x   | x   | F     |
| Bacenc                 | 4107   | .50   | Cover for 4106 guard, steel stamping-----                                                                                         | x               | x   | x   | F     |
| Bacerf                 | 4108   | .80   | Clutch shaft bracket (Left)-----                                                                                                  | x               | x   | x   | D     |
| Baceth                 | 4109   | 1.00  | Clutch shaft bracket (Right)-----                                                                                                 | x               | x   | x   | D     |
| Bacevi                 | 4110   | .50   | Adjusting pad for clutch shaft brackets-----                                                                                      | x               | x   | x   | D     |
| Bacexu                 | 4111   | .90   | Clutch shaft bearing-----                                                                                                         | x               | x   | x   | D     |
| Baceze                 | 4112   | 3.50  | Large bevel gear-----                                                                                                             | x               | x   | x   | D     |
| Bacfad                 | 4113   | .05   | Clutch shaft washer-----                                                                                                          | x               | x   | x   | D     |
| Bacfef                 | 4114   | 1.75  | Bevel pinion (Forward)-----                                                                                                       | x               | x   | x   | D     |
| Bacfig                 | 4115   | 1.75  | Bevel pinion (Reverse)-----                                                                                                       | x               | x   | x   | D     |
| Bacfoh                 | 4116   | 1.25  | Spur gear on main shaft-----                                                                                                      | x               | x   | x   | D     |
| Bacfru                 | 4117   | 3.00  | Spur gear on clutch shaft-----                                                                                                    | x               | x   | x   | D     |
| Bacfue                 | 4118   | 1.25  | Clutch sleeve-----                                                                                                                | x               | x   | x   | D     |
| Bacgaf                 | 4119   | .80   | Clutch fork-----                                                                                                                  | x               | x   | x   | D     |
| Bacgeg                 | 4120   | .60   | Clutch crank arm, short (1925 only)-----                                                                                          | x               | x   |     | D     |
| Bacgih                 | 4121   | .70   | Clutch crank arm, long (1925 only)-----                                                                                           | x               | x   |     | D     |
| Bacgoi                 | 4122   | .65   | Eccentric washer (1925 only)-----                                                                                                 | x               | x   |     | E     |
| Bacguk                 | 4124   | 1.00  | Bevel gear cross shaft bearing (Right) (with<br>Alemite fitting on bottom)-----                                                   | x               | x   | x   | E     |
| Bachag                 | 4125   | 1.00  | Bevel gear cross shaft bearing (Left)-----                                                                                        | x               | x   | x   | D     |
| Bacbeh                 | 4125-N | 1.00  | Bevel gear cross shaft bearing (Left) Alemite                                                                                     | x               | x   | x   | D     |
| Bachio                 | 4126   | 1.25  | Lower roller and apron drive shaft bearing<br>(Right) with Alemite fittings on bottom-----                                        | x               | x   | x   | E     |
| Bachok                 | 4127   | 1.35  | Lower roller and apron drive shaft bearing<br>(Left) with Alemite fitting-----                                                    | x               | x   | x   | D     |
| Bachul                 | 4128 } | 2.75  | Top roll and paddle roll bearings and arm. complete (Right) -----                                                                 | x               | x   | x   | E     |
|                        | 4132 } |       |                                                                                                                                   |                 |     |     |       |
|                        | 4175 } |       |                                                                                                                                   |                 |     |     |       |
| Bacics                 | 4129 } | 2.75  | Top roll and paddle roll bearings and arm. complete (Left) -----                                                                  | x               | x   | x   | D     |
|                        | 4131 } |       |                                                                                                                                   |                 |     |     |       |
|                        | 4175 } |       |                                                                                                                                   |                 |     |     |       |
| Bacilb                 | 4130   | .20   | Top roller shaft guide roller-----                                                                                                | x               | x   | x   | D     |
| Bacind                 | 4133   | 1.75  | Paddle roll end plate (Right) for wood<br>paddles -----                                                                           | x               | x   | x   | E     |
| Bacirg                 | 4134   | 1.75  | Paddle roll end plate (Left) for wood paddles                                                                                     | x               | x   | x   | D     |
| Bacish                 | 4133-N | 1.75  | Paddle roll end plate (Right) for steel<br>paddles -----                                                                          | x               | x   | x   | F     |
| Bacivo                 | 4134-N | 1.75  | Paddle roll end plate (Left) for steel paddle                                                                                     | x               | x   | x   | F     |
| Bacixa                 | 4137   | .50   | Roller in lower spacer plate (4093-5093-6093)                                                                                     | x               | x   | x   | E     |
| Bacjah                 | 4138   | .60   | Top roller spring tension arm (Right)-----                                                                                        | x               | x   | x   | E     |
| Bacjik                 | 4139   | .60   | Top roller spring tension arm (Left)-----                                                                                         | x               | x   | x   | E     |
| Bacjol                 | 4140   | .60   | Top roller tension spring sleeve-----                                                                                             | x               | x   | x   | E     |
| Bacjum                 | 4141   | .25   | Chain shield clip (Malleable)-----                                                                                                | x               | x   | x   | E     |
| Backai                 | 4142   | 2.50  | Roller gear case bracket-----                                                                                                     | x               | x   | x   | D     |
| Backek                 | 4143   | 2.00  | Roller gear case bracket cover-----                                                                                               | x               | x   | x   | D     |
| Backil                 | 4144   | 1.75  | Lower feed roller gear-----                                                                                                       | x               | x   | x   | D     |
| Backom                 | 4145   | 1.75  | Upper feed roller gear-----                                                                                                       | x               | x   | x   | D     |
| Backun                 | 4146   | .50   | Trunnion bearing on upper roller shaft-----                                                                                       | x               | x   | x   | D     |
| Baclak                 | 4146-N | .60   | Trunnion bearing on upper roller shaft (W.th<br>Alemite fitting) -----                                                            | x               | x   | x   | F     |
| Baclcl                 | 4147   | .40   | Coupling on lower roller shaft (Malleable)---                                                                                     | x               | x   | x   | D     |
| Baclim                 | 4148   | .50   | Round coupling on top roller shaft-----                                                                                           | x               | x   | x   | D     |
| Baclon                 | 4149   | .20   | Coupling nut on top roller shaft-----                                                                                             | x               | x   | x   | D     |
| Baclup                 | 4150   | .80   | Slip joint trunnion on top roller shaft-----                                                                                      | x               | x   | x   | D     |
| Bacmal                 | 4151   | .60   | Clutch crank arm (Short)-----                                                                                                     | x               | x   | x   | D     |

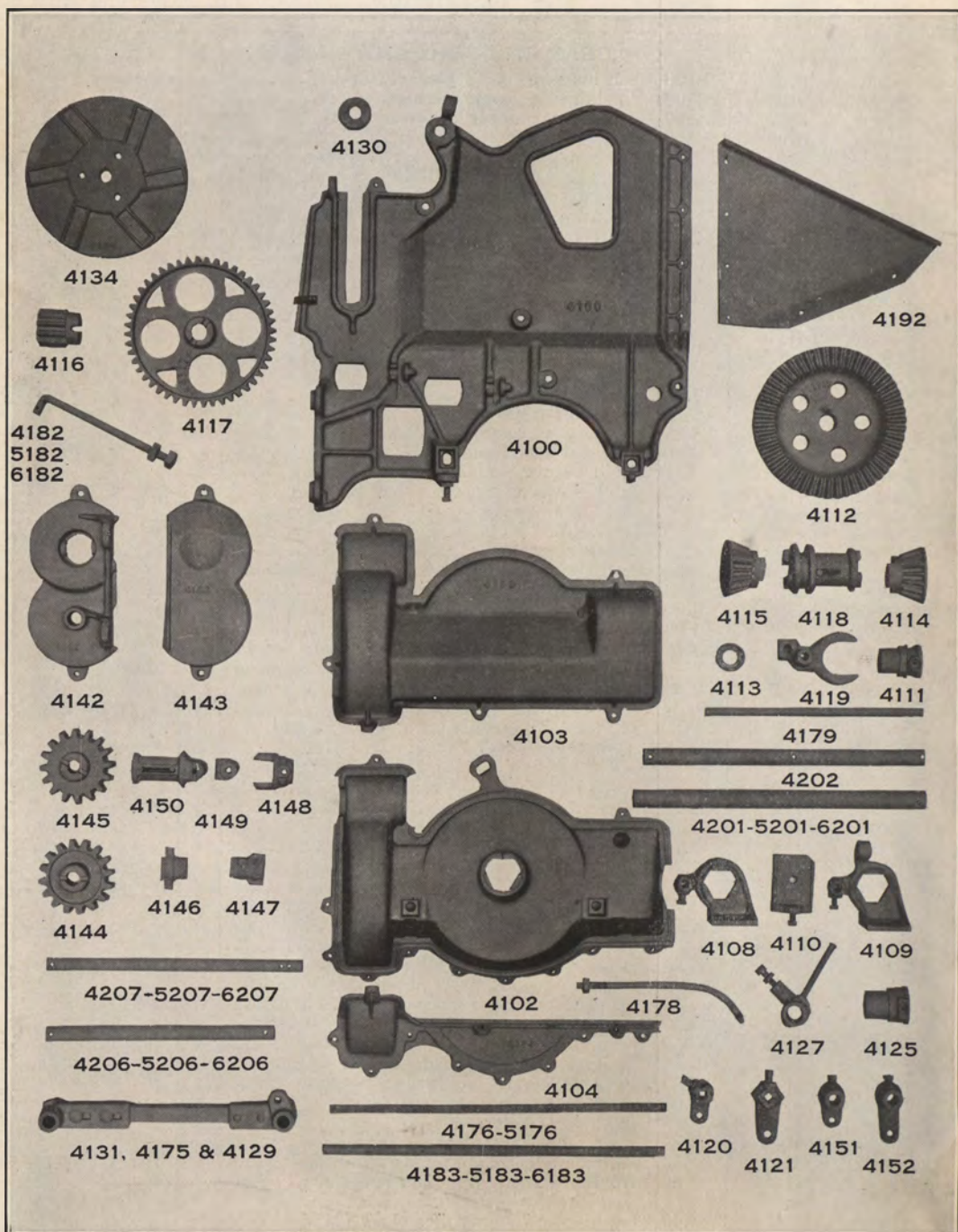


Plate D

# BLIZZARD MANUFACTURING COMPANY

| Code                       | Number | Price | DESCRIPTION                                                                         | Machine<br>Used on |     |     | Plate |
|----------------------------|--------|-------|-------------------------------------------------------------------------------------|--------------------|-----|-----|-------|
|                            |        |       |                                                                                     | 400                | 500 | 600 |       |
| Bacmem                     | 4152   | .70   | Clutch crank arm (Long)-----                                                        | x                  | x   | x   | D     |
| Bacmin                     | 4153   | .65   | Eccentric washer -----                                                              | x                  | x   | x   | E     |
| Bacmop                     | 4156   | 1.00  | Apron drive sprocket—8 tooth—single-----                                            | x                  | x   | x   | E     |
| Bacmur                     | 4157   | 1.00  | Paddle roll drive sprocket—6 tooth—single-----                                      | x                  | x   | x   | E     |
| Bacnor                     | 4158   | 1.25  | Paddle roll drive sprocket—14 tooth—single<br>(1925 model only)-----                | x                  | x   | --- | E     |
| Bacnus                     | 4159   | 2.50  | Double drive sprocket on cross shaft—10<br>tooth -----                              | x                  | x   | x   | E     |
| Bacobs                     | 4160   | 2.00  | Double drive sprocket on cross shaft—6<br>tooth -----                               | x                  | x   | x   | E     |
| Bacoct                     | 4161   |       | Discontinued. See 4168-4169.                                                        |                    |     |     |       |
| Bacohy                     | 4162   | 1.00  | Self feed drive sprocket—9 tooth—single<br>(1925 models only)-----                  | x                  | x   | --- | E     |
| Bacolc                     | 4163   | .90   | Lower roller driven sprocket—8 tooth—<br>single -----                               | x                  | x   | x   | E     |
| Baconf                     | 4164   | .80   | Self feed drive sprocket—7 tooth—single-----                                        | x                  | x   | x   | E     |
| Bacovu                     | 4165   | 1.20  | Paddle roll driven sprocket—12 tooth—single-----                                    | x                  | x   | x   | E     |
| Bacoxe                     | 4166   | 1.25  | Drive sprocket on cross shaft—8 tooth-----                                          | x                  | x   | x   | F     |
|                            | 4167   | 1.25  | Drive sprocket on cross shaft—8 tooth-----<br>(4166 and 4167 form double sprocket)  | x                  | x   | x   | F     |
| Bacoyp                     | 4168   | 1.75  | Drive sprocket on cross shaft—16 tooth-----                                         | x                  | x   | x   | F     |
|                            | 4169   | 1.75  | Drive sprocket on cross shaft—16 tooth-----<br>(4168 and 4169 form double sprocket) | x                  | x   | x   | F     |
| <b>WROUGHT STEEL PARTS</b> |        |       |                                                                                     |                    |     |     |       |
| Bacozo                     | 4174   | .50   | Channel iron facing for paddle roll-----                                            | x                  | --- | --- | E     |
| Bacrap                     | 5174   | .55   | Channel iron facing for paddle roll-----                                            | ---                | x   | --- | E     |
| Bacrer                     | 6174   | .60   | Channel iron facing for paddle roll-----                                            | ---                | --- | x   | E     |
| Bacris                     | 4176   | .40   | Square shifter lever rod (1925 models only)-----                                    | x                  | --- | --- | D     |
| Bacrot                     | 5176   | .50   | Square shifter lever rod (1925 models only)-----                                    | ---                | x   | --- | D     |
| Bacruv                     | 4177   | .30   | Tension spring bar-----                                                             | x                  | --- | --- | E     |
| Bacsar                     | 5177   | .35   | Tension spring bar-----                                                             | ---                | x   | --- | E     |
| Bacsca                     | 6177   | .40   | Tension spring bar-----                                                             | ---                | --- | x   | E     |
| Bacses                     | 4178   | .50   | Shifter fork connecting rod with nut-----                                           | x                  | x   | x   | D     |
| Bacsit                     | 4179   | .20   | Shifter fork slide rod-----                                                         | x                  | x   | x   | D     |
| Bacsov                     | 4180   | .40   | Table hinge rod-----                                                                | x                  | --- | --- | E     |
| Bactet                     | 5180   | .45   | Table hinge rod-----                                                                | ---                | x   | --- | E     |
| Bacthu                     | 6180   | .50   | Table hinge rod-----                                                                | ---                | --- | x   | E     |
| Bactiv                     | 4181   | .35   | Top roller tension spring hook-----                                                 | x                  | x   | x   | E     |
| Bactux                     | 4182   | .50   | Cheek brace rod with nuts-----                                                      | x                  | --- | --- | D     |
| Bacugy                     | 5182   | .55   | Cheek brace rod with nuts-----                                                      | ---                | x   | --- | D     |
| Baculd                     | 6182   | .60   | Cheek brace rod with nuts-----                                                      | ---                | --- | x   | D     |
| Bacung                     | 4183   | .50   | Round shifter lever rod-----                                                        | x                  | --- | --- | D     |
| Bacuph                     | 5183   | .55   | Round shifter lever rod-----                                                        | ---                | x   | --- | D     |
| Bacuva                     | 6183   | .60   | Round shifter lever rod-----                                                        | ---                | --- | x   | D     |
| <b>SHEET STEEL PARTS</b>   |        |       |                                                                                     |                    |     |     |       |
| Bacuxi                     | 4191   | 1.50  | Flare wing between table and cheek, R. H.-----                                      | x                  | x   | x   | E     |
| Baczu                      | 4192   | 1.50  | Flare wing between table and cheek, L. H.-----                                      | x                  | x   | x   | E     |
| Bacvat                     | 4193   | 2.00  | Chain shield with clips complete-----                                               | x                  | x   | x   | E     |
| Bacvev                     | 4194   |       | Discontinued. See 4106-----                                                         | ---                | --- | --- | E     |
| <b>SHAFTING</b>            |        |       |                                                                                     |                    |     |     |       |
| Bacvox                     | 4201   | 2.00  | Cross or bevel gear shaft with pins—<br>1 $\frac{3}{16}$ " x 19"-----               | x                  | --- | --- | D     |
| Bacvuv                     | 5201   | 2.25  | Cross or bevel gear shaft with pins—<br>1 $\frac{3}{16}$ " x 21"-----               | ---                | x   | --- | D     |
| Bacwav                     | 6201   | 2.50  | Cross or bevel gear shaft with pins—<br>1 $\frac{3}{16}$ " x 23"-----               | ---                | --- | x   | D     |
| Bacwew                     | 4202   | 2.00  | Clutch shaft with pins—1 $\frac{1}{16}$ " x 18 $\frac{1}{4}$ "-----                 | x                  | x   | x   | D     |
| Bacwix                     | 4203   | 1.80  | Feed apron drive shaft with pins—1 $\frac{1}{16}$ " x<br>16 $\frac{3}{8}$ "-----    | x                  | --- | --- | E     |

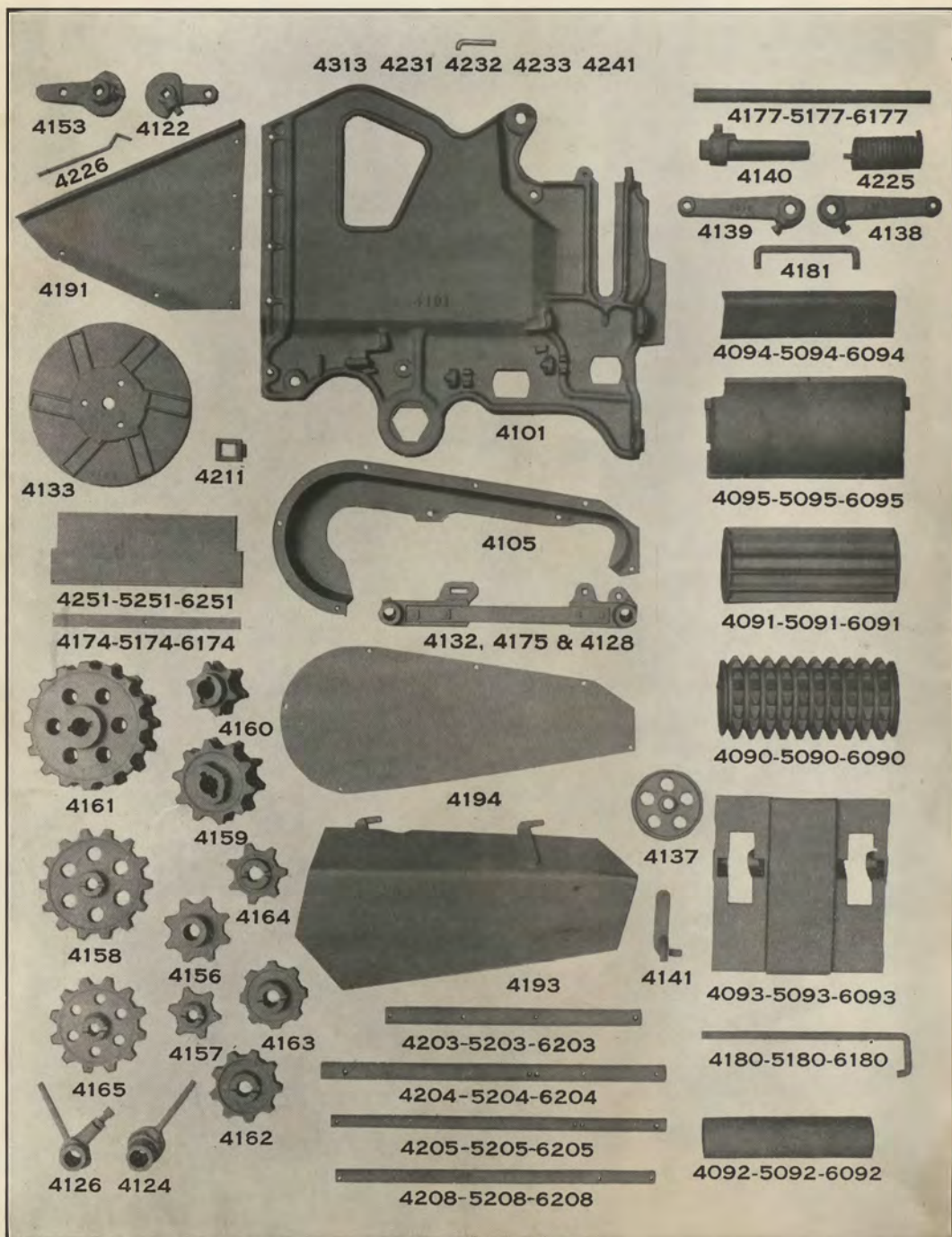


Plate E

# BLIZZARD MANUFACTURING COMPANY

| Code                                                                                    | Number | Price | DESCRIPTION                                                              | Used on Machine |     |     | Plate |
|-----------------------------------------------------------------------------------------|--------|-------|--------------------------------------------------------------------------|-----------------|-----|-----|-------|
|                                                                                         |        |       |                                                                          | 400             | 500 | 600 |       |
| Bacwoy                                                                                  | 5203   | 1.90  | Feed apron drive shaft with pins— $1\frac{1}{16}$ " x $18\frac{3}{8}$ "  |                 | x   |     | E     |
| Bacwuz                                                                                  | 6203   | 2.00  | Feed apron drive shaft with pins— $1\frac{1}{16}$ " x $20\frac{3}{8}$ "  |                 |     | x   | E     |
| Bacyak                                                                                  | 4204   | 2.00  | Lower roller shaft with pins— $1\frac{1}{16}$ " x $22$ "                 | x               |     |     | E     |
| Bacyey                                                                                  | 5204   | 2.10  | Lower roller shaft with pins— $1\frac{1}{16}$ " x $25\frac{7}{16}$ "     |                 | x   |     | E     |
| Bacyiz                                                                                  | 6204   | 2.20  | Lower roller shaft with pins— $1\frac{1}{16}$ " x $27\frac{1}{2}$ "      |                 |     | x   | E     |
| Bacyob                                                                                  | 4205   | 1.75  | Top roller shaft with pins— $1\frac{3}{16}$ " x $21\frac{1}{2}$ "        | x               |     |     | E     |
| Bacyuc                                                                                  | 5205   | 1.85  | Top roller shaft with pins— $1\frac{3}{16}$ " x $23\frac{5}{8}$ "        |                 | x   |     | E     |
| Baczay                                                                                  | 6205   | 2.00  | Top roller shaft with pins— $1\frac{3}{16}$ " x $25\frac{3}{4}$ "        |                 |     | x   | E     |
| Baczez                                                                                  | 4206   | 1.00  | Lower roller gear shaft with pins— $1\frac{5}{16}$ " x $13\frac{1}{2}$ " | x               |     |     | D     |
| Baczib                                                                                  | 5206   | 1.10  | Lower roller gear shaft with pins— $1\frac{5}{16}$ " x $14\frac{7}{8}$ " |                 | x   |     | D     |
| Baczoc                                                                                  | 6206   | 1.20  | Lower roller gear shaft with pins— $1\frac{5}{16}$ " x $16\frac{7}{8}$ " |                 |     | x   | D     |
| Baczud                                                                                  | 4207   | 1.00  | Top roller gear shaft with pins— $1\frac{3}{16}$ " x $13\frac{7}{8}$ "   | x               |     |     | D     |
| Badabs                                                                                  | 5207   | 1.10  | Top roller gear shaft with pins— $1\frac{3}{16}$ " x $16\frac{1}{2}$ "   |                 | x   |     | D     |
| Badact                                                                                  | 6207   | 1.20  | Top roller gear shaft with pins— $1\frac{3}{16}$ " x $18\frac{7}{8}$ "   |                 |     | x   | D     |
| Badahy                                                                                  | 4208   | 1.60  | Paddle roll shaft with pins— $1\frac{3}{16}$ " x $20\frac{1}{2}$ "       | x               |     |     | E     |
| Badalc                                                                                  | 5208   | 1.70  | Paddle roll shaft with pins— $1\frac{3}{16}$ " x $22\frac{1}{2}$ "       |                 | x   |     | E     |
| Dadanf                                                                                  | 6208   | 1.80  | Paddle roll shaft with pins— $1\frac{3}{16}$ " x $24\frac{1}{2}$ "       |                 |     | x   | E     |
| <b>DRIVE CHAIN</b>                                                                      |        |       |                                                                          |                 |     |     |       |
| Badaxu                                                                                  | 4211   | .06   | No. 52 steel chain link                                                  | x               | x   | x   | E     |
| Badayp                                                                                  | 4212   | 1.74  | Paddle roll drive chain, 29 No. 52 chain links                           | x               | x   | x   |       |
| Badaze                                                                                  | 4213   | 1.08  | Lower roller drive chain, 18 No. 52 chain links                          | x               | x   | x   |       |
| Badbad                                                                                  | 4214   | 1.56  | Feed apron drive chain, 26 No. 52 chain links                            | x               | x   | x   |       |
| <b>SPRINGS</b>                                                                          |        |       |                                                                          |                 |     |     |       |
| Badbef                                                                                  | 4225   | 1.00  | Coil tension spring                                                      | x               | x   | x   | E     |
| Badbig                                                                                  | 4226   | .20   | Eccentric spring for 4153 washer                                         | x               | x   | x   | E     |
| <b>GROOV-PINS AND LINCH PINS</b><br>(See page 8)                                        |        |       |                                                                          |                 |     |     |       |
| Badboh                                                                                  | 4230   | .05   | Groov-pin— $\frac{1}{4}$ " x $1\frac{5}{8}$ "                            | x               | x   | x   |       |
| Badbue                                                                                  | 4231   | .10   | Linch pin with cotter— $\frac{1}{4}$ " x $1\frac{3}{4}$ "                | x               | x   | x   |       |
| Badcaf                                                                                  | 4232   | .10   | Linch pin with cotter— $\frac{3}{8}$ " x $2\frac{1}{4}$ "                | x               | x   | x   |       |
| Badceg                                                                                  | 4233   | .10   | Linch pin with cotter— $\frac{5}{16}$ " x $1\frac{3}{4}$ "               | x               | x   | x   |       |
| Badcih                                                                                  | 4234   | .05   | Groov-pin— $\frac{5}{16}$ " x $1\frac{3}{4}$ "                           | x               | x   | x   |       |
| Badcoi                                                                                  | 4235   | .05   | Groov-pin— $\frac{1}{4}$ " x $1\frac{1}{2}$ "                            | x               | x   | x   |       |
| Badcuk                                                                                  | 4236   | .05   | Groov-pin— $\frac{3}{8}$ " x $1\frac{11}{16}$ "                          | x               | x   | x   |       |
| Baddag                                                                                  | 4237   | .05   | Groov-pin— $\frac{5}{16}$ " x $1$ "                                      | x               | x   | x   |       |
| Baddio                                                                                  | 4238   | .05   | Groov-pin— $\frac{1}{4}$ " x $2$ "                                       | x               | x   | x   |       |
| Baddok                                                                                  | 4239   | .05   | Groov-pin— $\frac{5}{16}$ " x $2$ "                                      | x               | x   | x   |       |
| Baddul                                                                                  | 4240   | .05   | Groov-pin— $\frac{1}{4}$ " x $1\frac{3}{4}$ "                            | x               | x   | x   |       |
| Badeng                                                                                  | 4241   | .10   | Truss head rivet— $\frac{5}{16}$ " x $2\frac{1}{2}$ "                    | x               | x   | x   |       |
| Badeoh                                                                                  | 4242   | .05   | Groov-pin— $\frac{7}{32}$ " x $1\frac{1}{2}$ "                           | x               | x   | x   |       |
| Badesk                                                                                  | 4243   | .05   | Groov-pin— $\frac{1}{4}$ " x $2\frac{1}{2}$ "                            | x               | x   | x   |       |
| Badevo                                                                                  | 4245   | 1.00  | Fifteen assorted pins (Packed in cardboard box)                          | x               | x   | x   |       |
| Badexa                                                                                  | 4246   | .25   | Steel key on pulley— $\frac{3}{8}$ " sq. x $4$ "                         | x               | x   | x   |       |
| Badezi                                                                                  | 4247   | .25   | Steel key on flywheel— $\frac{3}{8}$ " sq. x $4\frac{3}{8}$ "            | x               |     |     |       |
| Badfah                                                                                  | 5247   | .25   | Steel key on flywheel— $\frac{3}{8}$ " sq. x $4\frac{3}{4}$ "            |                 | x   |     |       |
| Badfik                                                                                  | 6247   | .25   | Steel key on flywheel— $\frac{3}{8}$ " sq. x $5\frac{1}{2}$ "            |                 |     | x   |       |
| <b>ALL-STEEL PADDLE ROLLS AND PARTS</b><br>(For cast end plates, see 4133-N and 4134-N) |        |       |                                                                          |                 |     |     |       |
| Badfol                                                                                  | 4251-S | .25   | 12 ga. steel paddle, $12\frac{7}{8}$ " long                              | x               |     |     |       |
| Badfum                                                                                  | 5251-S | .25   | 12 ga. steel paddle, $14\frac{7}{8}$ " long                              |                 | x   |     |       |
| Badgai                                                                                  | 6251-S | .30   | 12 ga. steel paddle, $16\frac{7}{8}$ " long                              |                 |     | x   |       |
| Badgek                                                                                  | 4252   | .50   | Sheet steel cylinders, 12" long                                          | x               |     |     |       |

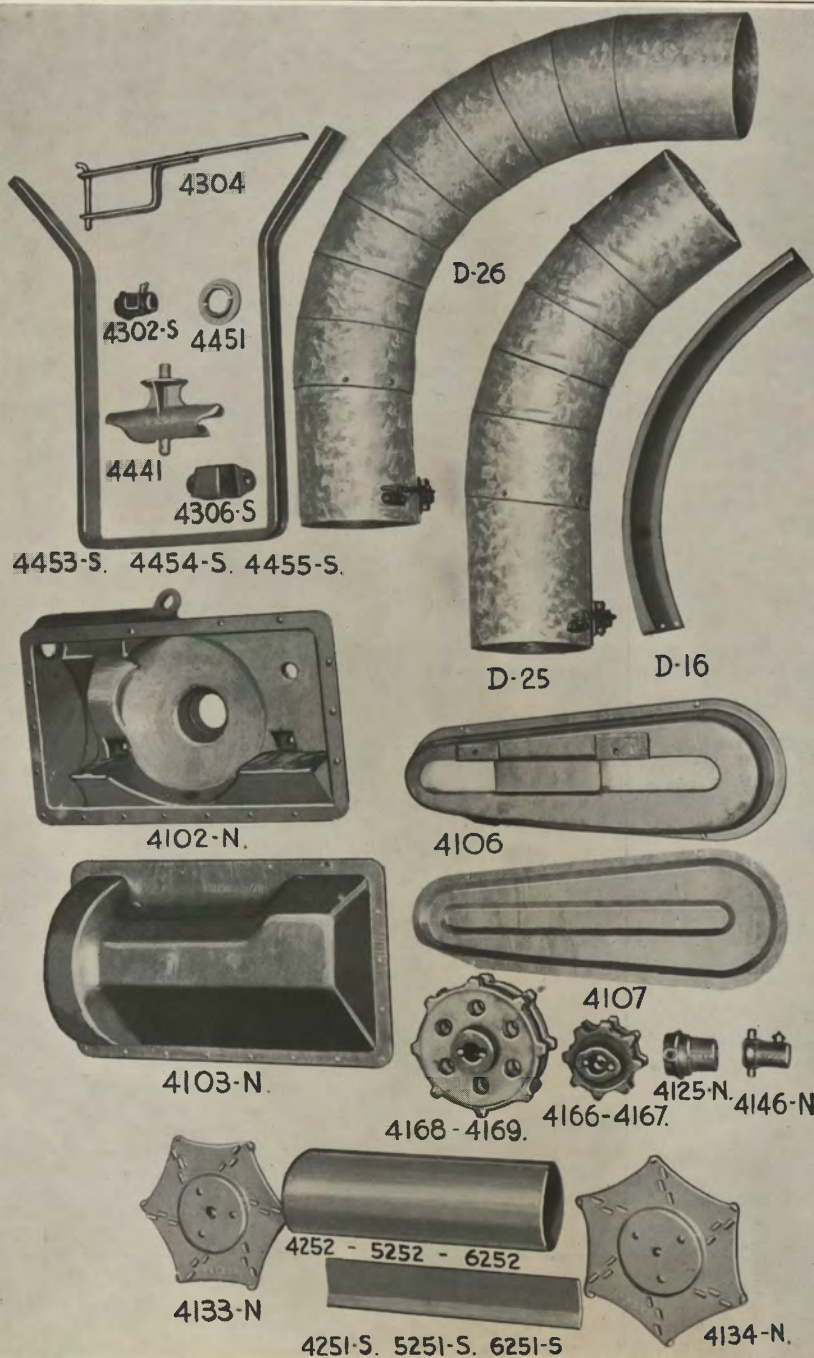


Plate F

# BLIZZARD MANUFACTURING COMPANY

| Code                                                                                         | Number | Price | DESCRIPTION                                                                                        | Used on Machine |     |     | Plate |
|----------------------------------------------------------------------------------------------|--------|-------|----------------------------------------------------------------------------------------------------|-----------------|-----|-----|-------|
|                                                                                              |        |       |                                                                                                    | 400             | 500 | 600 |       |
| Badgil                                                                                       | 5252   | .50   | Sheet steel cylinders, 14" long-----                                                               |                 | x   |     |       |
| Badgom                                                                                       | 6252   | .75   | Sheet steel cylinders, 16" long-----                                                               |                 |     | x   |       |
| Badgun                                                                                       | 4253   | 5.00  | Complete all-steel paddle roll, less shaft----                                                     | x               |     |     |       |
| Badhak                                                                                       | 5253   | 5.50  | Complete all-steel paddle roll, less shaft----                                                     |                 | x   |     |       |
| Badhei                                                                                       | 6253   | 6.00  | Complete all-steel paddle roll, less shaft----                                                     |                 |     | x   |       |
|                                                                                              |        |       | Note: These new all-steel paddle rolls will fit in place of old style with wood paddles.           |                 |     |     |       |
| <b>FEED TABLES AND APRONS</b>                                                                |        |       |                                                                                                    |                 |     |     |       |
| Note: Where right or left is specified it is based on facing machine from rear end of table. |        |       |                                                                                                    |                 |     |     |       |
| Badhim                                                                                       | 4300   | 1.00  | Cast iron bracket for rear bearing, right----                                                      | x               | x   | x   | G     |
| Badhon                                                                                       | 4301   | 1.00  | Cast iron bracket for rear bearing, left-----                                                      | x               | x   | x   | G     |
| Badhup                                                                                       | 4302   | .75   | Bearing for rear apron shaft, right or left for wood table only-----                               | x               | x   | x   | G     |
| Badify                                                                                       | 4302-S | 1.00  | Bearing for rear apron shaft, right or left, with angle Alemite fitting, for steel table only----- | x               | x   | x   | F     |
| Badilf                                                                                       | 4303   | .80   | Idle sprocket for rear apron shaft, 8 tooth-----                                                   | x               | x   | x   | G     |
| Badirk                                                                                       | 4304   | 1.00  | Safety lever for shifting gears (Steel)-----                                                       | x               | x   | x   | F     |
| Badivu                                                                                       | 4305   | .50   | Cast bracket for safety shifter lever-----                                                         | x               | x   | x   | G     |
| Badixe                                                                                       | 4306   | .50   | Leg socket casting for wood table-----                                                             | x               | x   | x   | G     |
| Badial                                                                                       | 4306-S | .50   | Leg socket casting for steel table-----                                                            | x               | x   | x   | F     |
| Badjem                                                                                       | 4307   | .50   | Roller wheel idler, under apron-----                                                               | x               | x   | x   | G     |
| Badjin                                                                                       | 4308   | .40   | Stud for roller wheel idler-----                                                                   | x               | x   | x   | G     |
| Badjop                                                                                       | 4311-S | .80   | Steel brace for galvanized table sides-----                                                        | x               | x   | x   |       |
| Badjur                                                                                       | 4311-R | 1.00  | Steel brace for galvanized table sides, with adj. lug, right-----                                  | x               | x   | x   |       |
| Badkam                                                                                       | 4311-L | 1.00  | Steel brace for galvanized table sides, with adj. lug, left-----                                   | x               | x   | x   |       |
| Badken                                                                                       | 4314   | 36.00 | Self feed apron (121 steel slats) for #400----                                                     | x               |     |     | G     |
| Badkip                                                                                       | 5314   | 38.00 | Self feed apron (121 steel slats) for #500----                                                     |                 | x   |     | G     |
| Badkor                                                                                       | 6314   | 40.00 | Self feed apron (121 steel slats) for #600----                                                     |                 |     | x   | G     |
| Badkus                                                                                       | 4315   | .10   | Steel apron slat for #400-----                                                                     | x               |     |     | G     |
| Badlan                                                                                       | 5315   | .11   | Steel apron slat for #500-----                                                                     |                 | x   |     | G     |
| Badlep                                                                                       | 6315   | .12   | Steel apron slat for #600-----                                                                     |                 |     | x   | G     |
| Badlir                                                                                       | 4316   | .10   | Attachment chain link for apron (45 K I)-----                                                      | x               | x   | x   | G     |
| Badlos                                                                                       | 4320   | 1.40  | Shaft with pins for rear end of table (1 $\frac{3}{16}$ " x 15 $\frac{3}{8}$ ")-----               | x               |     |     | G     |
| Badlut                                                                                       | 5320   | 1.50  | Shaft with pins for rear end of table (1 $\frac{3}{16}$ " x 17 $\frac{3}{8}$ ")-----               |                 | x   |     | G     |
| Badmap                                                                                       | 6320   | 1.60  | Shaft with pins for rear end of table (1 $\frac{3}{16}$ " x 19 $\frac{3}{8}$ ")-----               |                 |     | x   | G     |
| Badmer                                                                                       | 4322   | .20   | Special bolt for adjusting tension on feed apron-----                                              | x               | x   | x   | G     |
| <b>PARTS FOR WOOD TABLE ONLY</b>                                                             |        |       |                                                                                                    |                 |     |     |       |
| Badmis                                                                                       | 4325   | 2.00  | Flare board for wood feed table, right-----                                                        | x               | x   | x   | G     |
| Badmot                                                                                       | 4326   | 2.00  | Flare board for wood feed table, left-----                                                         | x               | x   | x   | G     |
| Badmuv                                                                                       | 4327   | 2.00  | Narrow side board for wood table, right-----                                                       | x               | x   | x   | G     |
| Badnar                                                                                       | 4328   | 2.00  | Narrow side board for wood table, left-----                                                        | x               | x   | x   | G     |
| Badnes                                                                                       | 4329   | 2.00  | Side rail for wood table, right-----                                                               | x               | x   | x   | G     |
| Badnit                                                                                       | 4330   | 2.00  | Side rail for wood table, left-----                                                                | x               | x   | x   | G     |
| <b>GALVANIZED STEEL FEED TABLES AND PARTS (See Plate H)</b>                                  |        |       |                                                                                                    |                 |     |     |       |
| Note: Complete steel table can be used to replace old wood table.                            |        |       |                                                                                                    |                 |     |     |       |
| Badnov                                                                                       | 4351-G | 34.00 | Galvanized steel table complete, less apron----                                                    | x               |     |     |       |
| Badody                                                                                       | 5351-G | 35.00 | Galvanized steel table complete, less apron----                                                    |                 | x   |     |       |
| Badolg                                                                                       | 6351-G | 36.00 | Galvanized steel table complete, less apron----                                                    |                 |     | x   |       |
| Badorl                                                                                       | 4236-G | 5.00  | Galvanized side flare with roll edge, right----                                                    | x               | x   | x   |       |
| Badosm                                                                                       | 4326-G | 5.00  | Galvanized side flare with roll edge, left-----                                                    | x               | x   | x   |       |

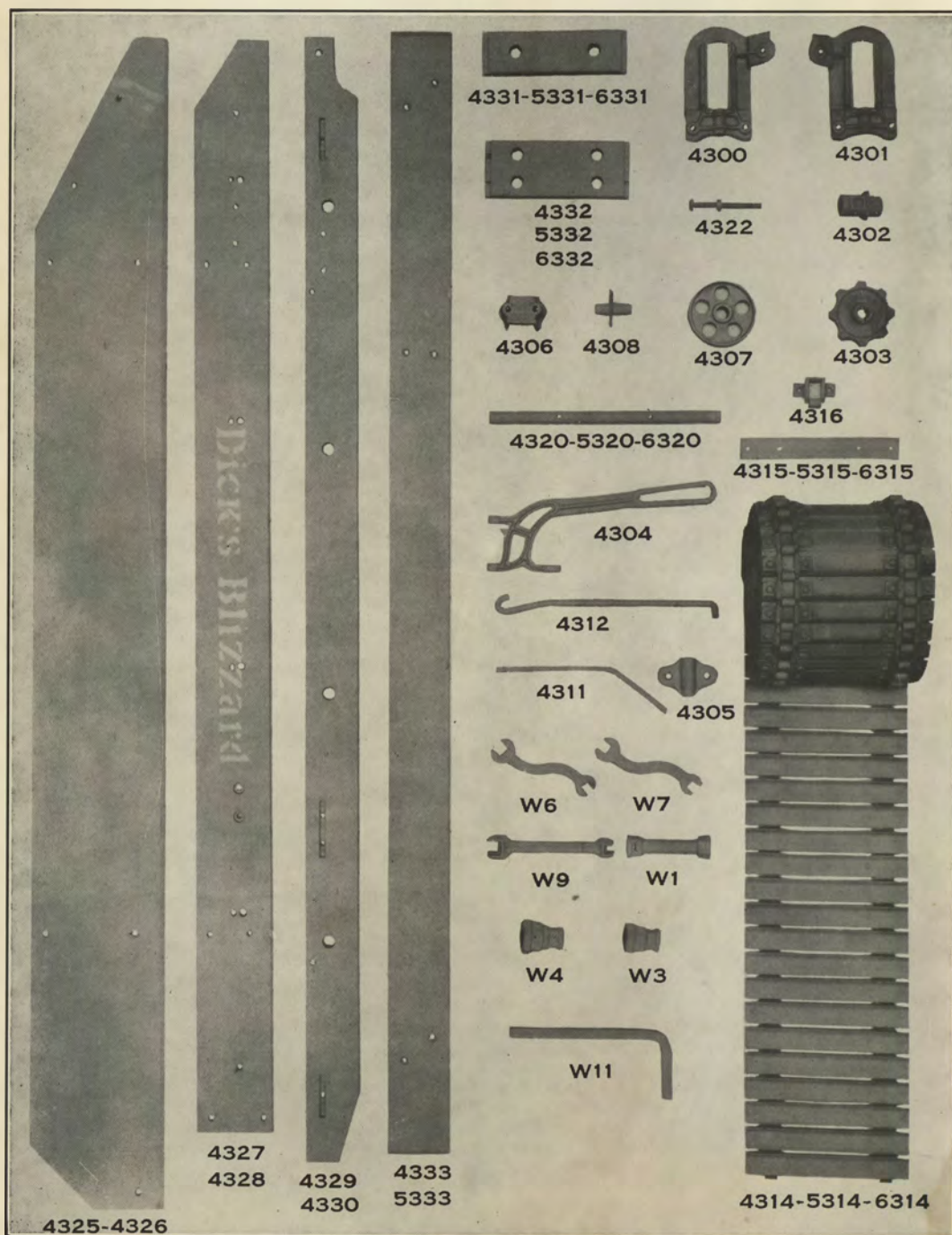


Plate G

# BLIZZARD MANUFACTURING COMPANY

| Code                                                            | Number | Price | DESCRIPTION                                                            | Used on Machine |     |     | Plate |
|-----------------------------------------------------------------|--------|-------|------------------------------------------------------------------------|-----------------|-----|-----|-------|
|                                                                 |        |       |                                                                        | 400             | 500 | 600 |       |
| Badova                                                          | 4191-G | 1.50  | Galvanized flare wing, right-----                                      | x               | x   | x   |       |
| Badoxi                                                          | 4192-G | 1.50  | Galvanized flare wing, left-----                                       | x               | x   | x   |       |
| Badoyt                                                          | 4352-G | 1.00  | Galv. spacer across rear end of table-----                             | x               | --- | --- |       |
| Badozu                                                          | 5352-G | 1.25  | Galv. spacer across rear end of table-----                             | ---             | x   | --- |       |
| Badpas                                                          | 6352-G | 1.50  | Galv. spacer across rear end of table-----                             | ---             | --- | x   |       |
| Badpet                                                          | 4354-G | .50   | Galv. roll edge on top of rear spacer-----                             | x               | --- | --- |       |
| Badpiv                                                          | 5354-G | .60   | Galv. roll edge on top of rear spacer-----                             | ---             | x   | --- |       |
| Badpow                                                          | 6354-G | .70   | Galv. roll edge on top of rear spacer-----                             | ---             | --- | x   |       |
| Badpux                                                          | 4355-G | .50   | Galv. roll edge for rear end of side flare, right-----                 | x               | x   | x   |       |
| Badsav                                                          | 4356-G | .50   | Galv. roll edge for rear end of side flare, left-----                  | x               | x   | x   |       |
| Badsbe                                                          | 4317   | .35   | Elbow fitting for top of rear table end, right or left-----            | x               | x   | x   |       |
| Badsci                                                          | 4318   | .40   | Angle fitting for rear table end, right or left-----                   | x               | x   | x   |       |
| Badsew                                                          | 4329-S | 2.00  | Wood rail for steel table, right-----                                  | x               | x   | x   |       |
| Badsfo                                                          | 4330-S | 2.00  | Wood rail for steel table, left-----                                   | x               | x   | x   |       |
| Badsgu                                                          | 4331-S | .30   | Wood cross girt for steel table for #400-----                          | x               | --- | --- |       |
| Badsix                                                          | 5331-S | .30   | Wood cross girt for steel table for #500-----                          | ---             | x   | --- |       |
| Badsoy                                                          | 6331-S | .30   | Wood cross girt for steel table for #600-----                          | ---             | --- | x   |       |
| Badsuz                                                          | 4333-S | .80   | Narrow bottom board for steel table-----                               | x               | --- | --- |       |
| Badtaw                                                          | 5333-S | .90   | Narrow bottom board for steel table-----                               | ---             | x   | x   |       |
| <b>PARTS FOR STEEL TRUCK</b><br>(Other parts quoted on request) |        |       |                                                                        |                 |     |     |       |
| Badtex                                                          | 4441   | 1.50  | Malleable king-bolt clamp casting for front axle-----                  | x               | x   | x   | F     |
| Badtoz                                                          | 4451   | .15   | Malleable axle washers for wheels-----                                 | x               | x   | x   | F     |
| Badtub                                                          | 4417   | 6.00  | Steel tire truck wheel for steel axle-----                             | x               | x   | x   |       |
| Baducy                                                          | 4446   | 2.50  | Tubular steel front axle—40" long-----                                 | x               | x   | x   |       |
| Badunk                                                          | 4445   | 4.00  | Solid steel rear axle—56" long-----                                    | x               | x   | x   |       |
| Badurm                                                          | 4453-S | 2.80  | Channel steel table support bracket for galv. table-----               | x               | --- | --- | F     |
| Baduve                                                          | 4454-S | 3.00  | Channel steel table support bracket for galv. table-----               | ---             | x   | --- | F     |
| Baduza                                                          | 4455-S | 3.20  | Channel steel table support bracket for galv. table-----               | ---             | --- | x   | F     |
| <b>WRENCHES (See Plate G)</b>                                   |        |       |                                                                        |                 |     |     |       |
| Badvax                                                          | W-1    | .50   | Socket wrench for fan flights-----                                     | x               | x   | x   | G     |
| Badvey                                                          | W-3    | .30   | *Socket wrench for knife and shredder bar bolts-----                   | x               | x   | --- | G     |
| Badviz                                                          | W-4    | .35   | Socket wrench for knife bolts-----                                     | ---             | --- | x   | G     |
| Badvob                                                          | W-6    | .35   | "S" wrench for shear plate and front main bearing adjusting bolts----- | x               | x   | x   | G     |
| Badvuc                                                          | W-7    | .35   | "S" wrench for adjusting feed table apron-----                         | x               | x   | x   | G     |
| Badway                                                          | W-9    | .50   | Four-way general purpose wrench-----                                   | x               | x   | x   | G     |
| Badwez                                                          | W-11   | .30   | Socket wrench handle (Steel)-----                                      | x               | x   | x   | G     |
| *Note: W-3 also used for 600 shredder bar bolts.                |        |       |                                                                        |                 |     |     |       |
| <b>PIPE FITTINGS (See Fig. 4)</b>                               |        |       |                                                                        |                 |     |     |       |
| Badwib                                                          | P1&P2  | .30   | Pipe clamp bearing and eccentric nut combined-----                     | x               | x   | x   |       |
| Badwoc                                                          | P3     | .10   | Pipe clamp connecting rod support-----                                 | x               | x   | x   |       |
| Badwud                                                          | P4     | .10   | Pipe clamp wrench-----                                                 | x               | x   | x   |       |
| Badyab                                                          | P9     | .15   | Pipe clamp connecting rod with nut-----                                | x               | x   | x   |       |
| Badyec                                                          | P10    | .50   | Pipe clamp complete-----                                               | x               | x   | x   |       |
| Badyid                                                          | P11    | .45   | Connecting chain complete with P6 and P7 for dist. pipe-----           | x               | x   | x   |       |
| Badyof                                                          | P12    | .40   | Connecting chain complete with P5 and P8 for hopper-----               | x               | x   | x   |       |
| Badyug                                                          | D2     | .15   | Hinge with pin for deflector-----                                      | x               | x   | x   |       |
| Badzac                                                          | D3     | .15   | Hinge with hole for deflector-----                                     | x               | x   | x   |       |
| Badzed                                                          | D4     | .15   | Retaining strap for deflector-----                                     | x               | x   | x   |       |
| Badzif                                                          | D5     | .15   | Retaining clip for deflector-----                                      | x               | x   | x   |       |
| Badzog                                                          | D14    | .15   | Bolt with loop nut for hopper braces-----                              | x               | x   | x   |       |

# BLIZZARD MANUFACTURING COMPANY

| Code                                                                 | Number | Price | DESCRIPTION                                                     | Used on Machine |     |     | Plate |
|----------------------------------------------------------------------|--------|-------|-----------------------------------------------------------------|-----------------|-----|-----|-------|
|                                                                      |        |       |                                                                 | 400             | 500 | 600 |       |
| <b>ALEMITE HYDRAULIC OIL FITTINGS</b>                                |        |       |                                                                 |                 |     |     |       |
| Baebba                                                               | 1610   | .10   | 1/8" straight fitting, 3/4" long-----                           | x               | x   | x   |       |
| Baebce                                                               | 1612   | .15   | 1/8" angle fitting, 29/32" long-----                            | x               | x   | x   |       |
| Baebdi                                                               | 1627   | .20   | 1/4" straight fitting, 1" long-----                             | x               | x   | x   |       |
| Baebfo                                                               | 1669   | .20   | 1/8" straight fitting, 1 3/4" long-----                         | x               | x   | x   |       |
| Baebgu                                                               | 1684   | .30   | 1/8" straight fitting, 2 5/8" long-----                         | x               | x   | x   |       |
| <b>GALVANIZED BLOWER PIPE, DEFLECTORS, ETC. .</b><br>(See Fig. 4)    |        |       |                                                                 |                 |     |     |       |
| Baebci                                                               | P7-2   | 1.50  | 7" dia. 2 ft. length complete with clamps----                   | x               | x   | x   |       |
| Baecco                                                               | P7-4   | 3.00  | 7" dia. 4 ft. length complete with clamps----                   | x               | x   | x   |       |
| Baecd u                                                              | P7-8   | 6.00  | 7" dia. 8 ft. length complete with clamps----                   | x               | x   | x   |       |
| Baecfa                                                               | D20    | 10.00 | Deflector complete for 7" dia. blower pipe----                  | x               | x   | x   |       |
| Baecge                                                               | D21    | 7.75  | Deflector, lower part with collar for 7" dia. blower pipe ----- | x               | x   | x   |       |
| Baedbu                                                               | D22    | 3.00  | Deflector, top part only for 7" dia. blower pipe -----          | x               | x   | x   |       |
| Baedca                                                               | D16    | 1.00  | Steel liner for inside of deflector-----                        | x               | x   | x   | F     |
| Baedde                                                               | D25    | 6.00  | Long extra heavy 45 degree elbow for 7" pipe, 33" long-----     | x               | x   | x   | F     |
| Baedfi                                                               | D26    | 8.00  | Long extra heavy 90 degree elbow for 7" pipe, 48" long-----     | x               | x   | x   | F     |
| <b>GALVANIZED HOPPER AND INSIDE DISTRIBUTOR PIPE</b><br>(See Fig. 4) |        |       |                                                                 |                 |     |     |       |
| Baedgo                                                               | D30    | 4.00  | Hopper with bail (36" long) less braces----                     | x               | x   | x   |       |
| Baefbe                                                               | D15    | 1.00  | Channel steel hopper braces with loop nut bolts, per pair-----  | x               | x   | x   |       |
| Baefci                                                               | D31    | 2.50  | Inside distributor pipe (36" long) per length                   | x               | x   | x   |       |

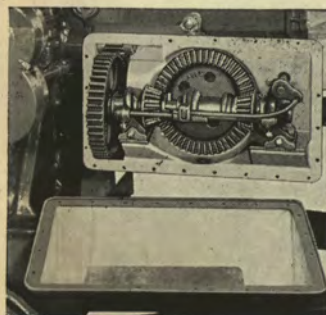
## ALEMITE FITTINGS



**ADJUSTABLE PIPE OUTLET**

**Fig. 1**

## GEAR CASE WITH COVER REMOVED



**Fig. 6**

# New Heavy Galvanized Feed Table and All-Steel Paddle Roll

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Steel Apron Glides on Rollers—No Friction  
Saves Wear and Power

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Smooth Tapered Flaring Throat

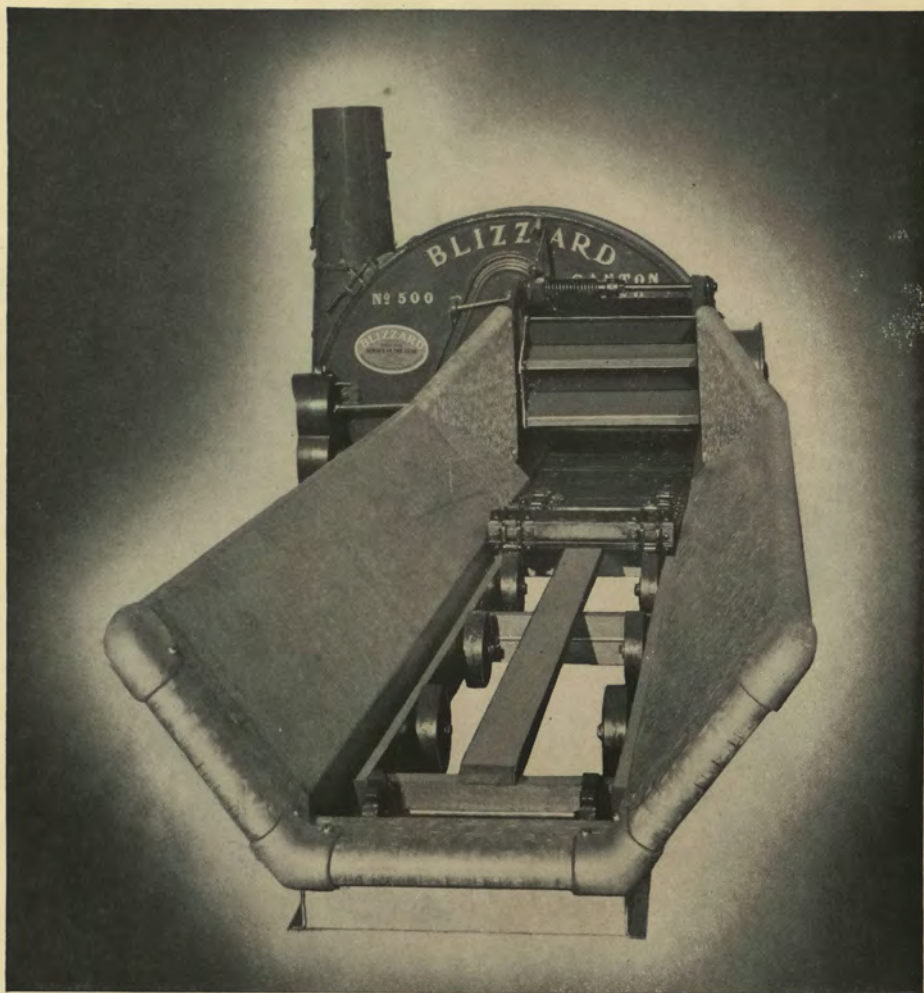


Plate H

Large Roll Edge Prevents Material from lodging on  
edge of Table