

MODEL 445
FOOD PORTIONING AND FORMING MACHINE

FEEDING METHOD







### TRIED AND PROVEN

# Patty-O-Matic

### UNIQUE MEAT FEED PRODUCES JUICIER PATTIES

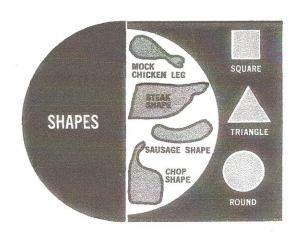
MODEL 445

### FOOD PORTIONING

### AND FORMING MACHINE

The Patty-O-Matic modern molding machine will mold any shape patty, not only the standard round, square or oval shapes. Mold plates for the Patty-O-Matic come in thicknesses ranging from  $\frac{3}{6}$ " to  $\frac{3}{6}$ "— and with simple adaptation — patties can be molded thicker than  $\frac{3}{6}$ ". A separate spacer is required for each different thickness of mold plate. The machine is capable of molding a fraction of an ounce to one pound at a time. Machine comes with one standard mold plate and a spacer.

The Patty-O-Matic is normally equipped with a ½ H.P. Capacitor type, single phase, 60 cycle motor. This single speed motor is furnished in either 110 or 220 volt models. Three phase, direct current, 50 or 25 cycle motors can be supplied.



The Patty-O-Matic takes any drilled and cut paper, single or double sheets. We recommend the Patty-O-Matic high quality paper for best results in your machine and with your product.

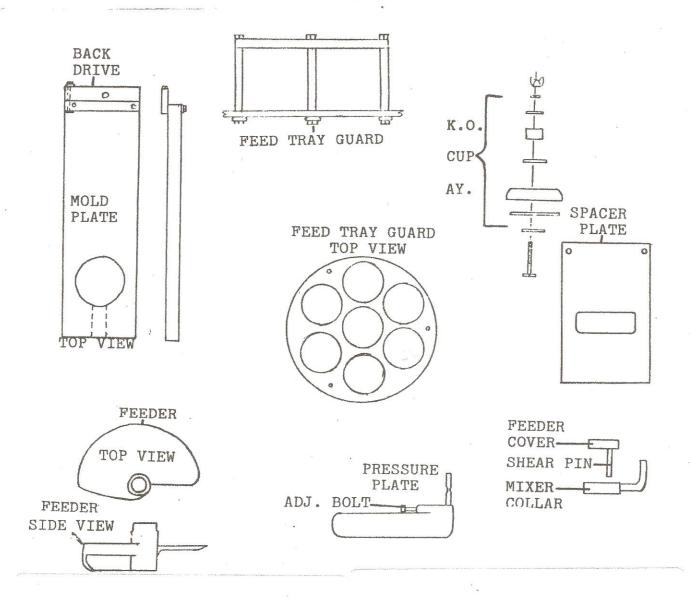
The Patty-O-Matic, after years of development, is designed for the smallest or largest operation. Since all operations do not require a mobile stand, conveyor, counter, large hopper, or paper attachment, models are available without these accessories. Accessories can be added easily as the need arises.

#### APPROXIMATE SIZE OF PATTY (DIAMETER)

| Thickness | 16 @ 1.0z | 15 @ 1.07oz | 14 @ 1.14oz | 13 @ 1.23oz | 12 @ 1,33oz | 11 @ 1.46oz | 10 @ 1.60oz | 9 @ 1.78oz | # of Patties<br>Per Pound |
|-----------|-----------|-------------|-------------|-------------|-------------|-------------|-------------|------------|---------------------------|
| 3/16      | 3-11/32   |             | 3-19/32     |             | ,3-7/8      |             | 4-1/4       | 4-15/32    |                           |
| 1/4       | 2-7/8     |             | 3-3/32      |             | 3-11/32     |             | 3-21/32     | 3-27/32    |                           |
| 5/16      | 2-21/32   |             | 2-27/32     |             | 3-1/32      |             | 3-11/32     | 3-1/2      |                           |
| 3/8       | 2-3/8     |             | 2-17/32     |             | 2-23/32     |             | 2-31/32     | 3-5/32     |                           |
| 1/2       | 2-1/8     |             | 2-9/32      |             | 2-15/32     |             | 2-11/16     | 2-27/32    |                           |
| 5/8       | 1-15/16   |             | 2-1/16      |             | 2-7/32      |             | 2-7/16      | 2-9/16     |                           |
| 3/4       | 1-3/4     |             | 1-29/32     |             | 2           |             | 2-7/32      | 2-11/32    |                           |
|           | 8 @ 2,oz  | 7 @ 2,29oz  | 6 @ 2.67oz  | 5 @ 3,2oz   | 4 @ 4.0z    | 3 @ 5.02    | 3 @ 5.33oz  | 2 @ 8.oz   |                           |
| 3/16      | 4-3/4     |             |             |             |             |             |             |            |                           |
| 1/4       | 4-3/32    | 4-3/8       | 4-23/32     |             | 5-3/4       |             |             |            |                           |
| 5/16      | 3-23/32   | 3-31/32     | 4-5/16      | 4-11/16     | 5-1/4       |             |             |            |                           |
| 3/8       | 3-11/32   | 3-9/16      | 3-27/32     | 4-7/32      | 4-23/32     |             |             |            |                           |
| 1/2       | 3         | 3-7/32      | 3-15/32     | 3-13/16     | 4-1/4       | 4-3/4       | 4:29/32     |            |                           |
| 5/8       | 2-23/32   | 2-29/32     | 3-5/32      | 3-7/16      | 3-27/32     | 4-5/16      | 4-7/16      |            |                           |
| 3/4       | 2-15/32   | 2-21/32     | 2-27/32     | 3-1/8       | 3-1/2       | 3-29/32     | 4-1/32      | 5          |                           |



The Patty-O-Matic automatic Model 445 was designed to only mold and paper meat patties. Place the product in the feed tray, then push product through and under feed guard, being careful not to put fingers or hands under the guard. You are putting product into the hopper to be processed into patties. The Model 445 will mold, paper and stack the finished patties. This Model 445 is designed for easy operation and cleaning. Become familiar with this manual and your machine shall have a long life.





Prior to using the Model 445 and after each use the following parts should be cleaned/sanitized:

Mold Plate Spacer: Plate K. O. Cup Hopper

In order to disassemble for cleaning, use the disassembly tool and remove 5 bolts: 1 in the hopper above the feeder and 4 mounting the hopper to the machine. This will allow the removal of all upper parts.

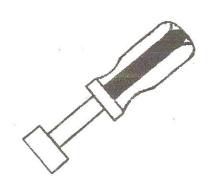
NEVER START THE MACHINE WITH THE HOPPER OFF!!!

NOTICE: A 6th bolt with finer threads is also fastened to the hopper. Next to this bolt is stamped an "X". This bolt does not need to be removed, its purpose is to hold the spacer plate in place.

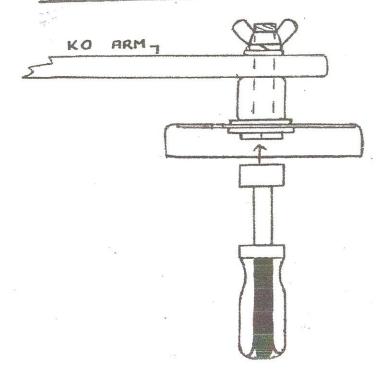
The KO Cup is removed by holding the bolt inside the cup with the disassembly tool, and turn the wing nut counterclock wise. After cleaning, make sure the KO Cup is centered inside the mold plate cavity with the mold plate in the forwardmost position.

DO NOT DISASSEMBLE THE MIXER COLLAR & STEM FROM THE FEEDER. This is not necessary. Improper assembly of the mixer collar on the feeder could cause feeding difficulties.

Feeder Feed Tray & Guard Mold Plate Guard Pressure Plate



### PROPER KO CUP ASSEMBLY





Remove the spacer plate from above the mold plate. NOTICE—two round holes in the spacer plate are located toward the front of the machine.

To remove the mold plate, unscrew the "T" bolt located at the rear and underside of the mold plate. This bolt goes through a slot in the connecting arm which moves the mold plate when the machine is in operation.

After cleaning, reverse the above procedure to reassemble. The 5 bolts need only to be hand tightened with the tool provided.

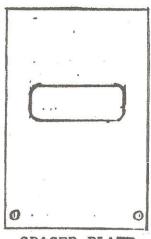
The following directions are only necessary for first time set-up or for replacing parts,

#### MOLD PLATE GUARD ASSEMBLY

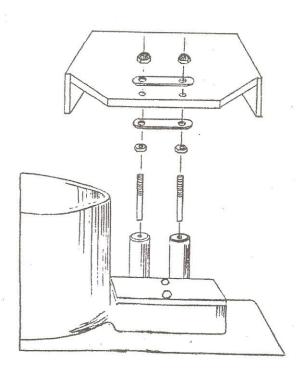
There are two items which must be mounted to the mold plate guard in order to put the machine into use.

#### Peg Assembly

Install regular nut on threaded pegs and turn until Place clamp support stops. plate over nuts. Insert threaded of section through the underside of the This will mold plate guard. leave a small amount of threaded peg showing through the top of the guard. second clamp support plate over the two pegs, then put on lock nuts and tighten slightly.



SPACER PLATE



6

Place entire guard and assembly into the guard posts on the hopper. This will locate proper center distance to the pegs. Use two 7/16" wrenches to tighten nuts while pegs are in the proper position.

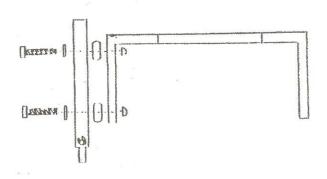
If procedure is followed properly, mold plate guard with peg assembly should lift straight out of the guard posts on the hopper and off the machine without the use of tools, thus increasing the ease of cleaning and reassembling for safety purposes.

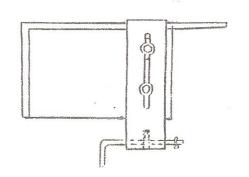
#### Push Rod Assembly

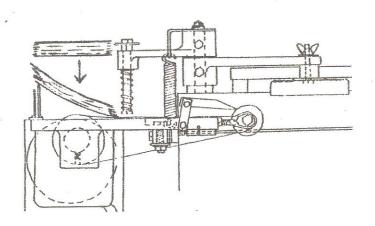
Install mold plate guard on machine using peg assembly. Insert both bolts through flat steel washers provided, then through slot in the push rod assembly, through rubber washers and finally through mold Place lock nuts plate guard. on bolts, make proper height adjustment and tighten bolts and nuts. By tightening one or the other bolt will change the position of the push rod to coincide with the hole in the cabinet and interlock switch.

After mounting mold plate guard, place feed tray on top of the hopper and machine is ready to use.

Take a stack of patty paper no thicker than 1" and place front end under pressure foot. Then lower back end of stack with hole over pin. This can be accomplished without stopping the machine. Placing any more than 1" of paper on the pin will cause improper paper feeding.









The Model 445 is equipped with a safety interlock. For the machine to operate, the push rod on the mold plate guard must be inserted in through the cabinet in order to activate the interlock switch.

Place product into the feed tray. Push through the openings of the feed tray guard and let fall into the hopper. DO NOT PUT HAND OR FINGERS OR OTHER FOREIGN MATERIAL SUCH AS STAMPERS OR PLUNGERS INTO THE HOPPER. THERE IS NO PLUNGER OR STAMPER SUPPLIED WITH THIS UNIT, NONE IS NEEDED. There is no need to pack the product in the hopper. Run the machine. As patties are formed and stacked, refill the hopper from the feed tray.

As the mold plate moves back and forth to form patties, a thin coating of product is spread over its surface. This coating may also accumulate on the edges of the k o cup or in front of the hopper and spacer plate.

NEVER ATTEMPT TO REMOVE
THIS EXCESS COATING OR LEAKAGE WHILE THE MACHINE IS
RUNNING. THE MOVING PARTS
CAN CAUSE SEVERE AND PERMANENT INJURY.

#### MOLD PLATE CHANGE

Always disconnect the machine from its power source so that it cannot be accidently started. Remove the "T" bolt from the back drive of the mold plate, and pull out mold plate from the rear of the machine. If changing thicknesses, also remove the spacer plate. Insert new plate(s) and replace "T" bolt. Important: KO Cup must also be changed to match the new mold plate.

When changing mold plate, use corresponding spacer plate. Spacer plates are retained with the use of the "X" bolt.

To make immediate repairs on the Model 445, we have included a spare parts kit, for your convenience. It contains the following parts:

- (2) 574-Air Valve
- (2) 562-Shear Pin
- (1) 610-5/16 Nut
- (1) 549-Pressure Plate Spring
- (1) 556-5/16-18 X 1" Bolt
- (1) 612-5/16 Flat Washer (1) 611-5/16 Lock Washer

### TROUBLE SHOOTING TIPS

THE FOLLOWING IS A LIST OF POSSIBLE PROBLEMS THAT MAY ARISE AND THEIR SOLUTIONS:

1. Mold plate filling incorrectly, patty prematurely dropping out of the mold cavity:

a) the product should be chilled before molding.

- b) the product may be too wet, soft or pasty. A binder such as bread crumbs should be used to dry product.
- c) keep air groove clear of residue. It may cause mold plate cavity to become air locked.

d) the temperature in the room may be excessivly hot.

e) operator should check to see if shear pin is properly in.

f) clean fat off the pressure plate.

- g) operator should check to see if the feeder bolt is loose or if he forgot to insert the feeder washer.
- 2. Papering not feeding correctly or conveyor not working:

a) paper conveyor belt will not move:

- 1. loosen belt (underside of belt should have 1" of play).
- 2. take-up bearings should be lubricated with oil.
- b) belt moves but paper skips:

1. check to see if paper is defective.

- 2. there may be too much grease on the belt.
- c) belt moves but stops when pressure foot pushes on paper: -- tighten conveyor belt with take-up nuts.
- d) paper conveyor belt not tracking properly:
   -- adjust front take-up nuts on front roller.
- e) paper feed continuously instead of at intervals:
  - 1. paper stack is too high. Stack should only be 1".
  - 2. conveyor belt has become sticky. Clean belt.

#### ADJUSTABLE PRESSURE PLATE

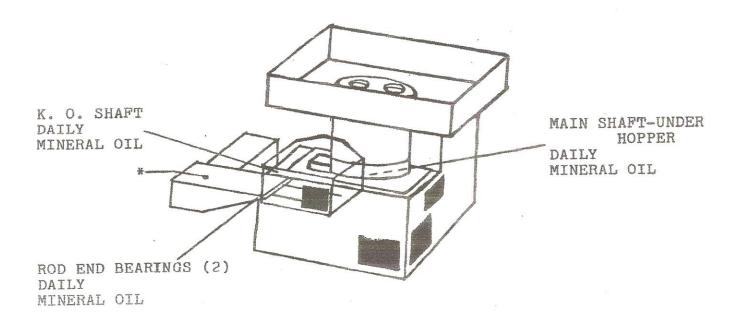
The pressure plate length may be extended by turning the adjusting bolt deeper into the pressure plate housing. If the adjusting bolt has a sleeve over it, the sleeve must be shortened to allow the bolt to go in deeper.

Bolt should be adjusted so that the pressure plate does not start to move backward until it is completely under the blade of the feeder, the adjusting bolt is in too deep and should be backed out as is necessary for proper adjustment.

NOTE: A longer stop bolt can be used to replace the one normally supplied with the pressure plate. (Thread size 1/4-20-length determined by the result desired.)

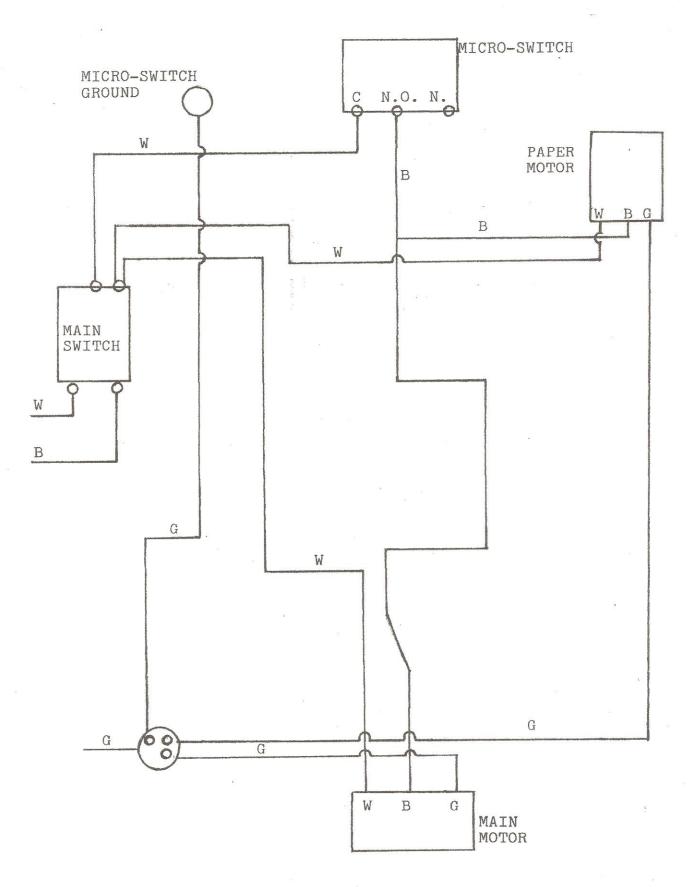
### MAINTENANCE DISCONNECT MACHINE BEFORE DOING ANY WORK ON IT

BE SURE WARNING DECALS ARE IN PLACE AND LEGI-BLE. SEE PARTS LIST FOR REPLACEMENTS.

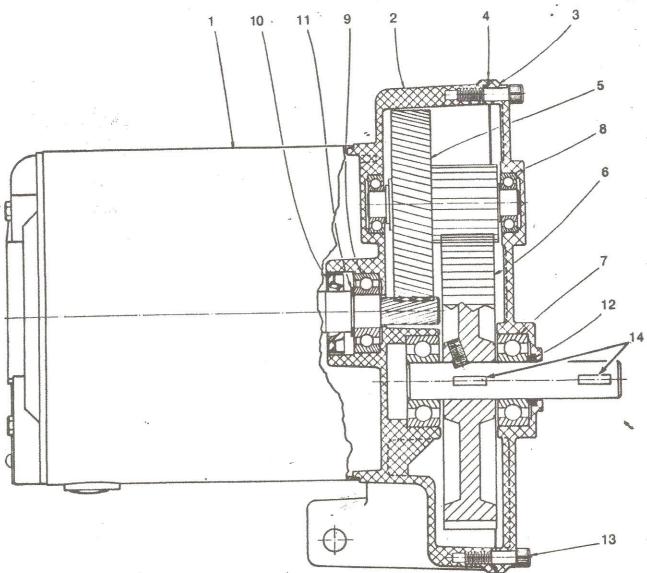


\* Mineral Oil, a non-abrasive cleaning solution is to be used to clean the conveyor belt to prolong life.

### ELECTRICAL SCHEMATIC



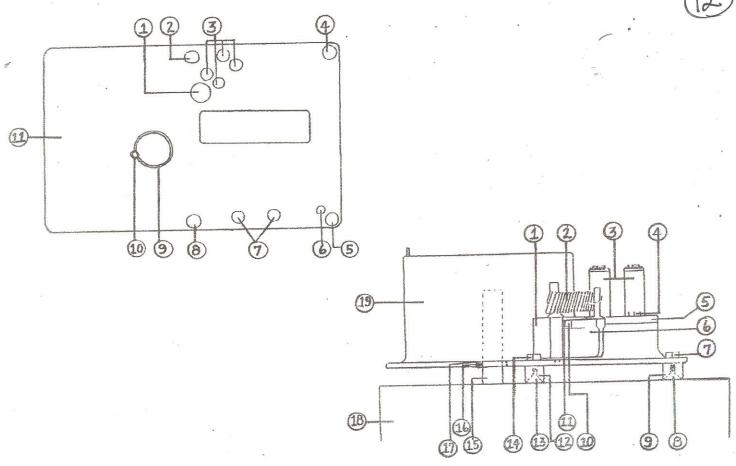




### Gear Head Motor

| 1  | Motor assembly             | V00212AX40  |
|----|----------------------------|-------------|
| 2  | Gearcase                   | G01430-0005 |
| 3  | Cover                      | G01431-0002 |
| 4  | Gasket                     | P01475-0001 |
| 5  | #2 Gear assembly           | A03402-0001 |
| 6  | Output gear assembly       | A03403-Q001 |
| 7  | Bearing (Output)           | L01792-0001 |
| 8  | Bearing (#2 Gear assembly) | L01460-0001 |
| 9  | Bearing (Motor)**          | 4X441       |
| 10 | Seal                       | P01694-0003 |
| 11 | Spacer washer              | K07924-0001 |
| 12 | 'O' Ring                   | P00788-0001 |
| 13 | Soc. Hd. Scr. (1/4-20x3/4) | *           |
| 14 | Output shaft key           | P00464-0001 |





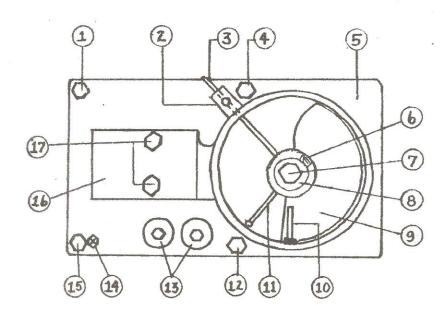
| Hopper | <b>ANDIONI</b> | Bottom | View |
|--------|----------------|--------|------|
|--------|----------------|--------|------|

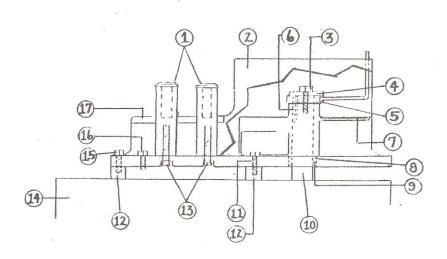
| ITEM        | DESCRIPTION .            | QTY. | PART NO. |
|-------------|--------------------------|------|----------|
| 1           | Hopper Threaded Pluq     | 3    | 607      |
| 2           | Hopper Hold Down Bolt    | 1    | 556      |
| 2           | Block Screws             | 4    | 548      |
|             | Hopper Hold Down Bolt    | 3    | 556      |
| 4           | Hopper Hold Down Bolt    | 1    | 556      |
| 4<br>5<br>6 | X Bolt                   | 1    | 570      |
| 7           | Mold Plate Guard Post    | 2    | 551A     |
| 10          | Screws                   | ×    |          |
| 8           | Hopper Hold Down Bolt    | ī    | 556      |
| 9           | Hopper Nylon Bushing     | 1    | 603      |
| 10          | Hopper Nylon Bushing Set | 1    | 604      |
|             | Screw                    |      |          |
| 11          | Hopper Casting           | ì    | 545      |
|             |                          |      |          |

# Hopper - Back View

|      | 1 1                                      |      |          |
|------|------------------------------------------|------|----------|
| ITEM | DESCRIPTION                              | QTY. | PART NO. |
| 1    | Pressure Plate Block                     | 1    | 547      |
| 2    | Pressure Plate Spring                    | 1    | 549      |
| 3    | Mold Plate Guard Posts                   | 2 .  | 551      |
| 47   | Hopper Casting Chamber<br>Cover Bolts    | 24   | 5458     |
| 5    | Hopper Casting Chamber<br>Cover          | 1    | 545A     |
| 6    | Pressure Plate                           | 1    | 546      |
| 7    | Hopper Hold Down Bolt                    | 1    | 556      |
| 8    | Mold Plate Guide Rail<br>Bolt            | 1    | 495      |
| 9    | Mold Plate Guide Rails                   | 2    | 494      |
| lü   | Pressure Plate Adjustment<br>Bolt Collar | Ţ    | 5468     |
| 11   | Pressure Plate Adjustment<br>Bolt        | 1    | 546A     |
| 12   | Mold Plate Guide Rail                    | 3    | 494      |
| 13   | Mold Plate Guide Rail<br>Bolts           | 1    | 495      |
| 14   | Hopper Hold Down Bolt                    | 1    | 556      |
| 15   | main Shaft                               | 3.   | 464      |
| 16   | Hopper Nylon Bushing Set                 | 1    | 604      |
| 17   | Hopper Nylon Bushing                     | 1    | 603      |
| 18   | Stainless Steel Machine<br>Case          | 1    | 493      |
| 19   | Hopper Casting                           | 1    | 545      |
|      |                                          |      |          |







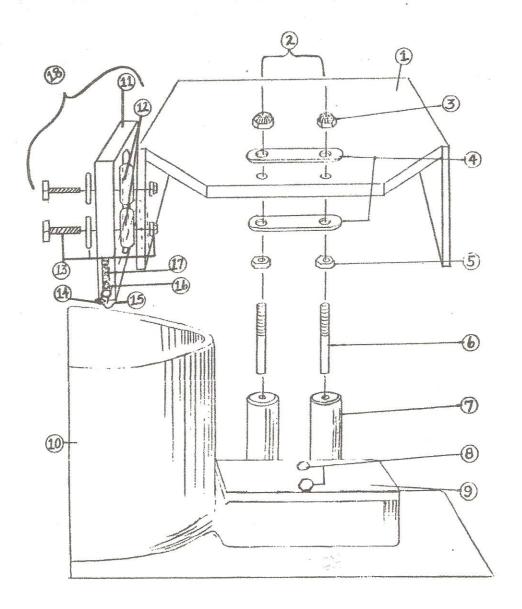
| 1      |       | edistraction grantmines | 1 /- |
|--------|-------|-------------------------|------|
| Hopper | desig | lop                     | View |

|      | • •                                   | •    |          |
|------|---------------------------------------|------|----------|
| ITEM | DESCRIPTION                           | QTY. | PART NO. |
| 1    | Hopper Hold Down Bolt                 | 1    | 556      |
| 2    | Pressure Plate Block                  | 1    | 547      |
| 3    | Pressure Plate                        | 1    | 546      |
| 4    | Hopper Hold Down Bolt                 | 1    | 556      |
| 5    | Hopper Casting                        | 1    | 545      |
| 6    | Collar Set Screw                      | 1    | 559      |
| 7    | Feeder Bolt                           | 1    | 561      |
| 8    | Feeder Hold Down Cover                | 1    | 560      |
| 9    | Feeder                                | 1    | 557      |
| 10   | Hopper Meat Stop & Nut                | 1    | 555      |
| 11   | Feeder Mixer Collar                   | 1    | 558      |
| 12   | Hopper Hold Down Bolt                 | 1    | 556      |
| 13   | Mold Plate Guard Posts                | 2    | 551      |
| 14   | X Bolt                                | 1    | 570      |
| 15   | Hopper Hold Down Bolt                 | 1    | 556      |
| 16   | Hopper Casting Chamber                | ī    | 545A     |
|      | Cover                                 | _    | 3.3      |
| 17   | Hopper Casting Chamber<br>Cover Bolts | 2    | 545B     |
|      |                                       |      |          |

### Hopper - Front View

|      |                                   |      | - 6      |
|------|-----------------------------------|------|----------|
| ITEM | DESCRIPTION                       | QTY. | PART NO. |
| 1    | Mold Plate Guard Posts            | 2    | 551      |
| 2    | Hopper Casting                    | I    | 545      |
| 3    | Feeder Bolt                       | 1    | 561      |
| 4    | Feeder Hold Down Cover            | 1    | 560      |
| 5    | Feeder Mixer Collar               | 1    | 558      |
| 6    | Shear Pin                         | 1    | 562      |
| 7    | Feeder                            | 1    | 557      |
| 8    | Hopper Nylon Rushing              | 1    | 603      |
| 9    | Hopper Nylon Bushing Set<br>Screw | 1    | 604      |
| 10   | Main Shaft                        | 1    | 464      |
| 11   | Hopper Hold Down Bolt             | 1    | 556      |
| 12   | Mold Plate Guide Rails            | 2    | 494      |
| 13   | Mold Plate Guard Post<br>Screws   | 2    | 551A     |
| 14   | Stainless SteelMachine<br>Case    | 1    | 493      |
| 15   | Hopper Hold Down Bolt             | 1    | 556      |
| 16   | X Bolt                            | 1    | 570      |
| 17   | Hopper Casting Chamber<br>Cover   | . 1  | 545A     |
|      |                                   |      |          |

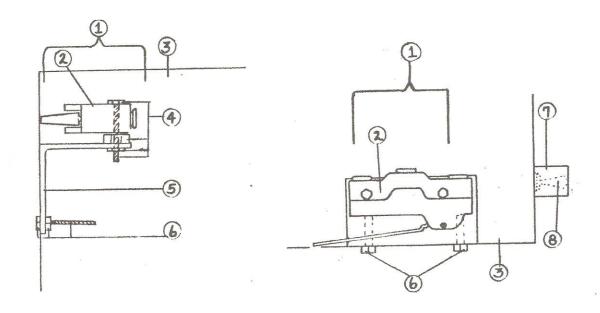




### Mold Plate Guard Assembly

| ITEM                  | DESCRIPTION                                                                             | OTY.  | PART NO.                      | ITEM                 | DESCRIPTION                                                                   | QTY.        | PART NO.                         |
|-----------------------|-----------------------------------------------------------------------------------------|-------|-------------------------------|----------------------|-------------------------------------------------------------------------------|-------------|----------------------------------|
| 1 2 3                 | Mold Plate Guard<br>Peg Assembly<br>Lock Nuts                                           | 1     | 550<br>552<br>552-1<br>552-2  | 10<br>11<br>12<br>13 | Hopper Casting<br>Push Rod Bracket<br>Rubber Washer<br>Push Rod Bracket Bolt, | 1           | 545<br>553-1<br>553-6<br>553-2   |
| 4<br>5<br>6<br>7<br>8 | Clamp Support Plate Hex Nuts Threaded Pegs Mold Plate Guard Post Hopper Casting Chamber | 1 1 2 | 552-3<br>552-4<br>551<br>545B | 14<br>15<br>16       | Washer, & Lock Nut<br>Rod<br>Cotter Pin<br>Rearing<br>Spring                  | 1<br>1<br>1 | 553-5<br>553-7<br>553-4<br>553-3 |
| 9                     | Bolts<br>Hopper Casting Chamber<br>Cover                                                | 1     | 545A                          | 18                   | Push Rod Assembly                                                             | 1           | 553                              |

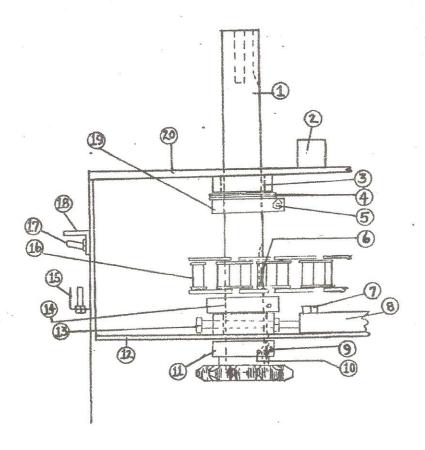




## Interlock Switch Assembly

| ITEM | DESCRIPTION                  | QTY. | PART NO. |
|------|------------------------------|------|----------|
| 1    | Interlock Switch Assembly    | 1    | 608      |
| 2    | Interlock Switch             | 1    | 608-1    |
| 3    | Stainless Steel Machine Case | 1    | 493      |
| 4    | Switch Mounting Bolt, etc.   | 1    | 608-2    |
| 5    | Bracket                      | 1    | 608-3    |
| 6    | Bracket Bolt, etc.           | 1    | 608-4    |
| 7    | Toggle Switch Guard          | 1    | 501      |
| 8    | Toggle Switch                | 1    | 500      |

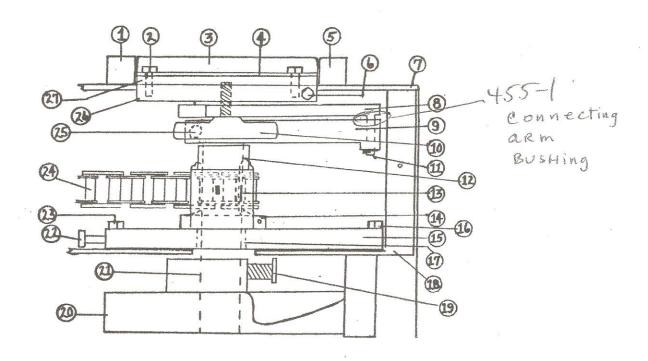




# Main Shaft Assembly

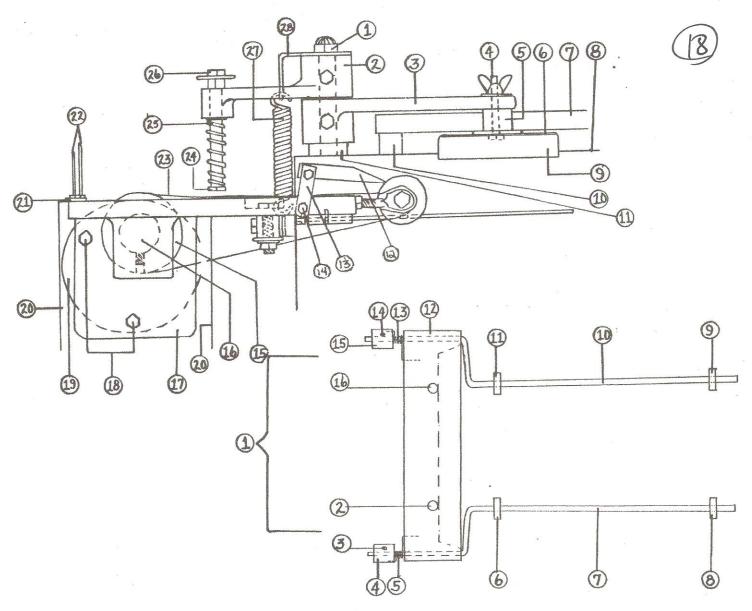
| ITEM      | DESCRIPTION                          | QTY. | PART NO. | ITEM | DESCRIPTION               | OTY. | PART NO. |
|-----------|--------------------------------------|------|----------|------|---------------------------|------|----------|
| F 2 F16.9 |                                      | *    | 454      | 13   | Main Shaft Driven Sprocke | et 1 | 240      |
| 1         | Main Shaft                           | JL.  | 494      | 12   | Machine Housing           | I    | 445      |
| 2         | Mold Plate Guide Rails               | 2.   |          |      |                           | 3    | 463      |
| 3         | Main Shaft Bushing                   | 1    | 470      | 13   | Chain Slack Adjuster      | -    |          |
| A         | Main Shaft Thrust Bearing            | 2    | 469      |      | Bolts, Nuts               |      |          |
| **        | Clamp Nuts & Bolt                    | *    | 458      | 14   | Main Shaft Sprocket       | 1    | 465      |
| Э.,       |                                      | *    | 466      | 15   | Tool Holder               | ī    | 601      |
| 6         | Sprocket Key L"                      | 7    |          | 16   | Master Chaln & Link       | 1.   | 471      |
| 7         | Crank Shaft Nut, etc.                | Ī    | 459      |      |                           | 3    | 500      |
| 8         | Crank Shaft Housing                  | 1    | 457      | 17   | Toggle Switch             | 4.   | 501      |
| q         | Main Shaft Driven Sprocket           | 1    | 241      | 18   | Toggle Switch Guard       | 1    |          |
| 39        |                                      | -    |          | 19   | Main Shaft Clamp          | 1    | 467      |
| 1.0       | key 1"<br>Main Shaft Driven Sprocket | 3    | 242      | 20   | Stainless Steel Machine   | 1    | 493      |
|           | Set Screw                            |      |          |      | Case                      |      |          |





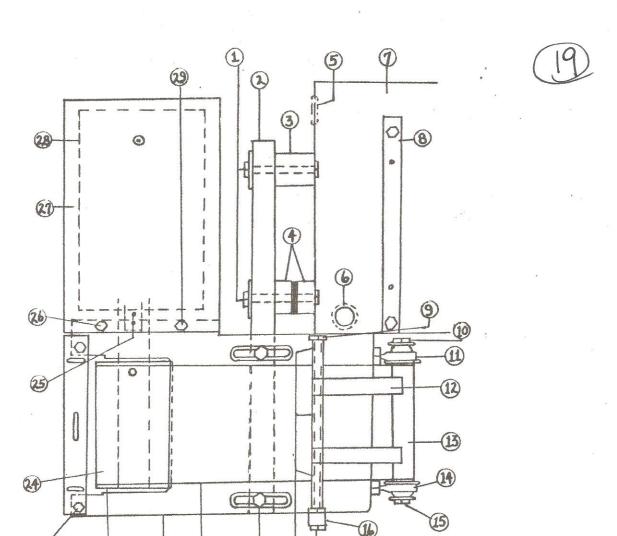
# Crank Shaft Assembly

| ITEM | DESCRIPTION               | QTY. | PART NO. | ITEM  | DESCRIPTION            | QTY.     | PART NO. |
|------|---------------------------|------|----------|-------|------------------------|----------|----------|
| 1    | Mold Plate Guide Rail     | 1    | 494      | 15    | Crank Shaft Housing    | 1        | 457      |
| 4    | Clamp Bolt                | 1    | 568A     | 16    | Crank Shaft Nuts, etc. | 1        | 459      |
| 3    | Spacer Plate              | 1    | 569      | 17    | Crank Shaft Housing    | 3        | 458      |
| 4    | Back Drive Clamp          | 1 -  | 568      |       | Bushing                | 3-       | 4.30     |
| 5    | Mold Plate Guide Rail     | 1    | 494      | 18    | Machine Housing        | 1        | 445      |
| 6    | Back Drive Stop Bolt      | 1    | 565      | 19    | Knock Out Cam Bolt     | î        | 473      |
| 7    | Stainless Steel Machine   | 1    | 493      | 20    | Knock Out Cam          |          |          |
|      | Case                      | _    |          | 21    |                        | 1        | 472      |
| 8    | Connecting Arm            | ¥    | 455      |       | Crank Shaft            | 1        | 456      |
| 9    | Crank Arm                 | *    | 455      | 22    | Chain Slack Adjuster   | 1        | 463      |
| -    |                           | 1    | 452      |       | Bolt, nut              |          |          |
| 10   | T Bolt                    | 1    | 567      | 23    | Crank Shaft Nuts, etc. | 1        | 459      |
| 11   | Connecting Arm Cotter Pin | 1    | 455A     | 24    | Master Chain & Link    | 3        | 471      |
| 12   | Crank Arm Bushing         | 1    | 454      | 25    |                        | <u>.</u> | 100000   |
| 13   | Sprocket Key 1/2"         | 3    |          | 77.73 | Crank Arm Bolt, etc.   | £        | 453      |
| 14   |                           | ~    | 461      | 26    | Mold Plate Back Drive  | 1        | 564      |
| 4.4  | Crank Shaft Sprocket      | 1    | 460      | 27    | Mold Plate             | 1        | 563-1    |



## Interleaver Assembly-Front View

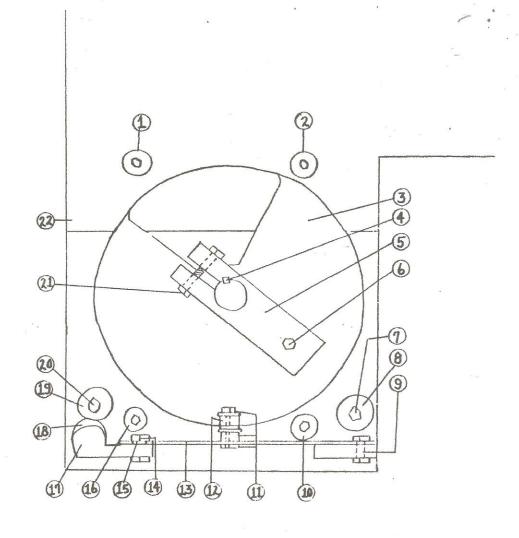
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| Pressure Bolt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          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# Interleaver Assembly - Top View

| ITEM | DESCRIPTION                     | QTY. | PART NO. | ITEM | DESCRIPTION                                 | QTY. | PART NO. |
|------|---------------------------------|------|----------|------|---------------------------------------------|------|----------|
| 1    | P.A.S.B. Bolts, etc.            | 2    | 499      | 18   | Weight Spacer Sleeves                       | 2    | 531      |
| 2    | Paper Attachment Support<br>Bar | 1    | 497      | 19   | Interleaver Casting to<br>Support Bar Bolts | 3    | 539      |
| 3    | P.A. Support Bar Spacer         | 1    | 498      | 20   | Conveyor Belt                               | 1    | 534      |
| 4    | P.A. Support Bar 1/2" Spacer    | 2    | 498A     | 21   | P.I. Casting Frame                          | 1    | 519      |
| 5    | Machine Back Romex Connector    | 1.   | 496      | 22   | P.I. Back Drive Pulley                      | 1    | 520      |
| 6    | Knock Out Bushing               | 1    | 462      | 23   | Pin Holder Screws& Nuts                     | 1    | 526      |
| 7    | Stainless Steel Machine         | 1    | 493      | 24   | Paper Pin Holder                            | 1    | 524      |
|      | Case                            |      |          | 25   | Motor Extension Shaft                       | 1    | 517      |
| 8    | Mold Plate Guide Rails          | 2    | 494      |      | And Screw                                   |      |          |
| 9    | Weight Shaft                    | 1    | 527      | 26   | Motor Cover Bolts                           | 2    | 538      |
| 10   | Pod End Nuts, Bolts, etc.       | 1    | 523      | 27   | Stainless Steel Interlea-                   | 1    | 537      |
| 11   | Rod Ends                        | 1    | 522      |      | ver Motor Cover                             |      |          |
| 12   | Weights                         | 2    | 532      | 28   | Paper Interleaver Motor                     | 1    | 516      |
| 13   | Paper Interleaver Front         | 1    | 521      | 29   | Motor Cover Bolts                           | 2    | 538      |
|      | Pulley                          |      |          |      |                                             |      |          |
| 14   | Rod Ends                        | 1    | 522      |      |                                             |      |          |
| 15   | Rod End Nuts, Bolts, etc.       | 1    | 523      |      |                                             |      |          |
| 16   | Weight Shaft Support            | 1    | 529      |      |                                             |      |          |
| 17   | Weight Shaft Nut                | 1    | 528      |      |                                             |      |          |

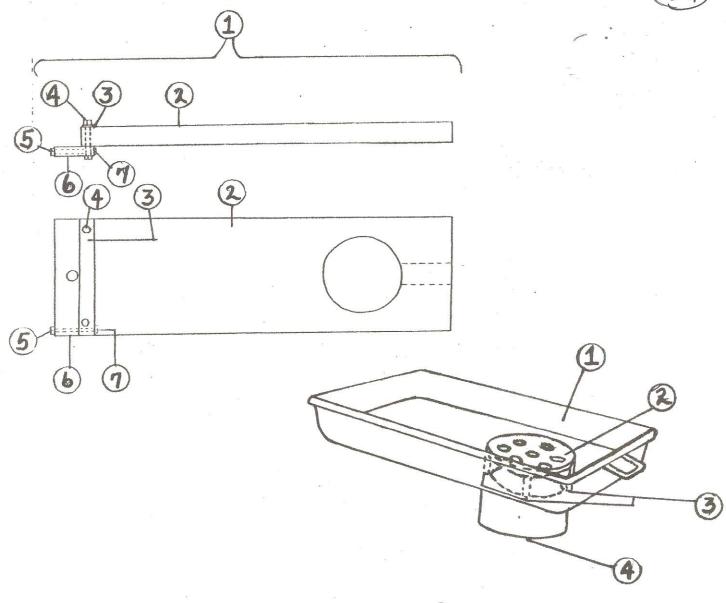




# K.O. Cam Assembly Bottom View

| ITEM | DESCRIPTION                | QTY. | PART NO. | ITEM | DESCRIPTION                 | QTY. | PART NO. |
|------|----------------------------|------|----------|------|-----------------------------|------|----------|
| 1    | Crank Shaft Nuts, etc.     | 1    | 459      | 12   | Cam Yoke Roller Bearing     | 1    | 474      |
| 2    | Crank Shaft Nuts, etc.     | 1    | 459      | 13   | Knock Out Lever             | 1    | 450      |
| 3    | Knock Out Cam              | 1    | 472      | 14   | Knock Out Lever Bushing     | 1    | 450B     |
| 4    | Drive Bar Key              | 1    | 477      |      | Bolt, etc.                  | -    | GUCF     |
| 5    | Knock Out Cam Drive Bar    | 1    | 476      | 15   | Knock Out Lever Bushing     | 1    | 450A     |
| 6    | Drive Bar to Knock Out Cam | 1    | 479      | 16   | Crank Shaft Nuts, etc.      | 1    | 459      |
|      | Support Bolt               |      |          | 17   | Knock Out Shaft             | 1    | 449      |
| 7    | Leg Bolts & Washers        | 1    | 447      | 18   | Knock Out Bushing           | 1    | 462      |
| 8    | Legs                       | 1    | 446      | 19   | Legs                        | 1    | 446      |
| 9    | Knock Out Lever Bolts &    | 1    | 451      | 20   |                             | 3    |          |
|      | Washers                    |      |          |      | Leg Bolts & Washers         | 1    | 447      |
| 10   |                            |      | 459      | 21   | Drive Bar Nuts, Bolts, etc. | 1    | 478      |
|      | Crank Shaft Nuts, etc.     | T    |          | 22   | Machine Housing             | 1    | 445      |
| 11   | Cam Bearing Spacer Bolt,   | 1    | 475      |      | -                           |      | 0.00     |
|      | Nut ato                    |      |          |      |                             |      |          |





### Mold Plate Assembly

| ITEM | DESCRIPTION             | QTY. | PART NO. |
|------|-------------------------|------|----------|
| 1    | Mold Plate Assembly     | 1    | 563      |
| 2    | Mold Plate              | 1    | 563-1    |
| 3    | Back Drive Clamp        | 1    | 568      |
| 4    | Clamp Bolt              | 1    | 568A     |
| 5    | Stop Bolt, Nut & Washer | 1    | 566      |
| 6    | Mold Plate Back Drive   | 1.   | 564      |
| 7    | Back Drive Stop Bolt    | 1    | 565      |

### Pan Assembly

| DESCRIPTION                | QTY.                                                                              | PART NO.                                                                         |
|----------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Feed Pan                   | 1                                                                                 | 541P                                                                             |
| Feed Tray Guard            | 1                                                                                 | 542                                                                              |
| Guard Bolts, Washers       | 3                                                                                 | 543                                                                              |
| Feed Tray Stainless Flange | 1                                                                                 | 554                                                                              |
|                            | Feed Pan<br>Feed Tray Guard<br>Guard Bolts, Washers<br>Feed Tray Stainless Flange | Feed Pan 1 Feed Tray Guard 1 Guard Bolts, Washers 3 Feed Tray Stainless Flange 1 |



### ELECTRICAL CORD/PLUG GROUPS

|                           | ITEM                        | QUANTITY | PART NUMBER |
|---------------------------|-----------------------------|----------|-------------|
|                           | Power Cord Assembly         | 1        | 115-01      |
| 115V., 1Ph.,<br>50/60 Hz. | Plug                        | 1        | 115-02      |
|                           | Cord Assembly-Main Motor    | 1        | 115-03      |
|                           | Cord Assembly-Paper Motor   | 1        | 115-04      |
|                           | Cord Assembly-Safety Switch | 1        | 115-05      |

|              | ITEM                        | QUANTITY | PART NUMBER       |
|--------------|-----------------------------|----------|-------------------|
|              | Power Cord Assembly         | 1        | 220-01            |
| 220V., 1Ph., | Plug                        | 1        | Customer supplies |
| 50/60 Hz.    | Cord Assembly-Main Motor    | 1        | 220-02            |
|              | Cord Assembly-Paper Motor   | 1        | 220-03            |
|              | Cord Assembly-Safety Switch | 1        | 220-04            |

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