

Operation and Maintenance Instructions for your

MEYER EDIBLE NUT CRACKERS

This Cracker is shipped with the hopper bolted into place. BE SURE TO CHECK THE HOPPER BEFORE RUNNING MACHINE TO REMOVE ANY FOREIGN OBJECTS THAT MAY HAVE DROPPED INTO IT DURING SHIPMENT.

To Set Crack Adjustment: Loosen red set screws. Use screwdriver to turn adjustment screw located directly above chain adjustment cap and discharge chute at front of machine. Turn clockwise for harder crack, counter-clockwise for softer crack. After desired adjustment is made, retighten set screw. This adjustment can be made with machine running.

To Adjust Carrier Chain: Remove inspection plate located immediately above the chain adjustment cap. Insert a punch in one of the holes in the adjustment knob. Move punch toward the right to tighten chain, toward the left to loosen chain. Care should be taken to tighten chain only sufficiently to prevent slack. Too tight an adjustment on the chain will result in excessive wear.

IMPORTANT

To Adjust Nut Pockets: On new crackers nut pocket adjustment should be made within two to three weeks after cracker is placed in operation. Inspection of nut pocket adjustment should then be made about twice a month to make sure that the pockets are clearing the cracking die properly. Clearance between the nut pockets and the cracking die, as it moves through the pockets, must be maintained or cracking box parts may be damaged.

To make adjustment the cracker drive pulley should first be turned by hand until the cracking die has moved about half way through the nut pocket. Then loosen the four cap screws in chain adjustment cap and remove inspection plate located immediately above the chain adjustment cap. Insert wrench C-2141 provided for this purpose in slot of the top sprocket shaft. Turn in clockwise direction until the next nut pocket touches the cracking die.

Then turn in counter-clockwise direction until bottom of nut pocket is raised to within 1/16" to 3/32" from the lower edge of cracking die. Replace inspection plate and tighten the four cap screws of the chain adjustment cap. The chain adjustment cap is so arranged that in the event the cap screws do not line up with their screw holes in this procedure, it is only necessary to keep turning adjustment cap until cap screws are lined up within their holes.

To Change Nut Pockets: Insert T-handled wrench provided into socket head screws which fasten nut pockets to carrier chain. Unloosen screws, then remove nut pockets and replace with desired sized nut pocket. In changing from one sized set of nut pockets to another size, it is also necessary to remove the tongue casting** located at the bottom of the nut hopper and cracking die (see next paragraph). To remove tongue casting unscrew 3/8" cap screw, then slide casting out of machine. After pockets have been changed, their position with relation to cracking die should be checked and if necessary adjusted as in preceding instructions.

**#11 and #13 nut pockets use tongue casting #C-2087 while #15 and #18 nut pockets use tongue casting #C-4460. Refer to chart at bottom of drawing C-6108.

To Change Cracking Die: Remove cracking box slide cover, turn pulley counter-clockwise until cracking box is to rear of machine, then place punch against shoulder of back of die and drive forward and out. FOR CORRECT COMBINATION OF NUT POCKETS, TONGUE CASTING AND CRACKING DIE, REFER TO CHART AT BOTTOM OF DRAWING C-6108.

Cracking Box Maintenance: After crackers have been in operation for about six months of daily operation, it is advisable that the cracking box be removed from the cracker for cleaning and relubrication to insure the highest efficiency in cracking die operation.

To Remove Cracking Box: Unscrew knockout nut at rear of machine in order to remove knockout rod. Remove cracking box slide cover, unscrew connecting rod stud and lift box out.

After cracking box has been removed, it can be clamped in a vise, taking care that clamping force is applied only to the bottom plate of the box. Die rack spring may then be removed and 4 screws holding the cracking box cover removed, permitting cover to be removed from the box. After this other parts are simply lifted out.

Cracking box and all parts should be cleaned in a suitable cleaning fluid, such as kerosene or gasoline, and dried. Care should be taken that the small hole in the die rack C-4024 leading to the cracking die is cleaned of all dust and fine shell. This can be done by using a small round brush which can be passed through the hole.