

Dear Home Canner,

Your Burpee Simplex Sealer will save you hours of kitchen drudgery . . . bring you the finest home-canned foods you ever tasted. But, like other mechanical work-savers, it is easiest to operate only when you learn how to use it correctly.

If, at first glance, your Sealer looks as complicated as a new vacuum cleaner or refrigerator, remember how automatically you now use these devices every day. Please read the instructions on the following pages carefully. Follow them closely, step-by-step. Then discover how much work your Burpee Simplex Sealer saves you . . . how wise you were to decide to take advantage of this modern equipment.

Here are a few of the ways your Sealer will simplify your home canning. You waste no time preheating the container. You **finish** the sealing operation completely **before** you process the cans. When using a pressure canner, you waste no time waiting for pressure to go down after processing time is up. You simply open the steam vent and release pressure all at once. Again you save time when you plunge the cans right into cold water instead of waiting for them to cool gradually, "carefully protected against drafts." Tin cans won't break! Just plunge them into cold water to quickly stop cooking action. Then dry, label, store, and you're through.

These same canning-in-tin advantages that save your time, also give you finer canned foods. Better flavor, finer texture, more natural garden fresh color are the results of the quick cooling which prevents overcooking.

Your Home Demonstration Agent will be glad to help you with any canning problem. Should you have questions to ask about your Burpee Simplex Sealer, please feel free to write to me.

Cordially,

Home Economics Dept.  
The Burpee Company

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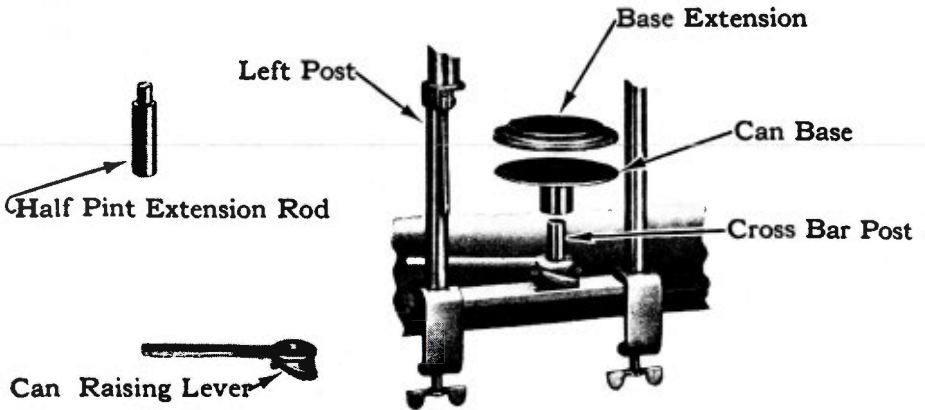
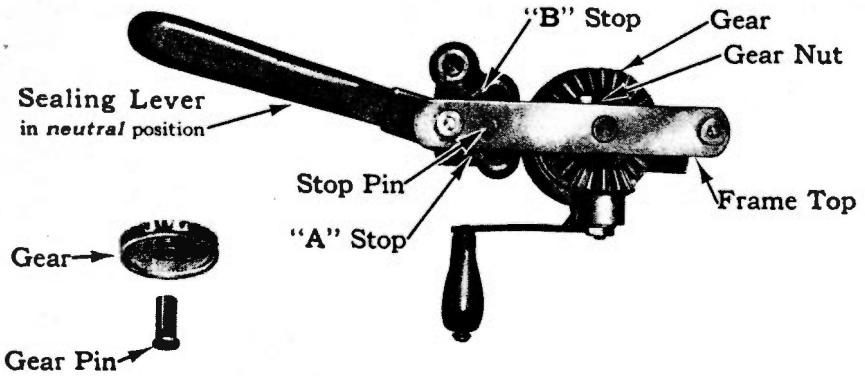
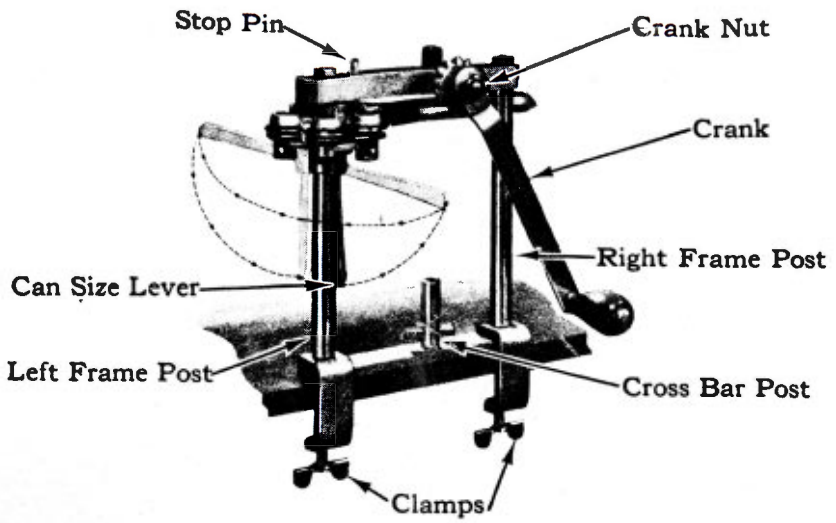
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## TWO MODELS

Burpee Simplex Sealers are made in two models. Model 23 seals quart (#3), pint (#2), and half-pint cans. This model is most commonly sold in all but the West Coast states.

Model 22½ seals near-quart (#2½), pint (#2), and half-pint cans.

If half-pint cans are available in your community, you can order a Half-pint Extension Rod from the Factory to be used with either model.



# HOW TO SET UP

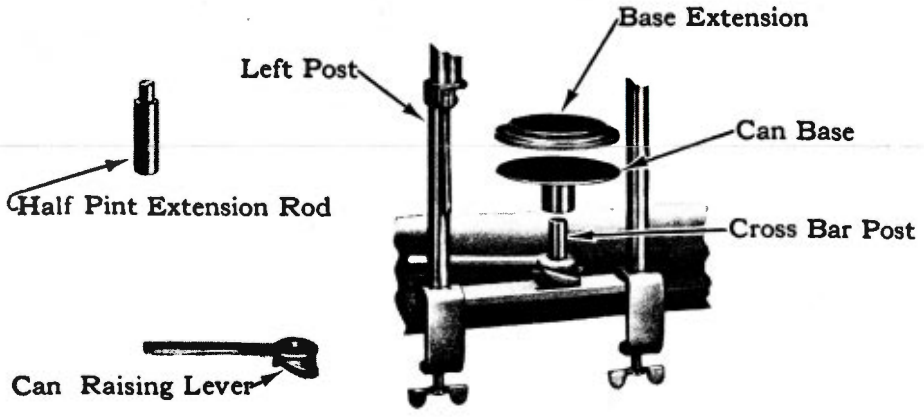
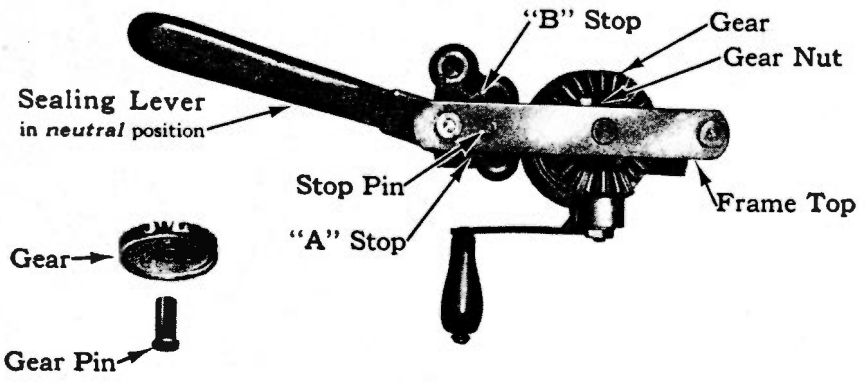
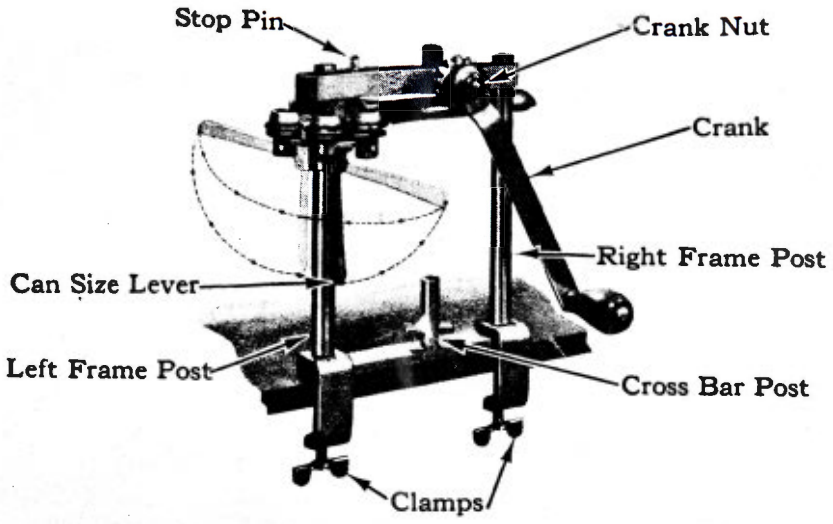
## Your Burpee Simplex Sealer

Carefully Follow Step-By-Step Instructions

### STEP

- 1 - Clamp Sealer Frame to firm table or shelf edge.
- 2 - Fasten Crank to the top of the Sealer Frame. Remove the Crank Nut. Place Crank in position and tighten the Nut.
- 3 - Set the Can Size Lever in correct position for **size can** to be sealed:  
For pint (#2) and half-pint cans — downward against Left Frame Post on same side as Crank.  
For quart (#3) cans and near-quart (#2½) cans — downward against the post on side opposite the Crank.  
To move Can Size Lever from one position to the other, raise Lever to horizontal position, swing to the other side of the Post, and press downward until the Lever is touching the Post.
- 4 - Move Sealing Lever to **neutral** position: Lift the Stop Pin and move the sealing Lever until it is in the position shown. Drop the Stop Pin between Stop "A" and Stop "B".
- 5 - Fasten the correct size Gear to the underside of the Frame Top.  
For pint (#2) and half-pint cans, use the **small** Gear.  
For quart (#3) and near-quart (#2½) cans, use **large** Gear.  
To set Gear in place, loosen the Gear Nut and tap it gently. The Gear Pin will drop down out of the Frame. Insert the Gear Pin into the **smooth** side of the Gear and push the Pin up into the Frame, permitting the cogs of the Gear to mesh with the cogs of the Crank. Fasten in this position by tightening the Gear Nut firmly — do not force.
- 6 - Place Can Raising Lever on the Cross Bar Post at bottom of the Frame. Can Raising Lever is in "lowered" position when touching the Left Post.
- 7 - Place Base on top of the Can Raising Lever as shown.  
For quart (#3) cans, use #3 Can Base.  
For near-quart (#2½) cans, use #2½ Can Base.  
For pint (#2) cans on Model 22½, use #2 Base.  
For pint (#2) cans on Model 23, use Base Extension on top of #3 Base.  
For half-pint cans, place Half-pint Extension Rod between Can Raising Lever and Base.

Now your Burpee Simplex Sealer is ready to use. It need not be dismantled for storing in the shipping carton.





# HOW TO SET UP

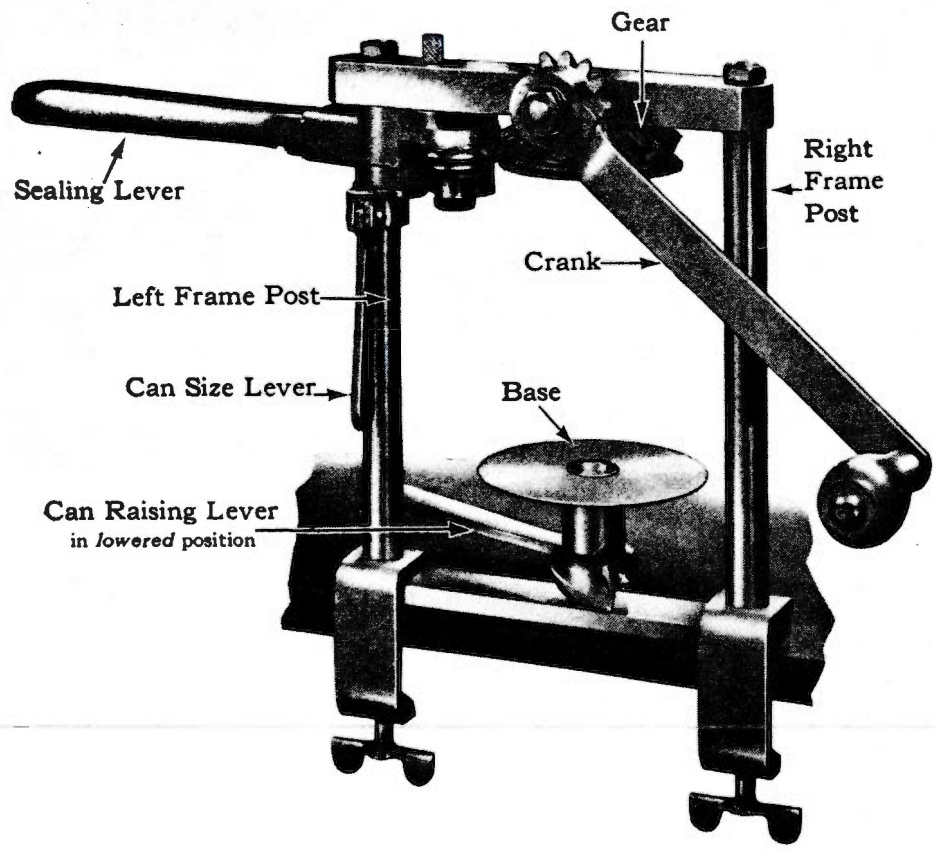
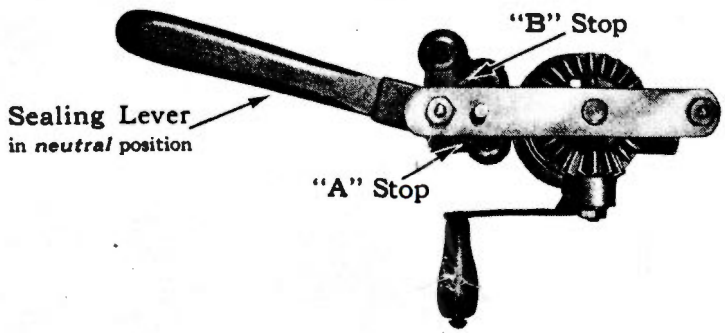
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- 4 - Move Sealing Lever to **neutral** position: Lift the Stop Pin and move the sealing Lever until it is in the position shown. Drop the Stop Pin between Stop "A" and Stop "B".
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For pint (#2) and half-pint cans, use the **small** Gear.  
For quart (#3) and near-quart (#2½) cans, use **large** Gear.  
To set Gear in place, loosen the Gear Nut and tap it gently. The Gear Pin will drop down out of the Frame. Insert the Gear Pin into the **smooth** side of the Gear and push the Pin up into the Frame, permitting the cogs of the Gear to mesh with the cogs of the Crank. Fasten in this position by tightening the Gear Nut firmly — do not force.
- 6 - Place Can Raising Lever on the Cross Bar Post at bottom of the Frame. Can Raising Lever is in "lowered" position when touching the Left Post.
- 7 - Place Base on top of the Can Raising Lever as shown.  
For quart (#3) cans, use #3 Can Base.  
For near-quart (#2½) cans, use #2½ Can Base.  
For pint (#2) cans on Model 22½, use #2 Base.  
For pint (#2) cans on Model 23, use Base Extension on top of #3 Base.  
For half-pint cans, place Half-pint Extension Rod between Can Raising Lever and Base.

Now your Burpee Simplex Sealer is ready to use. It need not be dismantled for storing in the shipping carton.



# HOW TO SEAL A CAN

Carefully follow step-by-step instructions. With a little practice, you will quickly discover how much faster and easier it is to can in tin **THE BURPEE WAY.**

## STEP

- 1 - Clamp Sealer firmly to sturdy table or solid shelf.
- 2 - Move Sealing Lever to **neutral** position: Lift Stop Pin and move Sealing Lever until, looking down on top of the Sealer, you can see both "A" Stop and "B" Stop as in illustration. Drop Stop Pin.
- 3 - Adjust Sealer for the size can to be sealed.  
(Steps 3, 5, and 7 on page 5.)

Size Can	Can Size Lever	Size Gear	Size Base
Quart	Step 3, page 5.	Large (#3 )	#3 Base
Near-quart	Step 3, page 5.	Large (#2½)	#2½ Base
Pint and half-pint	Step 3, page 5.	Small (#2 )	#3 Base with Extension Plate on Model 23 #2 Base on Model 22½

- 4 - Place Can Raising Lever in **lowered** position against Left Frame Post.
- 5 - Place can to be sealed on the Base (with cover on top of can).
- 6 - Raise can into sealing position by moving the Can Raising Lever to the right until it touches the Right Frame Post.
- 7 - With the right hand, turn Crank rapidly in clockwise direction to revolve the can. At the same time, with the left hand, push the Sealing Lever **slowly** away from you in the direction labeled "1st" on top of the Sealing Lever.\*  
After you have pushed the Sealing Lever away **slowly** as far as it will go, spin Crank several more times. This completes the "1st operation."
- 8 - Continue to turn the Crank rapidly clockwise with the right hand, pull the Sealing Lever all the way back toward you in direction labeled "2nd" on top of the Sealing Lever. This movement need not be gradual.  
Several full turns of the Crank which now turns slightly harder, will complete the "2nd operation."
- 9 - Move Sealing Lever back to neutral position (midway between "A" and "B" Stops).
- 10 - Lower the can by moving the Can Raising Lever back against the Left Frame Post. If can does not lower with the Base, tap can to loosen it from the Gear.

**\*IMPORTANT**—Unless Sealing Lever is pushed forward gradually, an imperfect seal may result. During this "1st operation" the Roller must gradually and smoothly roll the edges of can and cover together.



# HOW TO OPEN A CAN

## STEP

- 1 - Lift the Stop Pin and push the Sealing Lever away from you until the Pin drops between "B" Stop and "C" Stop.
- 2 - Pull the Sealing Lever toward you as far as it will come (the Stop Pin resting against "B" Stop).
- 3 - Place the can on the Base and raise it into position by moving the Can Raising Lever all the way to the Right Frame Post.
- 4 - Revolve the can by turning the Crank. At the same time, push the Sealing Lever away from you. This moves the Cutting Roller against the can and a few turns of the Crank will cut the top just underneath the seal.
- 5 - Pull the Sealing Lever back so that the cutting edge is away from the can. Lower the can by moving the Can Raising Lever over to the Left Frame Post.

If the can does not drop down freely from the Gear, or if the top sticks to the Gear, it can be loosened by lifting the Stop Pin and pulling the Sealing Lever toward you into the 2nd sealing operation. In this position give the Crank a few turns and the can and top will drop off.

## HOW TO OPEN AND SEAL REFLANGED CANS

Each time a can is cut, it is 3/16" shorter than before. To make up for this difference in the height of the can and to make the shorter can fit into the Sealer properly, two Distance Washers are supplied. To seal a can which has had **one** end cut off, **one** Washer should be placed between the Can Raising Lever and the Base. To seal a can which has had the second end cut off, both Washers should be placed between the Can Raising Lever and the Base. Then proceed with the step-by-step directions for sealing a can.

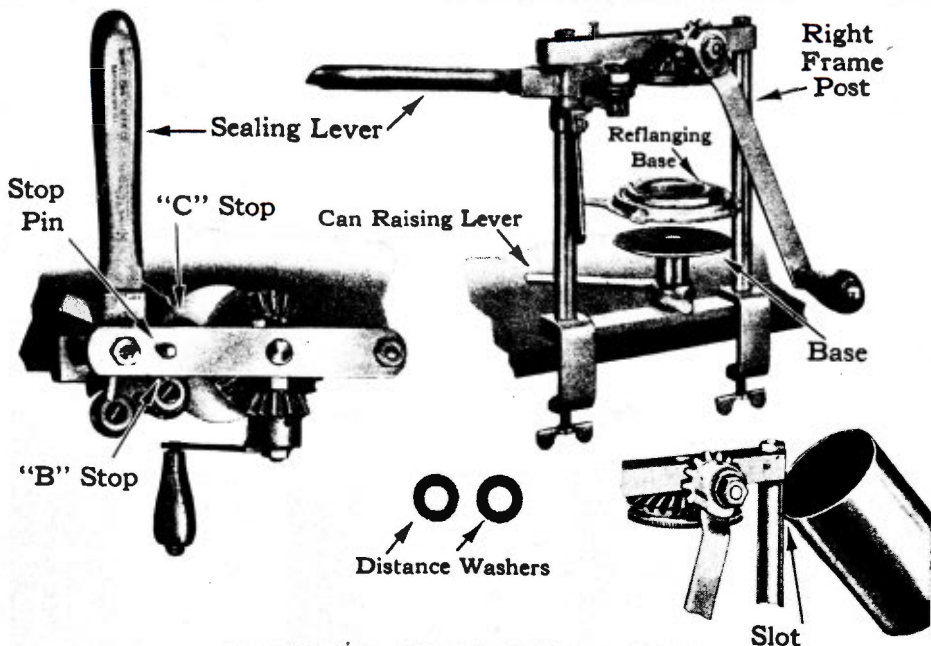
To open a can which has been opened **once** before, **one** Washer should be placed between the Can Raising Lever and the Base. To open a can which has been opened twice before, see instructions under HOW TO USE A CAN THREE TIMES, then place **two** Washers between the Can Raising Lever and the Base.

## HOW TO USE A CAN THREE TIMES

To can in tin economically, use each can three times. 1—Use the can as it comes to you in a shipping carton. 2—To open this time, cut off either end. When ready to use this second time, reflare the opened end. Use, and seal cover on, marking this cover with an "X". When ready to use this third time, reflare the opened end. Use and seal cover on.

A wet indelible pencil, nail or other sharp piece of metal may be used to mark "X" on can cover.

Keep the carton in which cans are delivered to you. It makes an ideal container for storing empty cans—light in weight and easy to place on a high shelf or other convenient spot.



## HOW TO REFLANGE A CAN

Each can must be reflanged before it is used a second or third time.

### STEP

1 - Adjust Sealer for the size to be reflanged.

Size Can	Can Size Lever	Size Gear	Base
Quart	Step 3, page 5.	Large (#3 )	See Step 2 below.
Pint and half-pint	Step 3, page 5.	Small (#2 )	See Step 2 below.
Near-quart	Step 3, page 5.	Large (#2½)	See Step 2 below.

2 - Set Reflanging Base in place: On Model 23 Sealer, to reflange both quart and pint cans, use Reflanging Base on top of #3 Base. On Model 22½ use Reflanging Base directly on top of Can Raising Lever.

To reflange a can the second time, place a Distance Washer on top of the Can Raising Lever before the Base or Reflanging Base are put in place.

3 - Set Sealing Lever in **neutral** position with Stop Pin between "A" Stop and "B" Stop.

4 - Bend the seam of the can outward: Insert the seam of the can in the Slot in Right Frame Post. Bend can downward slightly. This prevents seam from splitting during reflanging of can. See illustration.

5 - Place can in Sealer, open end **down**, on top of Reflanging Base.

6 - Move the Can Raising Lever with the left hand to raise the can until the bottom of the can is tightly pressed against the Gear. (Can Raising Lever will not touch Right Frame Post.)

7 - Turn the Crank to revolve the can. At the same time, **slowly** push the Can Raising Lever until it touches the Right Frame Post. (If the can does not revolve when Crank is turned, pull the Sealing Lever forward to the "2nd operation" position. The Roller will hold the can edge against the Gear.)

8 - Remove the can by swinging the Can Raising Lever around to the Left Frame Post. (If the Sealing Lever has been used, move it to **neutral** position before lowering the can.)

# HOW TO ADJUST SEALING AND CUTTING ROLLERS

If, for any reason, your Sealer is out of adjustment, you yourself can adjust the Rollers. If you believe that the Sealer is not sealing cans airtight—

## TEST FOR AIRTIGHT SEAL

Pour two tablespoons of water into an empty can and seal. Bring a deep saucepan of water to a boil and remove from the heat. When bubbles disappear from the surface, immerse the can until covered by the water. This heats water in the can and creates pressure within the can—not enough pressure to cause the can to burst.

Keep the can under the surface of the water for five minutes. If no bubbles come from the can and break on surface of the water, the seal is airtight.

If, bubbles do rise from the can, the seal is not perfect.

## TO ADJUST SEALING ROLLERS

Use the two Gauge Wires, packed with the Sealer, to test the adjustment of the Sealing Rollers.

**TO ADJUST THE 1ST OPERATION ROLLER:** Push the Sealing Lever as far as it will go in the direction of the arrow labeled "1st" on the top of the Sealing Lever. Now, slip the **larger** Gauge Wire into the space between the 1st Operation Roller and the edge of the Gear. If the wire goes in too loosely or too tightly, the Roller needs adjustment. If the wire slides through with a gentle pressure, the Roller is correctly adjusted.

To adjust, loosen the Nut underneath the Roller. With a screw driver, turn the eccentric (off center) Pin at the top of the Roller.

To move the Roller **closer** to the Gear, turn the Pin counter clockwise (in the opposite direction of the hands of the clock).

To move the Roller **away** from the Gear, turn the Pin clockwise.

Use the **Larger** Gauge Wire again to test the adjustment.

**TO ADJUST THE 2ND OPERATION ROLLER:** Pull the Sealing Lever as far as it will go toward the direction of the arrow marked "2nd" on the top of the Sealing Lever. Now, use the **smaller** Gauge Wire to test the adjustment of this Roller. If it needs to be adjusted, follow the same steps used in adjusting the 1st Operation Roller. Be sure to tighten the Nut when the correct adjustment has been made.

**NOTE:** The above instructions are given for adjusting Rollers when can covers with paper gaskets are used. If covers with composition gaskets are used, the Rollers should be adjusted slightly tighter.

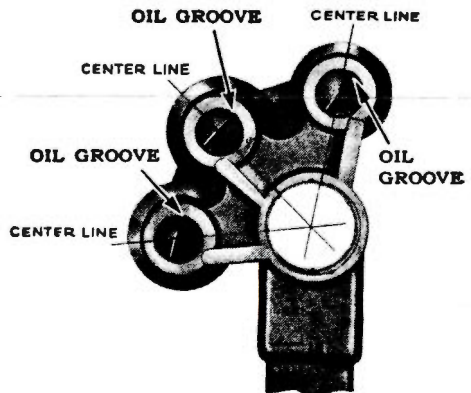
## TO ADJUST CUTTING ROLLER

If Cutting Roller fails to cut the can, it should be adjusted closer to the Gear. If can edge is wrinkled in cutting, the Cutting Roller is adjusted too close to the Gear and should be adjusted away from the Gear.

To adjust the Cutting Roller, loosen the Nut on the lower side of the Roller assembly. Turn the Roller Pin counter-clockwise to move it closer to the Gear. Or turn it clockwise to move it away from the Gear. Tighten the Nut firmly after adjustment while holding the Pin in correct adjustment with a screw driver.

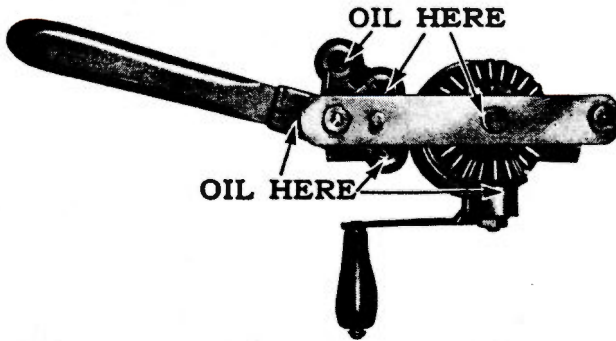
When a Roller is correctly adjusted, the oil groove in the eccentric pin should be to the right of an imaginary line drawn from the center of the Left Frame Post through the center of the Roller.

**CAUTION:** The Cutting Roller and Sealing Rollers should **never** touch the Gear. If the Gear is moved while touching one of the Rollers, it will seriously damage the Roller.





## HOW TO TAKE CARE OF YOUR SIMPLEX SEALER



Like all valuable home equipment, your Burpee Simplex Sealer will give you best service when you give it good care.

**OILING:** Oil your Sealer frequently in the places indicated in the illustrations on this and opposite page. Also place a few drops of oil on top of Cross Bar Post at bottom of Frame, then set Can Base and Can Raising Lever in place.

**CLEANING:** After using your Sealer, give it a thorough cleaning. Rinse in clean, hot water. Carefully dry all parts. Sealing Rollers should be thoroughly dried and brushed with oil to prevent rust.

### SUGGESTIONS

Once you have set up your Sealer, it is not necessary to dismantle it for storage. Lift the Stop Pin and swing the Sealing Lever around flat against the Frame Top. In this position, the Sealer can be kept in its shipping carton, clean and free from dust.

If space permits, keep your Sealer set up in a convenient place ready for use at any time.

With your Sealer always at hand, you can open, reflare and store your cans ready for quick use again at canning time.

Store your empty cans in as dry a place as possible. As a further precaution against rust, place a piece of crumpled newspaper in each empty can as you set it aside for later use.

Your Burpee Simplex Sealer is made of steel throughout. Parts subject to wear are specially tempered or case-hardened steel.

In time, constant use may dull the Cutting Roller; however, you can obtain a new one for the nominal price of 70c from the factory.

**THE** *Burpee* **WAY**

*Saves WORK*

*Saves FOOD*

*Saves FLAVOR*