

# ASSEMBLY, OPERATING INSTRUCTIONS AND PARTS LIST FOR GRINDER ATTACHMENT

**MODEL NUMBER 335.19495**

Always mention the Model Number in all correspondence regarding your Grinding Attachment when ordering repair parts.

## HOW TO ORDER REPAIR PARTS

All parts listed herein may be ordered through SEARS, ROEBUCK AND CO. or SIMPSONS-SEARS LIMITED. When ordering parts by mail from the mail order house which serves the territory in which you live, selling prices will be furnished on request or parts will be shipped at prevailing prices and you will be billed accordingly.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION AS SHOWN IN THIS LIST:

1. The PART NUMBER.
2. The PART NAME.
3. The MODEL NUMBER
4. The NAME of item.

## COAST TO COAST NATION-WIDE SERVICE FROM SEARS



SEARS, ROEBUCK AND CO. and SIMPSONS-SEARS LIMITED in Canada back up your investment with quick, expert mechanical service and genuine CRAFTSMAN replacement parts.

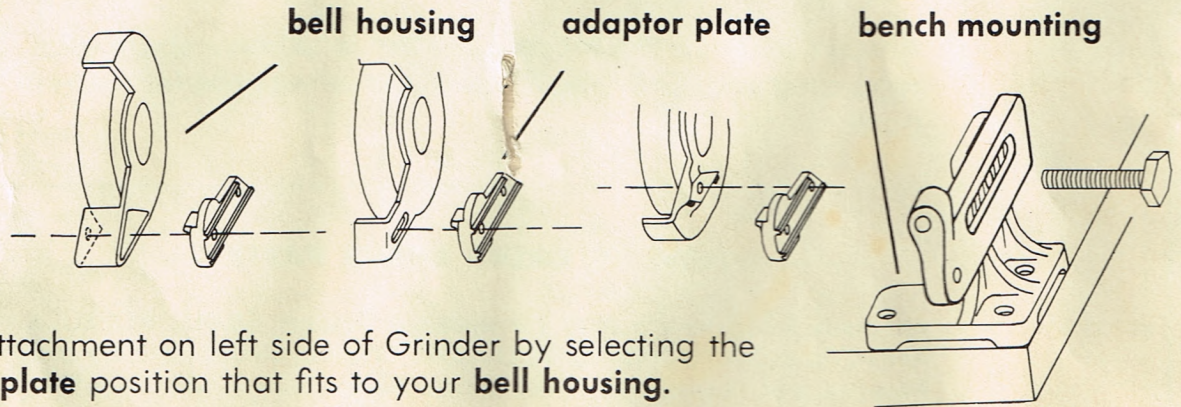
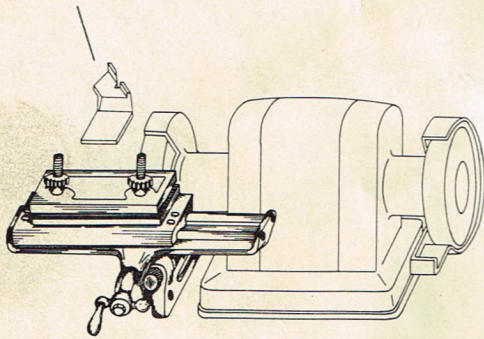
If and when you need repairs or service, call on us to protect your investment in this fine piece of equipment.

SOLD BY:

**SEARS, ROEBUCK AND CO., CHICAGO, ILLINOIS. 60607 U.S.A.  
and SIMPSONS-SEARS LIMITED, TORONTO**

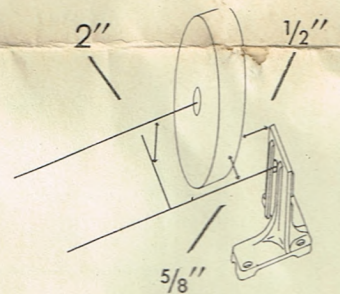
# OPERATING INSTRUCTIONS

Blade Guide



Mount attachment on left side of Grinder by selecting the **adaptor plate** position that fits to your **bell housing**.

When using **bench mounting**, attachment may be mounted on either side.  
(You may have to shim bench mounting or unit.)



Your Grinding Attachment has a **tool clamp** that provides angle slots of different sizes and angles to hold a large variety of tools. The other side of the **tool clamp** is used mostly for flat work. The attachment has a four inch travel with tilt adjustment. Using a dresser in the **tool clamp** will align your wheel true with your attachment.

HOLLOW GRINDING is done on the face of the wheel. The length of the grind is regulated by the position of the tool on the wheel. Tools such as screw drivers and cold chisels that are ground on both sides, are put in fixture and trued by pressing flat side of the tool against the standing wheel with finger or thumb, while tightening the **tool clamp**. Back tool away from wheel slightly with the **pivot screw**. Start the motor, then feed the tool lightly into the wheel with the **pivot screw** at the same time keep an even back and forth motion, traveling past the wheel each time. When sharpened, turn the tool over and repeat the process. To avoid softening the steel, do not feed the work into wheel so it overheats. Smoking the cutting edge with a match or die makers blue is helpful to see where you are grinding. A mirror is helpful in seeing the underside of the tool, before removing.

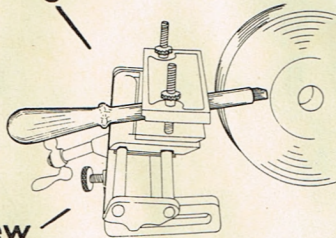
## WEAR SAFETY GOGGLES WHEN GRINDING

The art of grinding is to hold the work at the exact angle (desired degree). Then move the work freely across the wheel, removing a slight amount of material at a time. By maintaining a well dressed, trued and shaped wheel; grinding is a simple task.

### SAFETY RULES

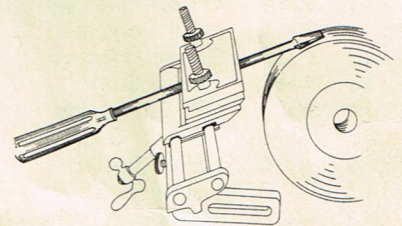
- Do not grind on side of wheels
- Use guard and shatterproof glass shield
- For all wheels, never exceed RPM shown
- Stand aside one minute after starting wheel
- Follow safety instructions shown on grinding wheels

slide housing

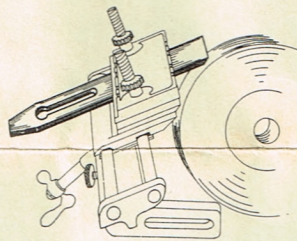


pivot screw

Truing Side of Wheel

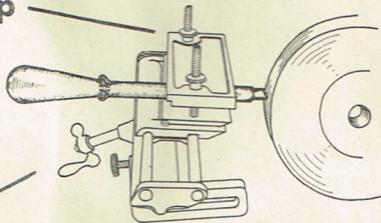


Hollow Grinding  
Screw Driver



Hollow Grinding  
Blades — Chisels

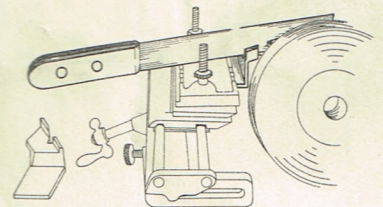
tool clamp



travel knob

Truing Wheel

( DRESSING )



Sharpening  
Knives — Long Blades

DRESSING is the cleaning of the grinding wheel, the picking, shearing or crushing action of a dresser. This removes the loaded material from the cutting face of the wheel, exposing the new sharp abrasive grains in the wheel.

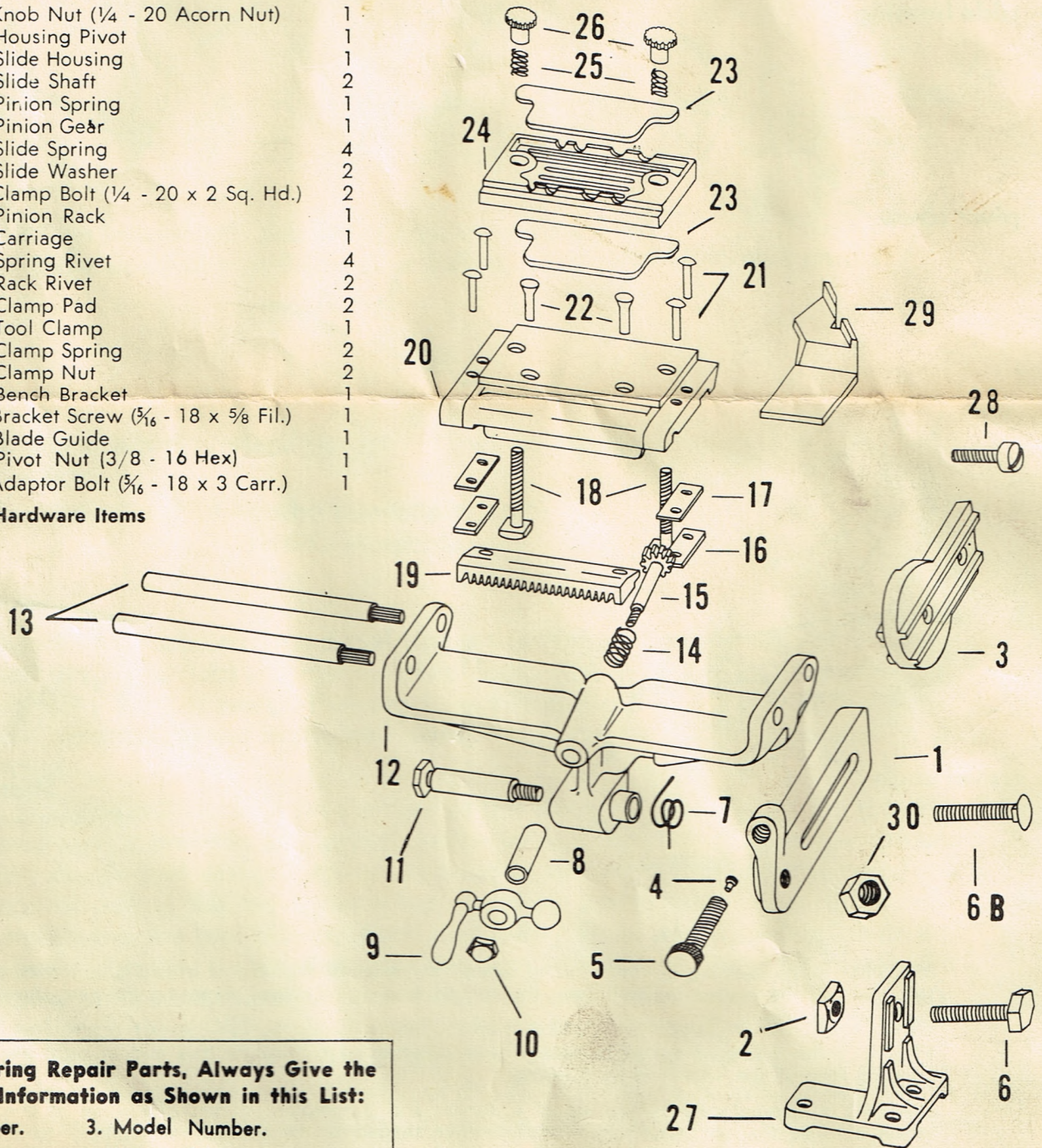
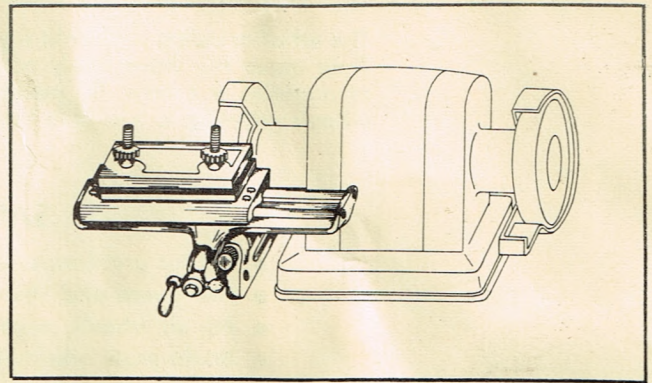
TRUING is the truing of out of balance wheels. Dresser edge must be true and at right angle to the grinding face of the wheel when dressing.

SHAPING is accomplished by the use of a dresser and a template shaped the same as the grinding wheel is to be shaped. Some convex and concave shapes can be created free hand.

# PARTS LIST MODEL 19495

REF. No.	PART No.	PART NAME	No. REQ.
1	9001	Housing Plate	1
2	9002	★Adaptor Nut ( $\frac{5}{16}$ - 18 Square)	1
3	9003	Adaptor Plate	1
4	9004	Screw Tip	1
5	9005	Pivot Screw	1
6	9006	★Adaptor Bolt ( $\frac{5}{16}$ - 18 x $1\frac{3}{4}$ Hex.)	1
7	9007	Pivot Spring	1
8	9008	Knob Spacer	1
9	9009	Travel Knob	1
10	9010	★Knob Nut ( $\frac{1}{4}$ - 20 Acorn Nut)	1
11	9011	Housing Pivot	1
12	9012	Slide Housing	1
13	9013	Slide Shaft	2
14	9014	Pinion Spring	1
15	9015	Pinion Gear	1
16	9016	Slide Spring	4
17	9017	Slide Washer	2
18	9018	★Clamp Bolt ( $\frac{1}{4}$ - 20 x 2 Sq. Hd.)	2
19	9019	Pinion Rack	1
20	9020	Carriage	1
21	9021	Spring Rivet	4
22	9022	Rack Rivet	2
23	9023	Clamp Pad	2
24	9024	Tool Clamp	1
25	9025	Clamp Spring	2
26	9026	Clamp Nut	2
27	9027	Bench Bracket	1
28	9028	★Bracket Screw ( $\frac{5}{16}$ - 18 x $\frac{5}{8}$ Fil.)	1
29	9029	Blade Guide	1
30	9030	★Pivot Nut ( $\frac{3}{8}$ - 16 Hex)	1
6B	9035	★Adaptor Bolt ( $\frac{5}{16}$ - 18 x 3 Carr.)	1

★ Standard Hardware Items



**When Ordering Repair Parts, Always Give the Following Information as Shown in this List:**

- |                 |                  |
|-----------------|------------------|
| 1. Part Number. | 3. Model Number. |
| 2. Part Name.   | 4. Name of Item  |