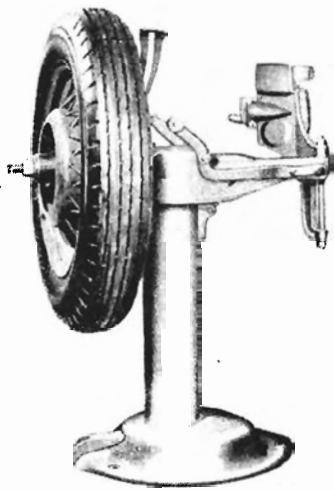


INSTRUCTIONS FOR

FOR INSTALLATION IN

BEAN WHEEL

HOW TO BALANCE



STATIC BALANCE

WHEEL LESS HUB AND DRUM

WHEEL WITH HUB AND DRUM

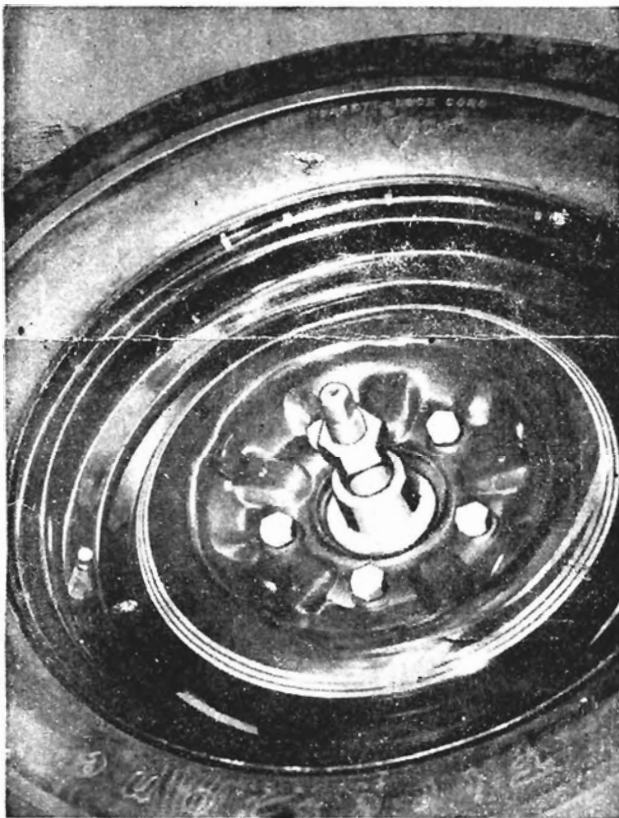


FIG. NO. 1

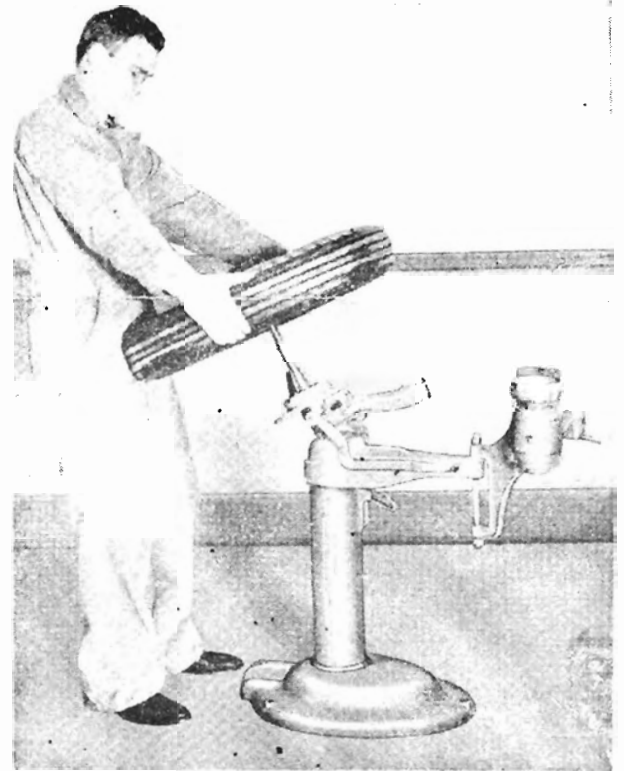


FIG. NO. 2

Tires should be in good condition and properly mounted. See that wheel and tire assembly free from dirt and stones before placing on balancer arbor.

When balancing front wheels, always use the complete wheel, hub, drum and tire assembly wherever possible. Wheels without hubs and drum can be attached to special face plates with steel studs. (Face plates should be placed, hub side up, on arbor while arbor is in position as shown in Fig. (2). Lock plate to arbor by using spacer and nut. Place wheel on plate and lock tight with steel studs.

To balance complete wheel assembly, remove inner ball or roller bearings. With balancer arbor in position as shown in Fig. (2), place the wheel on the arbor with brake drum down.

HOW TO BALANCE

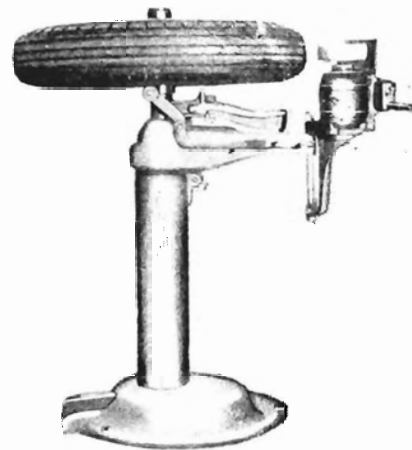
OPERATING 55-J

INSTRUCTIONS SEE OTHER SIDE

BALANCER

ICE STATICALLY

TIPPING WHEEL



DYNAMIC BALANCE

LOCATING STATIC WEIGHT POSITION

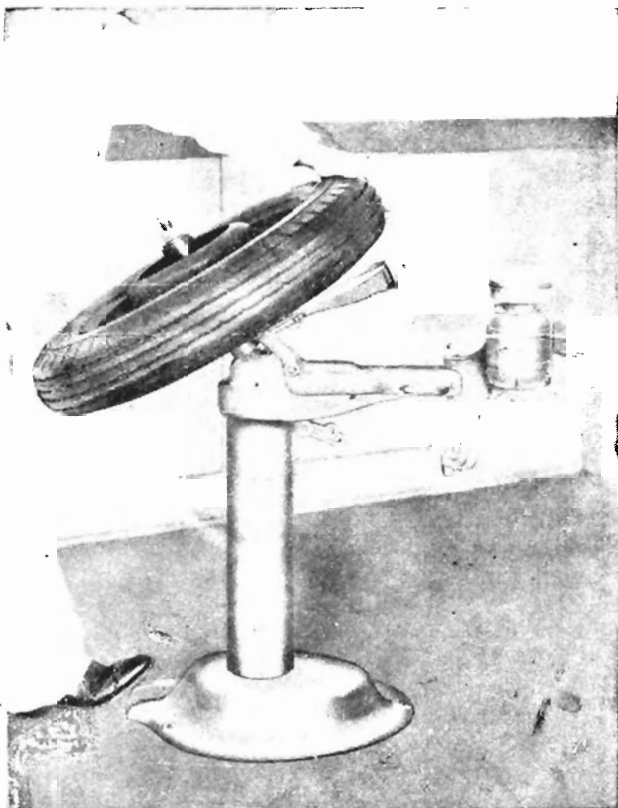


FIG. NO. 3

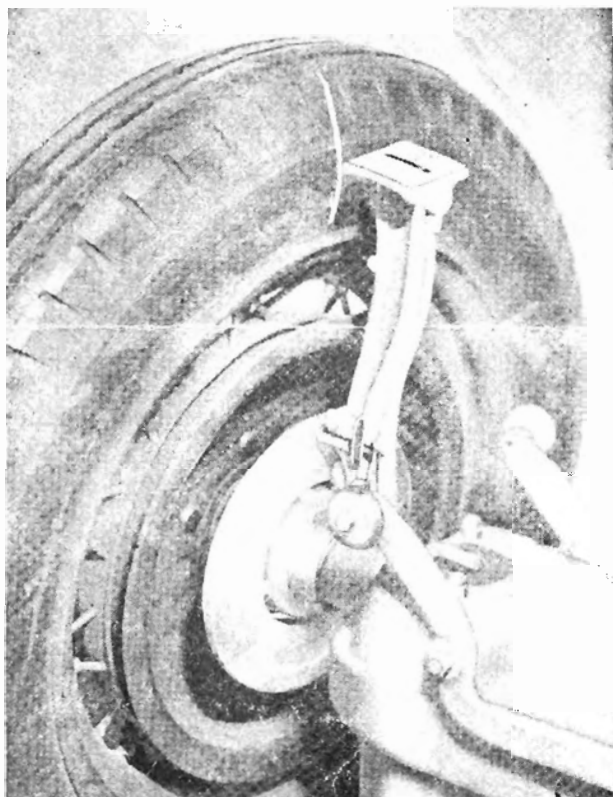


FIG. NO. 4

Tighten arbor nut to prevent wheel turning on arbor. Tip wheel to vertical position, Fig. (3).

Allow wheel to come to rest. With the indicator casting in a vertical position chalk tire directly in line with slot of scale. See Fig. (4). This mark will be 180°, or directly across, from the heavy spot in the wheel assembly.

Place weight on rim at chalk mark. Turn wheel 90°. If weight goes down, use less weight. If weight goes up add more weight. If wheel can not be balanced with one weight, use two weights of equal size and place equal distance from chalk mark and spread to give proper balance. Wheel will rest in any position if statically balanced.

ICE DYNAMICALLY

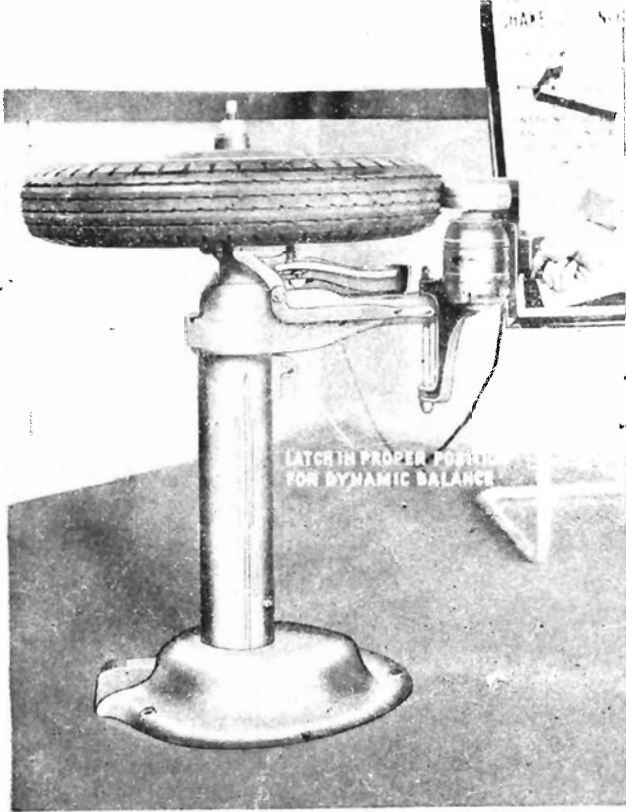


FIG. NO. 5

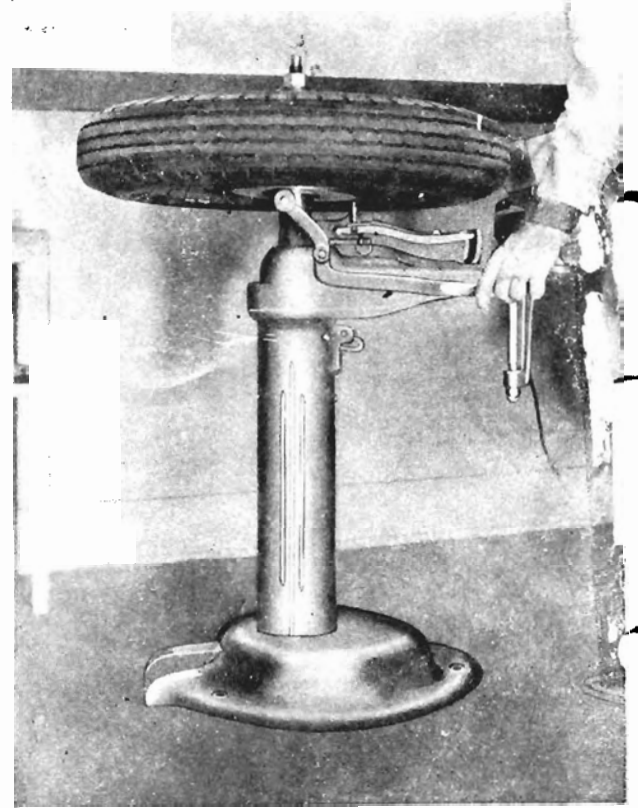


FIG. NO. 6

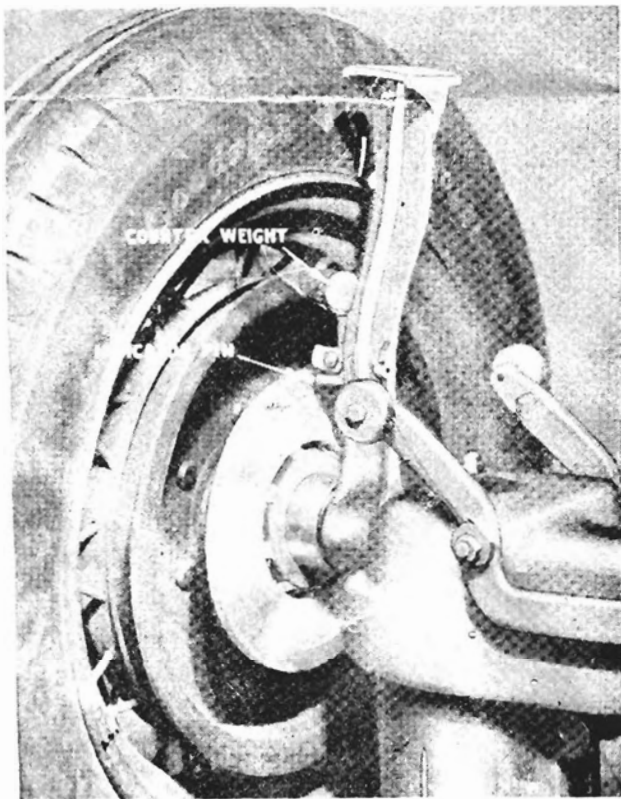


FIG. NO. 9

After static balance is completed, tip wheel to horizontal position and latch under top casting is in vertical position and spin wheel for about 20 seconds. Release pull

With wheel revolving, press leveling lever down against stop. Hold lever against stop for about 10 seconds. Slowly stop wheel by soft brake application to hub. Press foot lever and tip wheel into vertical position. Raise counterweight as shown in Fig. (9).

Slowly revolve wheel, slide scale with fingers so that pointer is at maximum "outside" reading. Stop wheel with pointer at maximum "outside" reading and repeat above dynamic operation. This procedure will reduce the amount of weight in ounces indicated on scale to a minimum.

Note number appearing on leveling plate in window. Revolve wheel half turn until corresponding number is under indicator pin.

With wheel in this position, apply same size weight as first dynamic weight.

EXAMPLE: If pointer varies from 2 to 2 on a scale, place a 2 oz. weight on outside of wheel 180° apart. Fig. (10).

The scale is graduated for average size and weight. Larger wheels require more weight while smaller wheels require less. Recheck for static balance. (Dynamic balance complete.) Return wheel to horizontal position and recheck.

MAINTENANCE

The action of the oilite leveling buttons against the leveling plate faces to collect dirt which should be cleaned with a brush.

The two bearings should be lubricated with a light oil. Turn up lower cone and inject oil in the two small holes in the shield and allow to run inside.

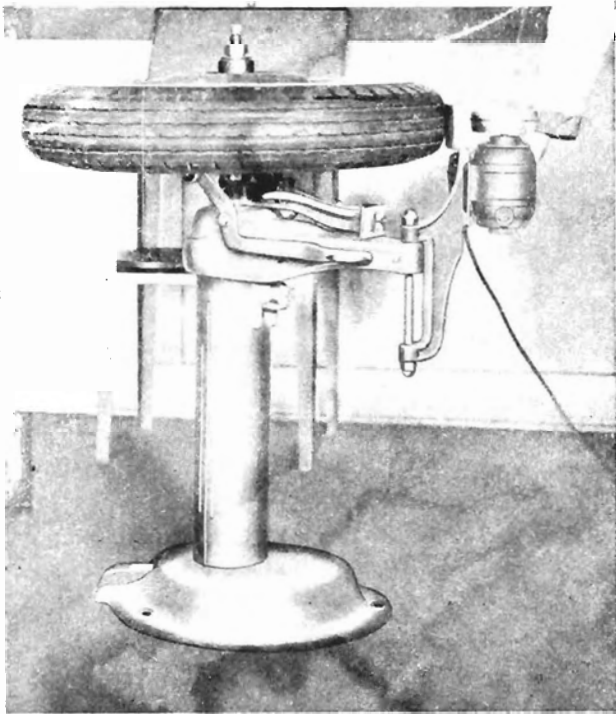


FIG. NO. 7

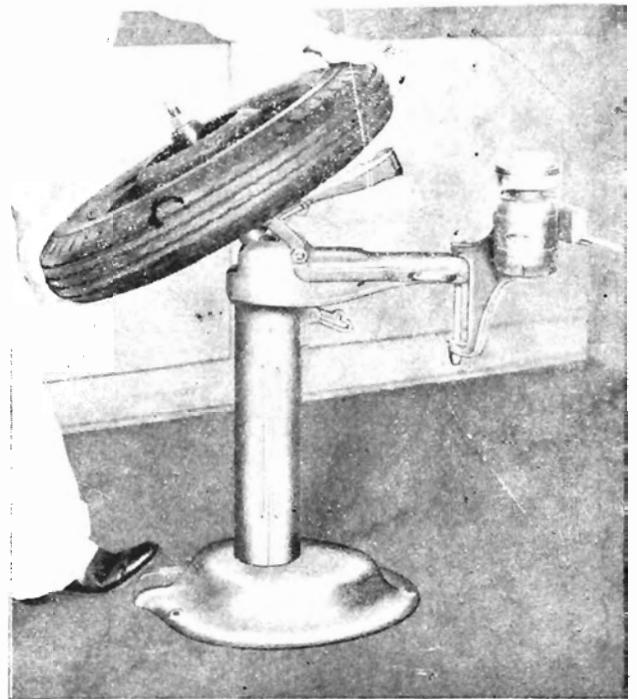


FIG. NO. 8

horizontal position. (BE SURE ARBOR IS UP AS FAR AS POSITION.) Contact motor pulley with tire. Start motor from tire and switch off motor. Fig. (5).

against stop.

release. Fig. (6).

are Fig. (7).

ion. Fig. (8).

pointer moves same distance on both sides of "0." reading. If static weight is close to top of wheel move weight to outside of rim of dynamic weight required. Apply on the outside of rim the weight directly in line with scale slot.

line with the indicator pin.

number on other side of leveling plate lines up with

weight on inside of wheel as used on outside 180° from the

range wheel use one 2 oz. weight on the inside and one

weight wheels. Larger and heavier wheels require slightly

(weights must be directly opposite each other.)
dynamic balance.

INSTRUCTIONS

the lower side of the leveling plate will cause the surface to be oily cloth as often as necessary.

oil twice each year. To lubricate upper bearing, pry open and lubricate lower bearing plate place light oil on top

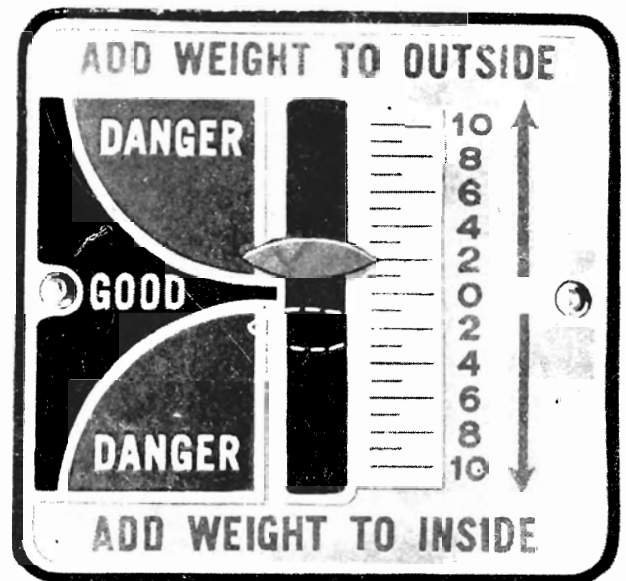


FIG. NO. 10