Balancing statically

1. The dynamically balanced wheel which is still clamped on the balancing machine should then be rotated and allowed to stop gradually. (Axis of rotation of balancing machine must allow free movement.)

2. Mark the lightest weight point of the wheel at the rim edge with chalk, i.e. directly above the center of rotation while the wheel is at standstill.

   Fit selected magnetic weight to the determined point on the rim flange and turn the wheel by 90 °. If the wheel comes to rest, the size and weight is correct.

   If the wheel is revolving downward, the weight selected is too heavy. If the wheel revolves upward, the weight must be increased.

Fig. 47

If no magnetic weights are available or if wheels with light-alloy rims have to be balanced, the size of the balancing weights has to be determined by fitting various weights.

3. Fit balancing weight of equal size as magnetic weight to the inner rim flange.

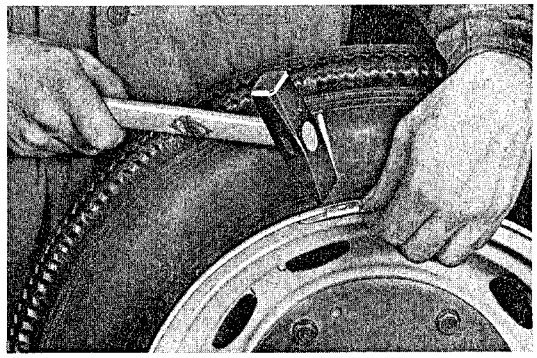

Fig. 48

Static balance of the wheel is correct if the wheel stops in any position.