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R. E. DE ZONIA

MEAT BLOCK AND TABLE CLEANER

Filed April 22, 1927

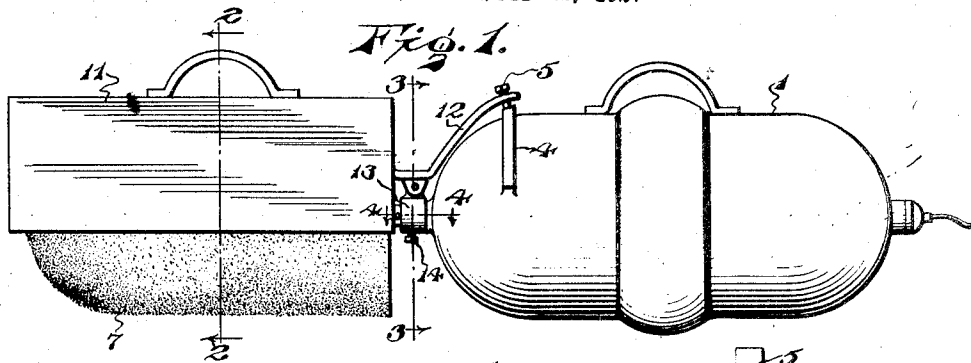
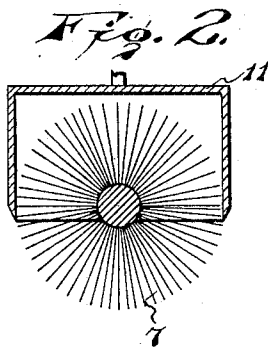
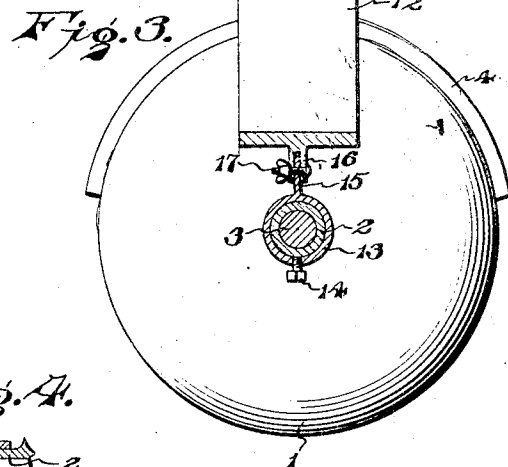
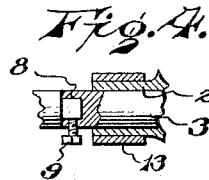
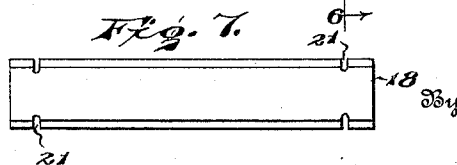
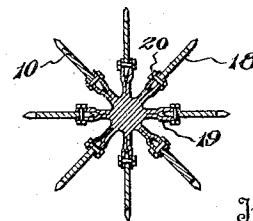


Fig. 6.



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MEAT-BLOCK AND TABLE CLEANER.

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The invention provides means for cleaning and scraping the bench and block, upon which meats are displayed and cut, said means being electrically operated, thereby facilitating the work and minimizing the effort required to be expended in the accomplishment thereof.

The invention contemplates an electric motor, a brush and a scraper adapted to be interchangeably fitted to the motor to be driven thereby and a guard for protecting the brush or scraper and adjustable, as occasion may require.

While the drawings illustrate a preferred embodiment of the invention, it is to be understood that in adapting the means to meet specific needs and requirements the design may be varied and such other changes in the minor details of construction may be resorted to within the scope of the invention as claimed, without departing from the spirit thereof.

For a full understanding of the invention and the merits thereof, reference is to be had to the following description and the drawings hereto attached, in which,—

Figure 1 is a side view of an electrically operated cleaner, embodying the invention.

Figure 2 is a detail sectional view on the line 2—2 of Figure 1, looking to the left as designated by the arrows.

Figure 3 is an enlarged sectional view on the line 3—3 of Figure 1, looking to the right as indicated by the arrows.

Figure 4 is a fragmentary sectional view on the line 4—4 of Figure 1, the parts being shown on a larger scale.

Figure 5 is a side view of a scraper which is interchangeable with the rotary brush shown in Figures 1 and 2.

Figure 6 is a detail sectional view of the rotary scraper on the line 6—6 of Figure 5.

Figure 7 is a detail view of one of the scraper blades.

Corresponding and like parts are referred to in the following description and designated in the several views of the drawings by like reference characters.

The numeral 1 designates a conventional type of electric motor, which is enclosed, the housing being provided at one end with a boss 2 in which the shaft 3 is mounted. A circumferential rib 4 projects outwardly from an end portion of the housing, and provides an abutment for an adjusting screw 5.

A wire brush 7 is adapted to be detachably fitted to the projecting end of the shaft 3 of the motor. The shaft of the rotary brush 7 is reduced and the reduced portion is removably fitted within the socket 8 provided at the outer end of the shaft 3. A clamp screw 9 threaded into a side of the socket 8 is adapted to engage the reduced end of the shaft of the brush and secure the latter when placed in position. The numeral 10 designates generally a rotary scraper which is interchangeable with the brush 7 and adapted to be detachably fitted to the shaft 3, the projecting end of the shaft of the scraper being reduced to fit within the socket 8 and retained therein by means of the clamp screw 9.

A guard 11 is adapted to enclose the upper portion of the brush or scraper, whichever one may be in operative condition. This guard has an arm 12 projected rearwardly therefrom and receiving the adjusting screw 5. A band 13 is mounted upon the boss 2 and is adjustable thereon, and is adapted to be secured in the adjusted position by means of a clamp screw 14 threaded into an opening formed in a side of the band. An ear 15 projects laterally from the band 13 and is received between spaced ears 16 provided upon the arm 12, said ears being coincidentally apertured to receive a clamp bolt 17 upon which the guard is pivotally mounted and adapted to be secured in the required adjusted position by tightening the clamp bolt 17 as will be readily appreciated. It will be understood that the guard has a two-fold adjustment, one about its pivotal connection with the band 13, and the other with the band 13 as the latter is rotated about the boss 2.

The scraper 10 comprises a hub portion and blades 18, which are adjustable and reversible. The hub comprises a shaft and a plurality of arms 19 radiating from the shaft adjacent opposite ends, each of the arms being split to provide jaws between which the blades 18 are received. The jaws comprising the arms 19 are connected at their outer ends by means of clamp bolts 20. The blades 18 are sharpened at opposite longitudinal edges and are adapted to be reversed and turned end for end. Opposite notches 21 are formed in the sharpened edge portions of the blades 18 to receive the clamp bolts 20, and when the latter are loosened the blades may be removed and

turned end for end or reversed, as required, and when in position are held fast by tightening the bolts 20, whereby the blades are clamped between the jaws comprising the arms 19. The wire brush 7 is used for cleaning the bench or table, whereas the scraper 18 is used for leveling or removing matter from the block or table not adapted to be readily removed by use of the brush 7. Having thus described the invention, I claim:

1. An appliance of the character specified, comprising a housed electric motor, a rotary cleaner coupled to the shaft of the motor, and a guard enclosing approximately one half of the cleaner and mounted upon the housing of the motor for a two-fold adjust-

ment, the one pivotally and the other rotary.

2. An appliance of the character specified, comprising a housed electric motor, a rotary cleaner coupled to the shaft of the motor, a guard enclosing approximately one half of the cleaner and having an arm projecting rearwardly therefrom, a band having the arm of the guard pivotally connected thereto, and rotatable about the housing, means for securing the band in the required adjusted position, means for adjusting the arm of the guard, and means for securing the arm to the band in the required adjusted position.

In testimony whereof I affix my signature.

ROBERT E. DE ZONIA. [L. S.]