Nov. 26, 1940. V. GAMBARDELLA 2,222,835

FLOOR SCRUBBING, BRUSHING, AND POLISHING MACHINE

Filed July 25, 1939

Fig. 1.

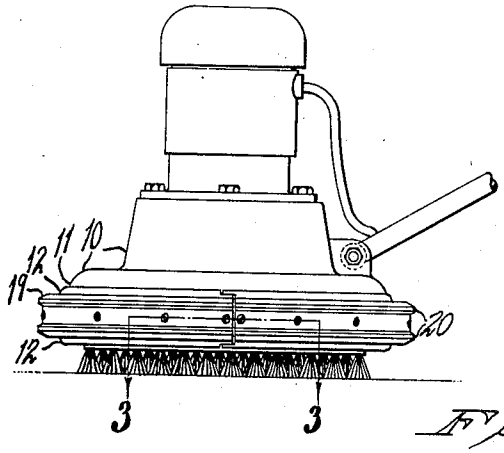


Fig. 5.

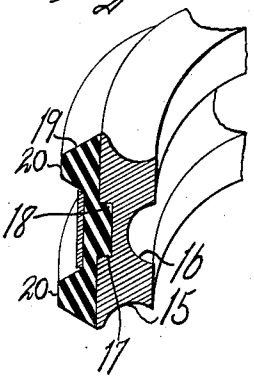


Fig. 4.

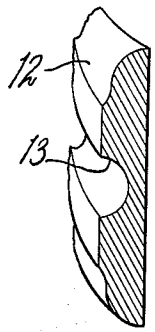


Fig. 2.

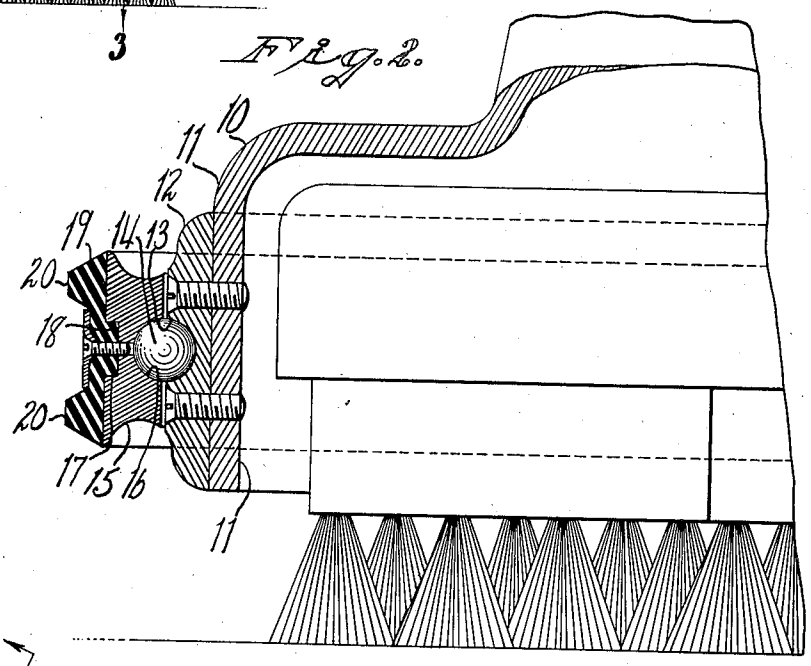
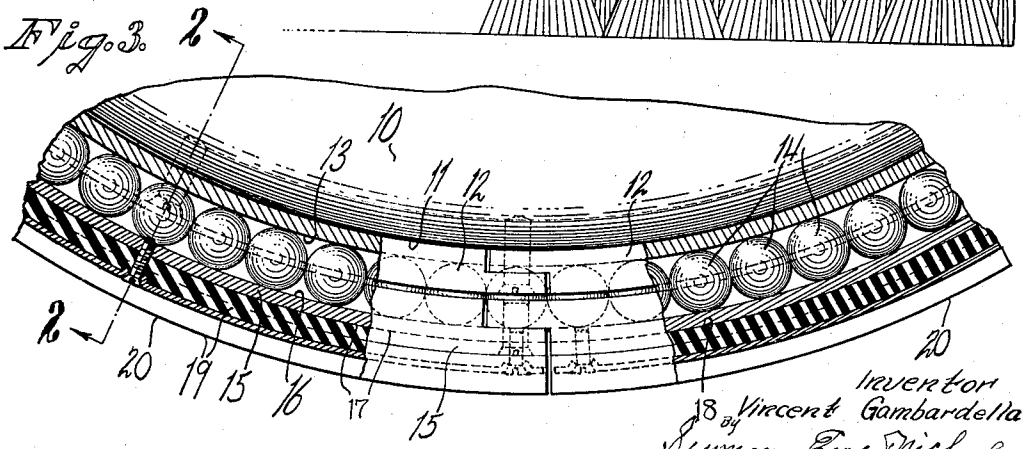


Fig. 3.



Inventor
Vincent Gambardella
By Seymour Earle Nichols
Attorneys

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2,222,835

FLOOR SCRUBBING, BRUSHING, AND POLISHING MACHINE

Vincent Gambardella, New Haven, Conn.

Application July 25, 1939, Serial No. 286,326

1 Claim. (Cl. 15—49)

This invention relates to an improvement in floor scrubbing, brushing and polishing machines and particularly to that type which includes a case supporting a motor with which a floor-surfacing device is attached, and particularly to a wall-protecting device which will be nominally inactive but which will, when the device is moved against a baseboard, rotate to prevent damage to the baseboard or interference with the proper functioning of the floor-surfacing device.

With the above and other objects in view, as will appear to those skilled in the art from the present disclosure, this invention includes all features in the said disclosure which are novel over the prior art.

The invention consists in the construction as hereinafter described and particularly described in the claim.

In the accompanying drawing, in which certain modes of carrying out the present invention are shown for illustrative purposes:

Fig. 1 is a side view of a floor scrubbing, polishing and brushing machine constructed in accordance with my invention;

Fig. 2 is a sectional view on the line 2—2 of Fig. 3;

Fig. 3 is a sectional view on the line 3—3 of Fig. 1;

Fig. 4 is a perspective view of the inner track or race; and

Fig. 5 is a perspective view of the outer track or race.

In carrying out my invention I employ a floor-surfacing machine of any desired type having a round casing 10 surrounding the operating mechanism and having a downwardly-extending vertical wall 11. Secured to this wall is an inner track or race 12 having its ends lapped and secured together and formed with a semi-circular groove 13 for the reception of anti-friction balls 14. Surrounding the inner track 12 is an outer track or race 15 having its ends lapped and secured together and having a groove 16 complementing the groove 13 for holding the balls in position but permitting the outer track to travel around the inner track. The outer track has an annular groove 17 to receive a rib 18 of a rubber bumper 19 which is rigidly secured to the outer track and formed with outwardly-projecting contact edges 20. Lap-joining the ends of the outer raceway permits the ends to be separated for the introduction of the balls.

The aforesaid device carrying my grooved attachments may be moved close to a baseboard or wall with which the rubber bumper will by contact be retarded from moving but permitting the machine to continue to move turning within the outer strip and bumper, thus preventing damage to the baseboard or wall but in nowise interfering with the operation of the machine.

The invention may be carried out in other specific ways than those herein set forth without departing from the spirit and essential characteristics of the invention, and the present embodiments are, therefore, to be considered in all respects as illustrative and not restrictive, and all changes coming within the meaning and equivalency range of the appended claim are intended to be embraced therein.

I claim:

A buffer for floor scrubbing, brushing and polishing machines comprising: an inner track adapted to be secured to the outer wall of the machine and having an annular groove in its outer face, an outer track having an annular groove in its inner face, the ends of the outer track reduced in thickness so as to form a lap-joint, balls in said grooves, the outer face of the outer track formed with an annular groove, a rubber bumper having outwardly-projecting contact-edges and a rib to enter said annular groove in the outer face of the outer track, and means for securing said bumper to the outer track.

VINCENT GAMBARDELLA.