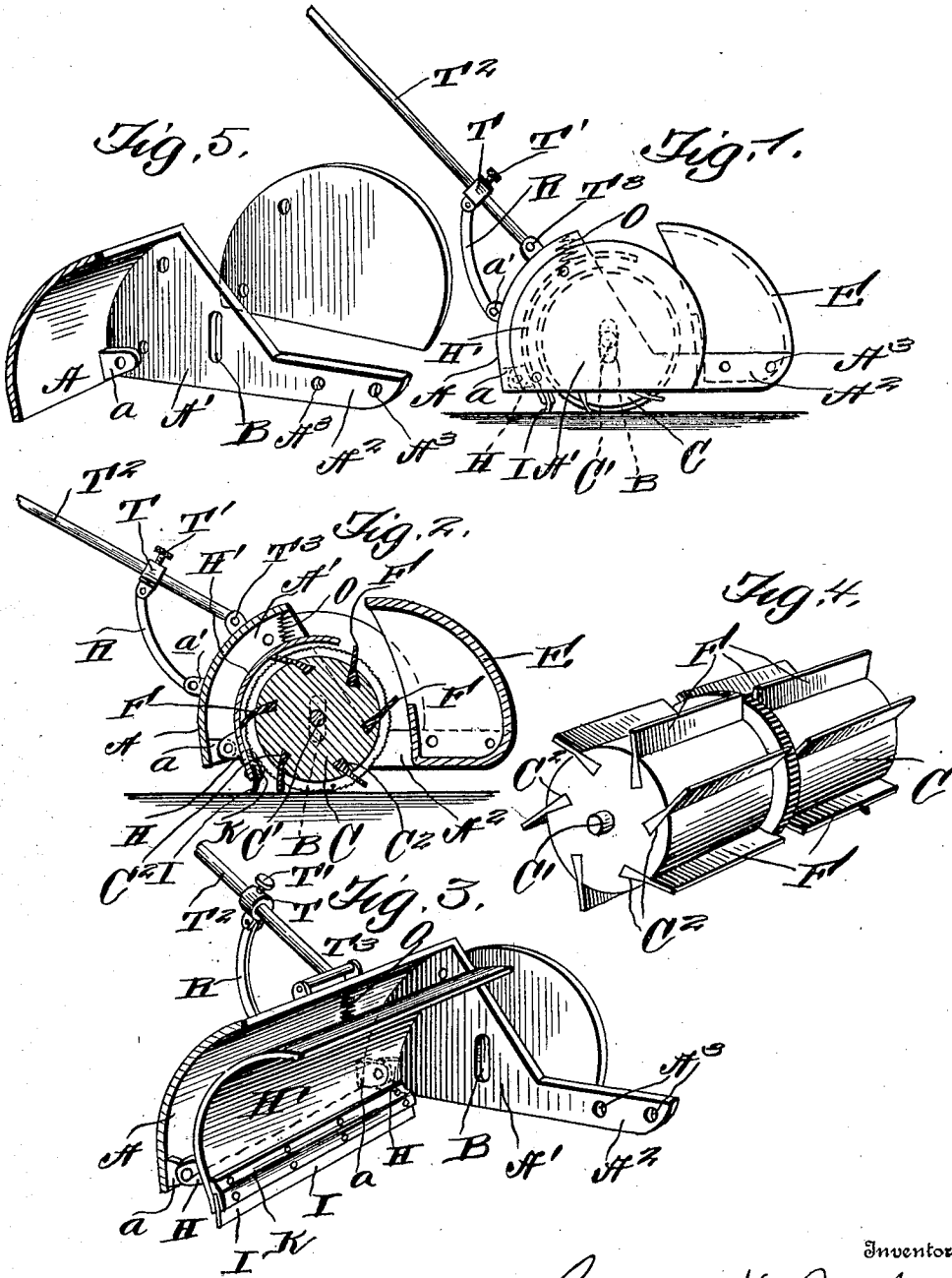


G. W. ANSLEY.
FLOOR CLEANER.

APPLICATION FILED OCT. 17, 1908.

913,801.

Patented Mar. 2, 1909.



Witnesses

R. B. [Signature]
Ada K. [Signature]

Inventor

George W. Ansley,

Franklin D. Hoyt

Attorney

UNITED STATES PATENT OFFICE.

GEORGE W. ANSLEY, OF MEDICAL LAKE, WASHINGTON.

FLOOR-CLEANER.

No. 913,801.

Specification of Letters Patent.

Patented March 2, 1909.

Application filed October 17, 1908. Serial No. 458,296.

To all whom it may concern:

Be it known that I, GEORGE W. ANSLEY, a citizen of the United States, residing at Medical Lake, in the county of Spokane and State of Washington, have invented certain new and useful Improvements in Floor-Cleaners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in floor cleaners and comprises various details of construction, combination and arrangement of parts which will be hereinafter fully described and then specifically defined in the appended claims.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is an end view of the apparatus. Fig. 2 is a cross sectional view through the cleaner. Fig. 3 is an enlarged detail perspective view. Fig. 4 is a detail perspective of the roller having flaps seated therein, and Fig. 5 is an enlarged detail view.

Reference now being had to the details of the drawings by letter, A designates the rear convexed wall of a casing having end pieces A', each of which is provided with a vertical slot B.

C designates a roller having pintles C' projecting from the ends thereof which are mounted to have a vertical movement in the slots B. The end pieces A' have reduced extensions A² which are apertured as at A³ for the reception of fastening means for securing the receptacle E thereto. Said receptacle E has its front wall convexed and its end wall terminates a slight distance from the bottom thereof for convenience in receiving water or any foreign matter which may be taken up by the sweeper. Said cylinder C is provided with a series of longitudinal slots C² which are wider at their inner ends than at the entrances to said slot, and F—F designate series of flaps of rubber or other suitable material, the inner ends of which are wider than their outer edges.

Projecting from the inner surface of the back A of the casing are the lugs a to which lugs H projecting from the convexed plate H' are pivotally connected and said plate H' is provided at its lower edge with a flap

I of rubber or other suitable material, which is held in place by means of the recessed strip K which is riveted or otherwise fastened to the plate H'. A spring O is fastened at one end to the curved plate H' and its other end to the wall A and allows said plate to have a yielding motion.

Projecting from the outer surface of the convexed plate A, is a lug a' to which a curved rod R is pivotally connected and its other end being connected to a collar T which carries a set screw T' and is mounted upon a handle T², which latter is pivoted at T³ to the wall A.

From the foregoing, it will be noted that, by the provision of the apparatus shown and described, the roller carrying the flaps arranged preferably as shown, so that they will not be radially disposed, water or foreign material may be swept against the inner concaved surface of the plate H and thrown forward into the receptacle E, the marginal edges of the flaps F bearing against the surface of the yielding plate H'. The spring O allows the plate to yield slightly as the roller rises and falls, to adapt itself to uneven surfaces being swept.

What I claim to be new is:—

1. A rotary floor cleaner comprising a casing having end walls which are provided with vertical slots, a roller, pintles projecting from the ends thereof and loosely journaled in said slots, flaps upon the roller, a receptacle in the forward part of the casing, a curved plate hinged to the casing and bearing against said flaps, and a spring bearing yieldingly against said hinged plate, as set forth.

2. In combination with a casing having a rear convexed wall, end walls with vertical slots therein, each end wall having a forwardly extended reduced portion, a casing fastened to said reduced extensions and open upon the rear side thereof, a roller journaled in said slots, flaps mounted in longitudinal grooves in said roller, a convexed plate hinged to the back of the casing and bearing against said flaps, a flap upon said plate, and a spring bearing between the plate and the rear wall of the casing, as set forth.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

GEORGE W. ANSLEY.

Witnesses:

JOHN OSTRAND,
LOUIS BOLDRIC.