

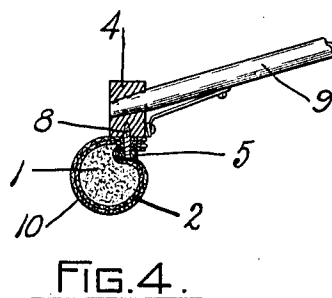
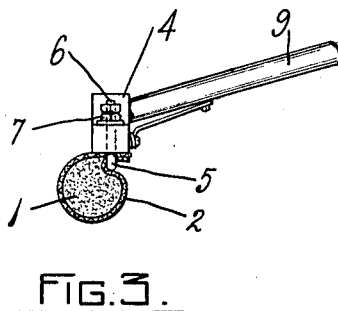
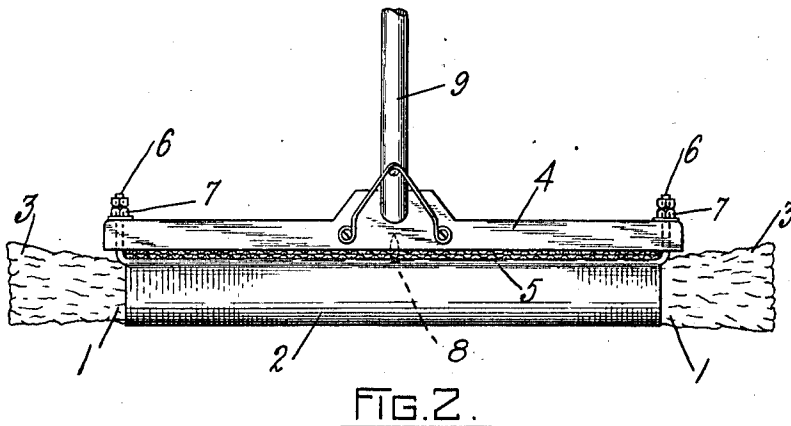
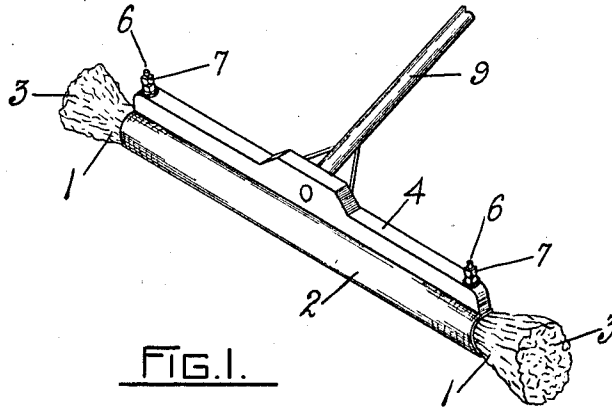
J. P. O'CONNELL.

SWEEPER.

APPLICATION FILED JULY 26, 1909.

1,021,161.

Patented Mar. 26, 1912.



WITNESSES.

J. H. Thurston
C. G. Bradley

INVENTOR.

James P. O'Connell,
By Wilmarth H. Thurston,
ATTORNEY.

UNITED STATES PATENT OFFICE.

JAMES P. O'CONNELL, OF CROMPTON, RHODE ISLAND, ASSIGNOR OF ONE-HALF TO
EDGAR L. MERROW, OF MALDEN, MASSACHUSETTS.

SWEEPER.

1,021,161.

Specification of Letters Patent.

Patented Mar. 26, 1912.

Application filed July 26, 1909. Serial No. 509,481.

To all whom it may concern:

Be it known that I, JAMES P. O'CONNELL, of Crompton, in the county of Kent and State of Rhode Island, have invented certain new and useful Improvements in Sweepers; and I do hereby declare the following specification, taken in connection with the accompanying drawings, forming a part of the same, to be a full, clear, and exact description thereof.

The invention relates to an improved sweeper which is specially designed and adapted for use in mills for sweeping the floors and around and under the different machines.

The object of the present invention is to provide a sweeper which will not clog up, will be very durable, can quickly be supplied with a new sweeping attachment with little, if any, expense, and is adapted for sweeping thoroughly under machines and around posts and the legs of machines.

To these ends the invention consists of the novel form of sweeper hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of the front of my improved sweeper. Fig. 2 is an elevation of the back of the same on an enlarged scale. Fig. 3 is an end view showing the sweeping portion in section. Fig. 4 is a transverse sectional view of a modified form.

Referring to the drawings, my improved sweeper is composed of a bundle of waste 1 inclosed in a casing or wrapping 2 of fabric. The strands of waste 1 can be bunched up and the casing 2 then wrapped tightly around the same, if desired, but it is preferred to form the circular casing 2 first by folding the fabric and fastening the folds together longitudinally near the folded edges, and then insert the strands of waste 1 by drawing them into said casing through the open end thereof with a metal hook. As shown in Figs. 1 and 2, the ends 3 of the waste 1 project beyond the ends of the casing 2 for a purpose to be hereinafter described.

The casing 2 is removably mounted upon the rigid head 4 by means of the clamping rod 5 which extends along the underside of said head 4 and is provided with laterally bent end portions 6 which extend through the head and are provided with nuts 7 for

holding the rod in position upon said head. An ordinary wood-screw 8 is employed to hold the rod 5 in position to clamp the casing 2 upon the head 4 at the central portion and to keep said rod from sagging at this point. Secured to the head 4 is an operating handle 9 which may be of any suitable length and may be mounted in the head 4 at any desired angle.

In Fig. 4 there is shown a modified form of sweeper in which the casing 2 is provided with a covering 10 preferably of the same material as the casing 2, but, if desired, the casing 2 may be of lighter material when the covering 10 is employed. Said covering 10 comprises a piece of fabric of practically the same length and width as the casing 2, which is wrapped around said casing 2 and the ends thereof are clamped upon the head 4 by means of the clamping rod 5. With this construction when the covering 10 wears through after continued use, said covering may be quickly replaced by a new one without disturbing the waste 1 or casing 2.

With the above described form of sweeper the casing 2 or covering 10 will thoroughly remove all the dirt and lint from the floor and the free ends 3 of the waste which project beyond the ends of the casing are adapted to swab around the legs of the machines, posts and side walls.

It will be understood that the size of the casing 2 may be varied and reduced to such a size as to be inserted under machines with very low standards. It will also be understood that with the means shown for attaching the sweeping portion to the head portion, said sweeping portion will have a transverse movement with relation to said head portion, and that when the device is pulled toward the operator, said sweeping portion will turn around said head portion and further reduce the height of the sweeper.

What I claim as my invention and desire to secure by Letters Patent is:

1. An article of the character described comprising a head portion, a casing of fabric open at each end secured to said head portion, and a quantity of waste securely held within said casing by friction.
2. An article of the character described comprising a head portion, a casing of fabric removably secured to said head portion

and a quantity of waste held within said casing and projecting beyond each end of the casing.

3. An article of the character described
5 comprising a head portion provided with a clamping device, a casing consisting of a piece of folded fabric and having the folded edges thereof clamped upon the head portion by the clamping device, and a quantity
10 of waste held in said casing and having a portion thereof projecting beyond each end of said casing.

4. An article of the character described
comprising a head portion provided with a
15 suitable handle, a clamping rod extending

along the under side of said head portion and having its end portions extending through said head portion, means for adjusting said clamping rod, a circular fabric casing containing a quantity of waste, a
20 portion of said waste projecting beyond the ends of said casing, and a piece of fabric folded around said casing and having the folded edges thereof clamped between the head portion and the clamping rod.

JAMES P. O'CONNELL.

Witnesses:

J. H. THURSTON,

W. H. THURSTON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."