(No Model.)

J. K. ODELL.

BRUSH FOR CLEANING MILK CANS.

No. 253,884. Patented Feb. 21, 1882.

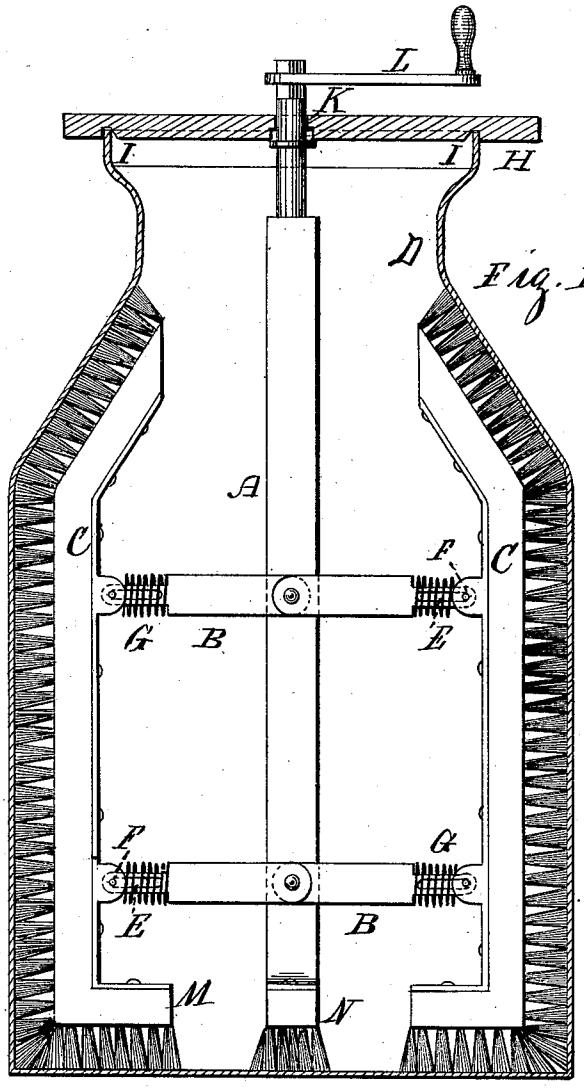

Fig. 1

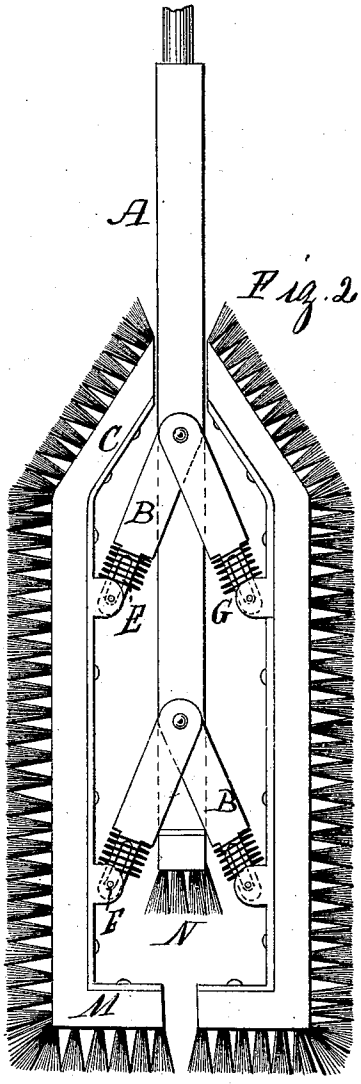

Fig. 2

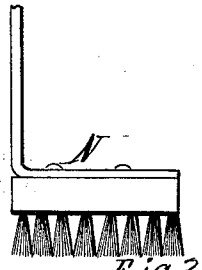

Fig. 3

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN K. ODELL, OF DECKERTOWN, NEW JERSEY.

BRUSH FOR CLEANING MILK-CANS.

SPECIFICATION forming part of Letters Patent No. 253,884, dated February 21, 1882.

Application filed July 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN K. ODELL, of Deckertown, in the county of Sussex and State of New Jersey, have invented a new and useful Improvement in Brushes for Cleaning Milk-Cans, of which the following is a specification.

My invention relates to an adjustable brush for cleaning milk-cans; and it consists in a contractible frame, with brushes adapted to be put through the neck of a can and then to be expanded to fill the whole inside of the can, touching every part, to clean it, the brushes being operated by a crank above the top of the can.

Figure 1 is a sectional elevation, showing the brush in a can and expanded, and Fig. 2 shows a brush contracted and adapted to be inserted in a can. Fig. 3 is a detailed view of the lower end of a brush.

In my construction, A is a central shaft, to which I pivot arms B, made to extend out to receive, by pivot-connection, the brushes C, adapted in shape to the inside of the can D.

In the outer end of the arms is a slot, E, in which the pivot-pin F is made to move, but, by springs G, pressed outwardly, carrying the brushes and adjusting them to the slightly-varying diameter of the cans.

On the top of the can is a cross-block, H, having the notches I, to receive the edges of the can, and a hole, K, to receive the shaft A and form a bearing for it, on the top of which is the crank L, for rotating the brushes in a can. At the bottom of each brush is a right-angle section, M, and a similar brush, N, is secured to the foot of the shaft, which unite to clean the bottom of a can.

Some modification of the method of uniting the arms and the springs may be employed and the same result be secured. I have shown but two brushes; but more than two may be attached to one shaft, if desired.

I claim—

1. The central shaft, A, having pivoted to it two or more sets of arms, carrying brushes, moved outwardly by pressing down said shaft, and adapted, by adjustable mechanism, to fill cans of different diameters, substantially as and for the purpose specified.

2. The combination of the shaft A, arms B, and brushes C, the said arms having the slots E and carrying the springs G, substantially as and for the purpose set forth.

3. In combination with the shaft A, carrying the arms and brushes, substantially as described and shown, the sections M and N, substantially as and for the purpose specified.

JOHN K. ODELL.

Witnesses:
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