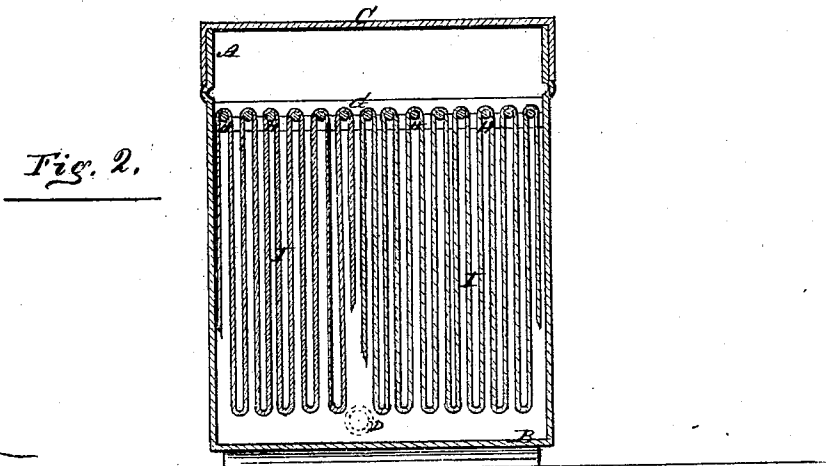
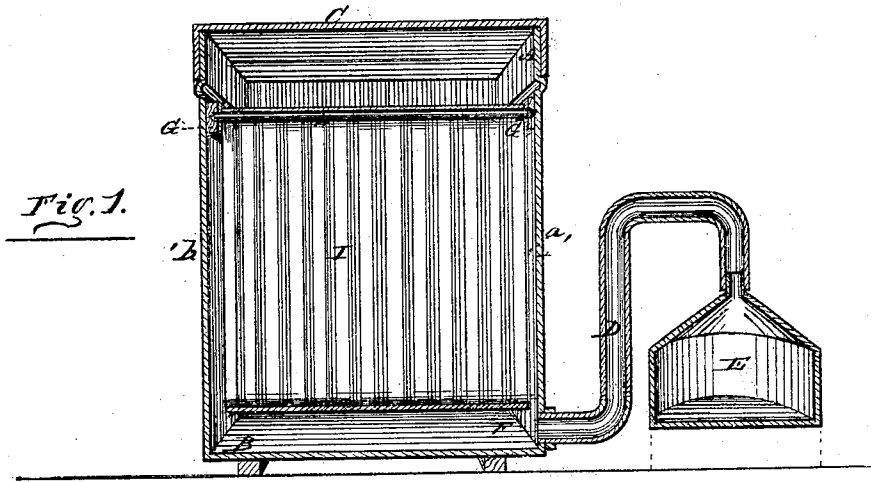


I. A. DAVIS.
APPARATUS FOR SPONGING CLOTH.

No. 105,182.

Patented July 12, 1870.



Witnesses:

Benjamin
C. W. St. Morrison

Inventor: Isaac A. Davis

United States Patent Office.

ISAAC A. DAVIS, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 105,182, dated July 12, 1870.

APPARATUS FOR SPONGING CLOTH.

The Schedule referred to in these Letters Patent and making part of the same.

I, ISAAC A. DAVIS, of the city of Philadelphia, in the State of Pennsylvania, have invented a new and useful Apparatus for Sponging Cloth, of which the following is a specification.

Nature and Objects of the Invention.

My invention relates to the combined arrangement of a series of adjustable rods or bars within a close portable case, having an adjustable cover or lid, and being in communication with a steam-generator in such a manner that the same can be readily introduced through the usual doors into any suitable room of a tailoring establishment or clothing-manufacturing house, the object being to enable the proprietor or manager to sponge his cloths or goods by steam, in a perfect manner, with facility and economy, and under his own supervision and control.

Description of the Accompanying Drawings.

Figure 1 is a vertical central transverse section in perspective, showing the apparatus cut in a plane parallel with the cloth-suspending rods; and

Figure 2, a like vertical longitudinal section, cut in a plane at right angles to that of fig. 1, both figures showing a piece or two of cloth suspended in the case.

General Description.

A B is a rectangular case or box, made of tin-plate, and should be thirty-two inches wide, about thirty-nine inches deep, and not more than forty inches long, and fitted with a removable cover, C.

In one side of the said case, and close to its bottom, a steam-conducting pipe, D, is inserted by one of its ends, while its other end communicates with any suitable steam-generator E, and in the bottom of the said case there is a small opening, F, for the escape of the water of condensed steam.

Along on the inner side of each of the two sides of *a' b'* of the case a strip, G, is fixed, which is provided with a series of corresponding notches or holes for the reception and support of the ends of the adjustable rods H H in horizontal positions, parallel with each other, and at about one and a quarter inch apart, more or less. (See fig. 2.)

In using this apparatus the whole piece of cloth, I, to be sponged is hung in open or separate successive folds upon the cross-rods H H, so as to be suspended from the said bars or rods without any contact of the surfaces of the cloth with each other, and so, also, as to extend downward to about three or four inches from the bottom of the case A B, substantially as shown in the drawings.

The cover C is then applied, and steam introduced, through the pipe D, during ten or fifteen minutes, which length of time will be sufficient to effect the sponging of the whole of the goods in a thorough manner. The steam is now to be shut off, the lid or cover C removed, and the cloth taken out, which in a few minutes becomes dry and ready for rolling or cutting.

The advantages of this apparatus are—

First, the cloth is sponged thoroughly and uniformly.

Second, the sponging is effected in a very few minutes.

Third, the texture and face of the goods are not injured, but rather improved in appearance; especially is this the case in old goods.

Fourth, the cloth is ready for rolling and cutting as soon as it is taken out of the case.

Fifth, the cost is trifling.

Sixth, the apparatus occupies but a small space, can be readily carried by hand from one room to another, and can be easily operated by one person so as to sponge twelve hundred yards per day.

I claim as my invention—

The portable sponging-apparatus, consisting of the case A B and its cover C, the notched strips G G and adjustable rods H H, the water-escape opening F, and the steam-conducting pipe D, the said parts being constructed and arranged, in relation to each other and to any suitable external steam-generator, substantially as and for the purpose hereinbefore described and set forth.

ISAAC A. DAVIS.

Witnesses:

BENJ. MORISON,
WM. H. MORISON.