

D. B. SCOFIELD.  
Carpet-Cleaner.

No. 164,773.

Patented June 22, 1875

Fig. 1.

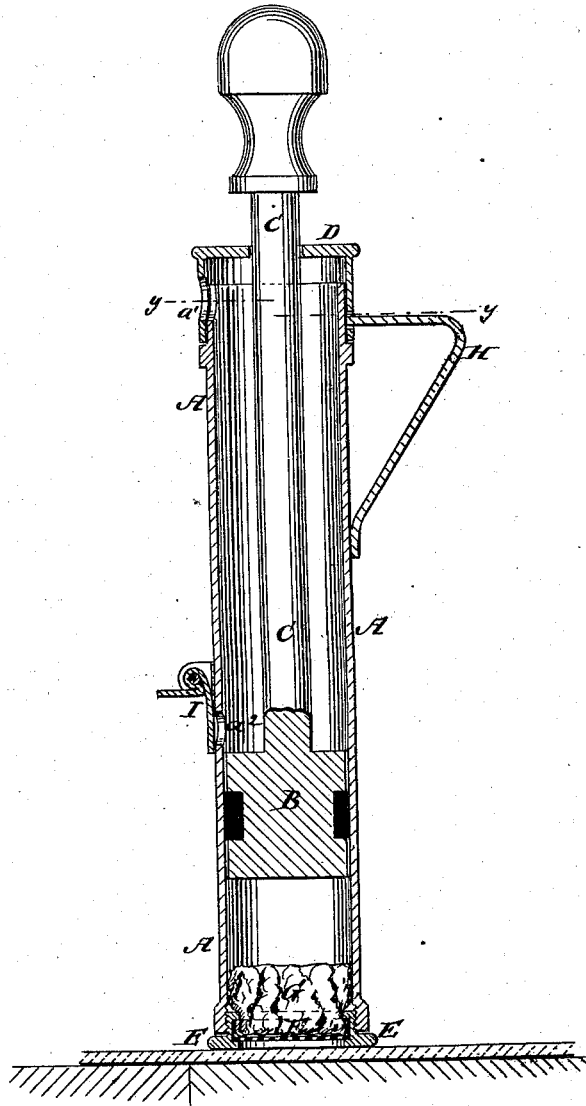
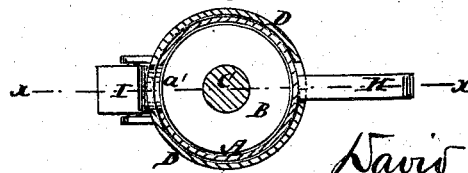


Fig. 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

DAVID B. SCOFIELD, OF BAKER CITY, OREGON.

## IMPROVEMENT IN CARPET-CLEANERS.

Specification forming part of Letters Patent No. **164,773**, dated June 22, 1875; application filed April 10, 1875.

*To all whom it may concern:*

Be it known that I, DAVID B. SCOFIELD, of Baker City, in the county of Baker and State of Oregon, have invented a new and useful Improvement in Carpet-Cleaner, of which the following is a specification:

Figure 1 is a longitudinal section of my improved instrument, taken through the line *x*, Fig. 2. Fig. 2 is a cross-section of the same taken through the line *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an instrument by means of which greasy and dirty spots may be cleaned in a carpet while upon the floor, and so much of the suds withdrawn as will enable the wet spot cleaned to readily dry, and which shall be simple in construction and convenient in use.

The invention consists in the tube provided with the ring-cap, the wire cloth, and sponge, or their equivalents, the two holes, the valve, and the piston and piston-rod, as hereinafter fully described.

A is a tube or hollow cylinder, of convenient length and size, into which is fitted a piston, B. The piston B is packed so as to work air and water tight, and to it is attached a piston-rod, C, which passes out through a hole in the center of the cap D, placed upon the end of the cylinder or case A. Into the other end of the cylinder A is screwed a ring-cap, E, the opening of which is covered with wire cloth F, to which is loosely stitched a piece of sponge, G. The wire cloth F may be replaced by a piece of cloth, and the sponge G by several plies of cloth loosely stitched together. To the upper part of the tube A is attached a bracket, H, to serve as a handle for convenience in handling the instrument, and the upper arm of which enters a notch in the flange of the cap D, to prevent said cap from being drawn off. In the side of the upper end of the tube A is formed a hole, *a*<sup>1</sup>, to allow the air to pass out and in freely. In the side of the tube A, toward its lower end, is formed a

hole, *a*<sup>2</sup>, which is covered with a valve, I, opening outward. The hole *a*<sup>2</sup> and valve I are designed to enable the piston to be worked above said hole and valve without forcing the liquid out of the lower part of the tube A, the valve being held closed by atmospheric pressure while the piston is being drawn upward, and being opened as the piston is forced downward.

In using the apparatus, a small quantity of very hot soap-suds, to which may be added a small quantity of ammonia, soda, beef's gall, or other ingredients used for removing grease and dirt, is drawn up into the lower part of the tube A. The lower end of the tube A is then placed upon the carpet over the spot to be cleaned, and the piston is worked up and down below the valve I, forcing the suds into and drawing it out of the carpet until the grease or dirt has been removed. The piston is then worked above the valve I to draw the suds out of the carpet, the sponge G preventing the suds drawn out from flowing out through the lower end of the tube, and the valve I preventing it from being forced out by the descending piston. In this way the suds can be drawn out so thoroughly that the wet spot will readily dry. The carpet, after being cleaned by the suds, can be rinsed with clean water in the same way and with the same instrument.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A device for removing spots from carpets, consisting of tube A, provided with the ring-cap E, the wire cloth F, and sponge G, or their equivalents, the two holes *a*<sup>1</sup> *a*<sup>2</sup>, the valve I, and the piston and piston-rod B C, substantially as herein shown and described.

Dated this March 23, 1875.

DAVID B. SCOFIELD.

Witnesses:

SAMUEL FARMAN,  
WILLIAM ELLIS.