

No. 773,067.

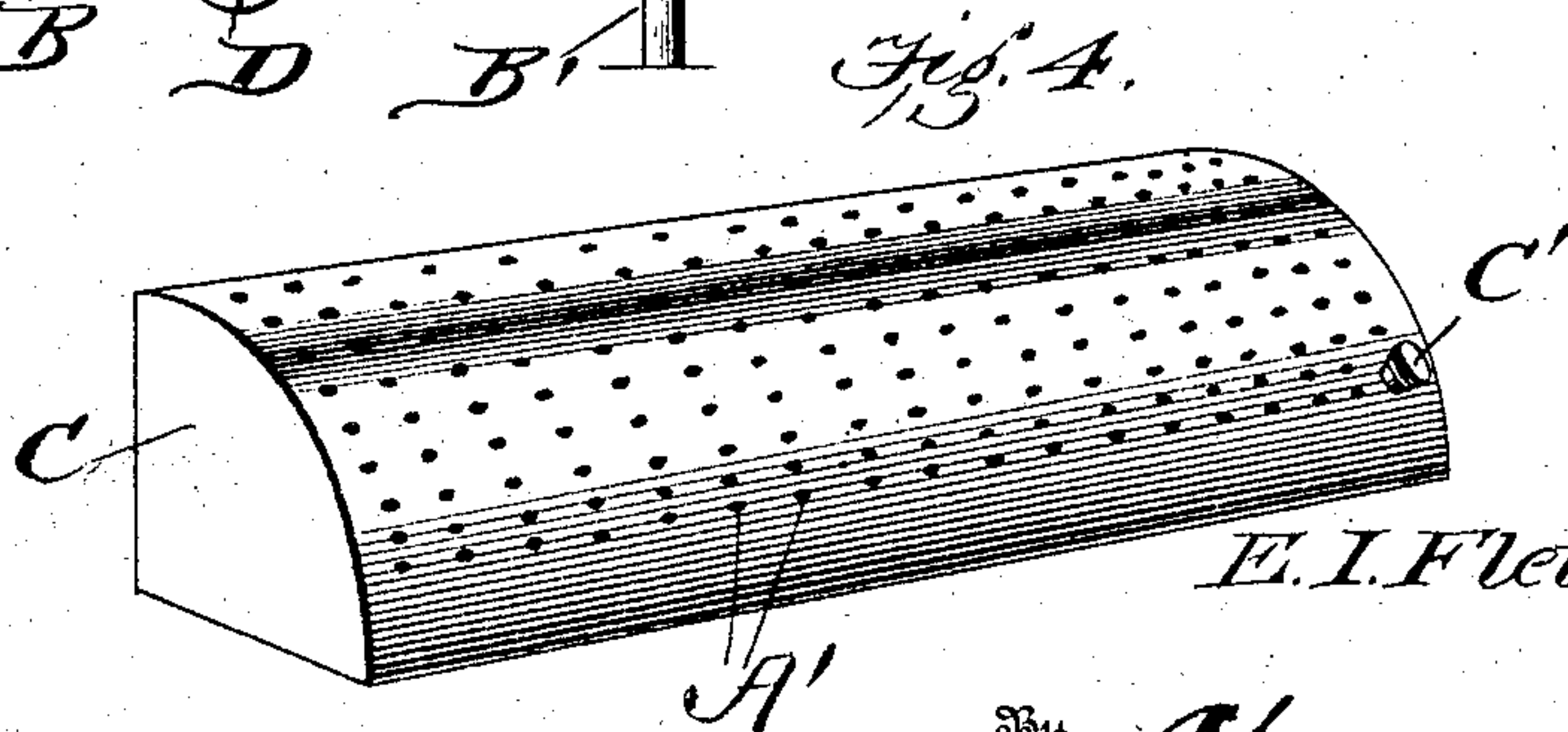
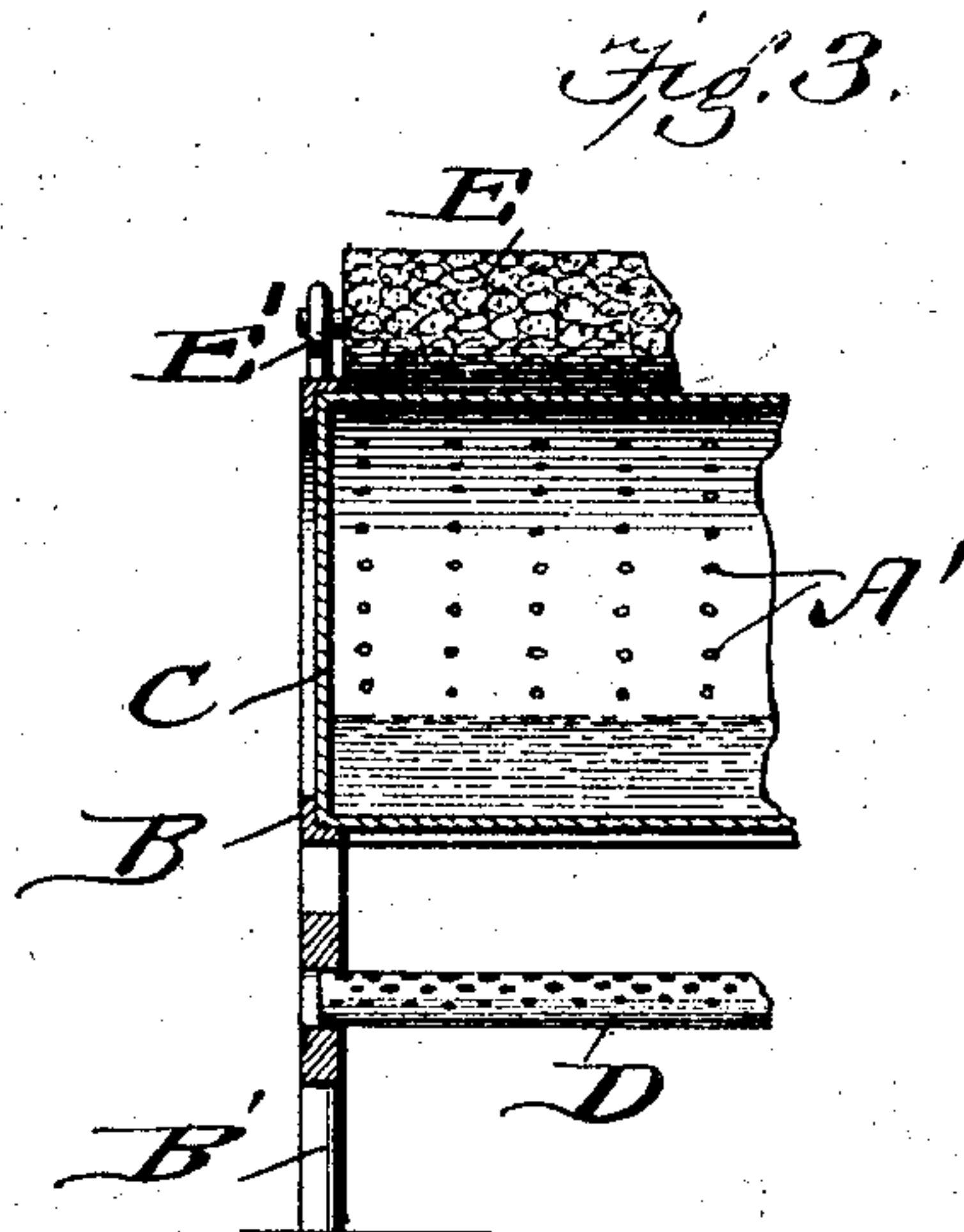
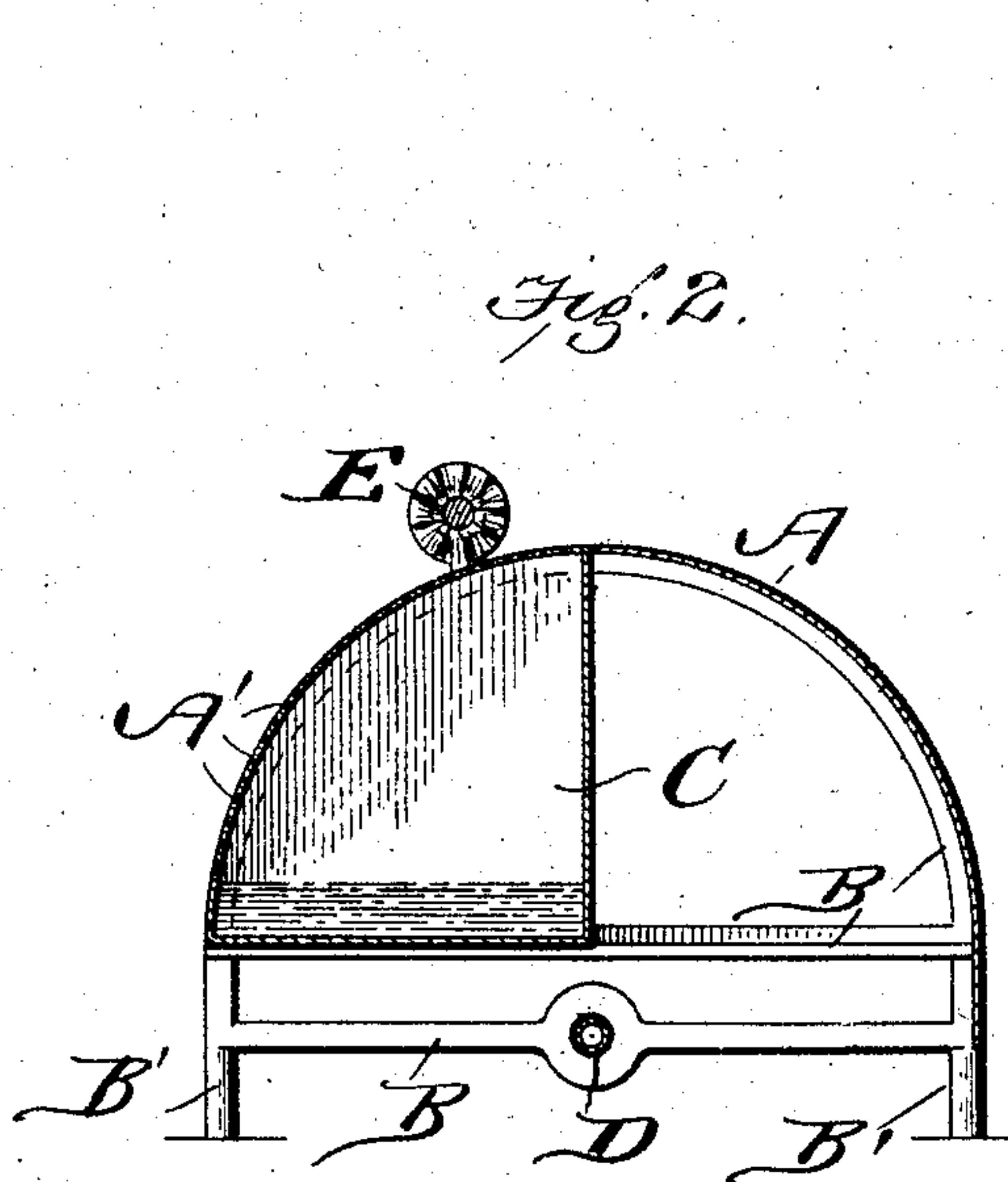
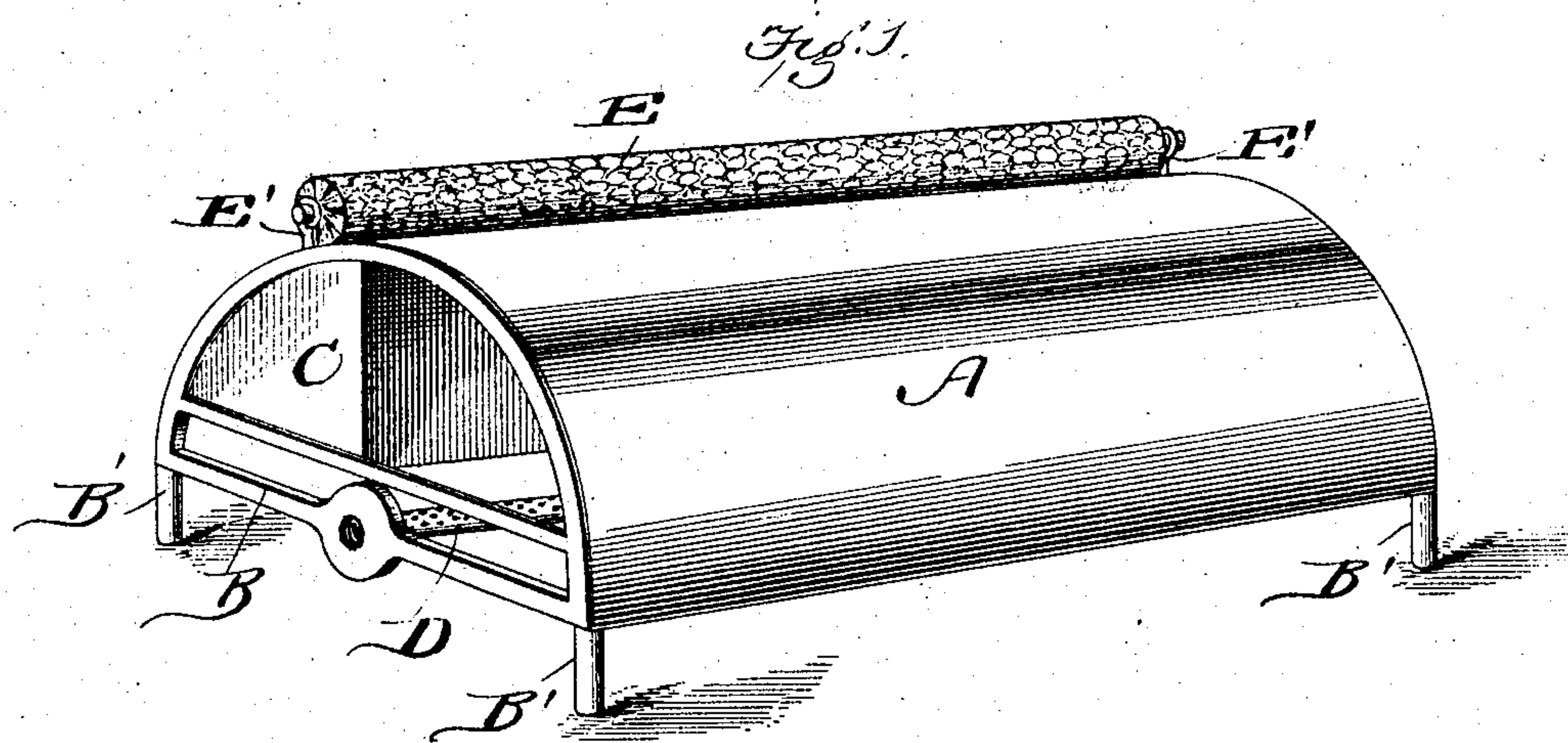
PATENTED OCT. 25, 1904.

E. I. FLETCHER.

APPARATUS FOR STEAMING AND PRESSING FABRICS.

APPLICATION FILED AUG. 9, 1902. RENEWED APR. 5, 1904.

NO MODEL.



Witnesses

J. B. Shaw.
Charles Shaw.

Inventor

E. I. Fletcher,

By

Maund Brock
Attorneys

UNITED STATES PATENT OFFICE.

ELIZABETH IDA FLETCHER, OF NORWICH, CONNECTICUT.

APPARATUS FOR STEAMING AND PRESSING FABRICS.

SPECIFICATION forming part of Letters Patent No. 773,067, dated October 25, 1904.

Application filed August 9, 1902. Renewed April 5, 1904. Serial No. 201,745. (No model.)

To all whom it may concern:

Be it known that I, ELIZABETH IDA FLETCHER, a citizen of the United States, residing at Norwich, in the county of New London and State of Connecticut, have invented a new and useful Apparatus for Steaming and Pressing Fabric, of which the following is a specification.

This invention is an apparatus or device for steaming and pressing fabrics, and is particularly adapted to the steaming and pressing of pile fabrics, such as velvet, plush, and the like. In renovating fabrics of this kind it is necessary to steam them and press them upon the under side; and the object of my present invention is to accomplish this steaming and pressing operation without injuring the pile-surface.

Another object is to brush or clean the pile-surface at the same time the inner face or backing is being steamed or pressed.

With these objects in view my invention consists, essentially, of a frame supporting a curved metallic plate, a portion of which is perforated and through which the steam is caused to pass, the remaining portion of the plate being imperforate and over which the surface of the fabric is forcibly passed.

The invention also consists in providing a brush in close approximation to a metallic plate, so that as the fabric is passed back and forth over the heated metallic plate the pile-face of the fabric is brought into contact with the rotary brush and cleaned.

The invention also consists in the novel features of construction and combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of an apparatus constructed in accordance with my invention. Fig. 2 is a transverse sectional view of the same. Fig. 3 is a detail partial longitudinal section, certain parts being shown in elevation. Fig. 4 is a detail perspective view of the steaming-receptacle.

In carrying out my invention I employ a smooth curved metallic plate A, this plate be-

ing curved substantially in the form of a half-cylinder and is supported at each end by a semicircular frame B, resting upon legs B'. One side of the plate A has a series of perforations extending from a line a short distance above the lower edge of the plate to the longitudinal center of said plate, and upon the interior of the plate and between the frames B is arranged a metallic receptacle C, which is intended to receive and hold a quantity of water. A burner-pipe D extends longitudinally beneath the curved metallic plate and is supported by the frames B, said pipe receiving gas or other suitable fuel from any suitable force. By means of this burner-pipe the water within the receptacle is converted into steam, which passes out through the perforations A'.

A rotary brush E is journaled in suitable brackets E', arranged at each end of the plate A and over the perforated portion thereof. This rotary brush E rests very close to the perforated portion of the plate A and extends along the entire length of the same. C' indicates the filling-vent through which the water is introduced into the receptacle C.

In operation a quantity of water is placed in the receptacle C and the burner lighted. As soon as the vapor begins to pass through the perforated portion of the plate A the fabric to be steamed and pressed is passed over the perforated portion of the plate and beneath the rotary brush, and after passing over the perforated portion and beneath the brush the fabric is carried along over the imperforate portion of the curved plate A, and while holding one end of the fabric in one hand it can be worked back and forth over the said curved surface and pressure applied thereto by pulling upon the end of the fabric with the other hand, it being understood that the steaming and pressing device is supported upon a table or other suitable object. The steam comes in contact with the backing of the fabric, while the brush contacts with the pile-face thereof, and in this manner the fabric is thoroughly cleaned, steamed, and pressed, and a piece of ribbon or fabric which

is rumpled or creased can be quickly and easily renovated by the process herein described.

Having thus fully described my invention, what I claim as new, and desire to secure by
5 Letters Patent of the United States, is—

1. A device of the kind described, comprising a curved metallic plate, and a heater arranged beneath the same, one portion of said curved plate being perforated, the remaining
10 portion being imperforate, and a water-receptacle arranged in conjunction with the perforated portion for the purpose specified.

2. A device of the kind described, comprising a curved metallic plate, frames for supporting the said plate, a water-receptacle arranged between the frames and beneath one
15 portion of the curved plate, said portion of the

metallic plate being perforated, the remaining portion being imperforate, as specified.

3. A device of the kind described, comprising a curved metallic plate, a portion of which
20 is perforated, the remaining portion being imperforate, a water-receptacle arranged in conjunction with said perforated portion, frames for supporting the said curved plate, a burner-
25 pipe supported by the said frames and a rotary brush arranged above the perforated portion of the curved metallic plate, substantially as described.

E. IDA FLETCHER.

Witnesses:

FLORENCE H. ADAMS,
ELLA M. BROWN.