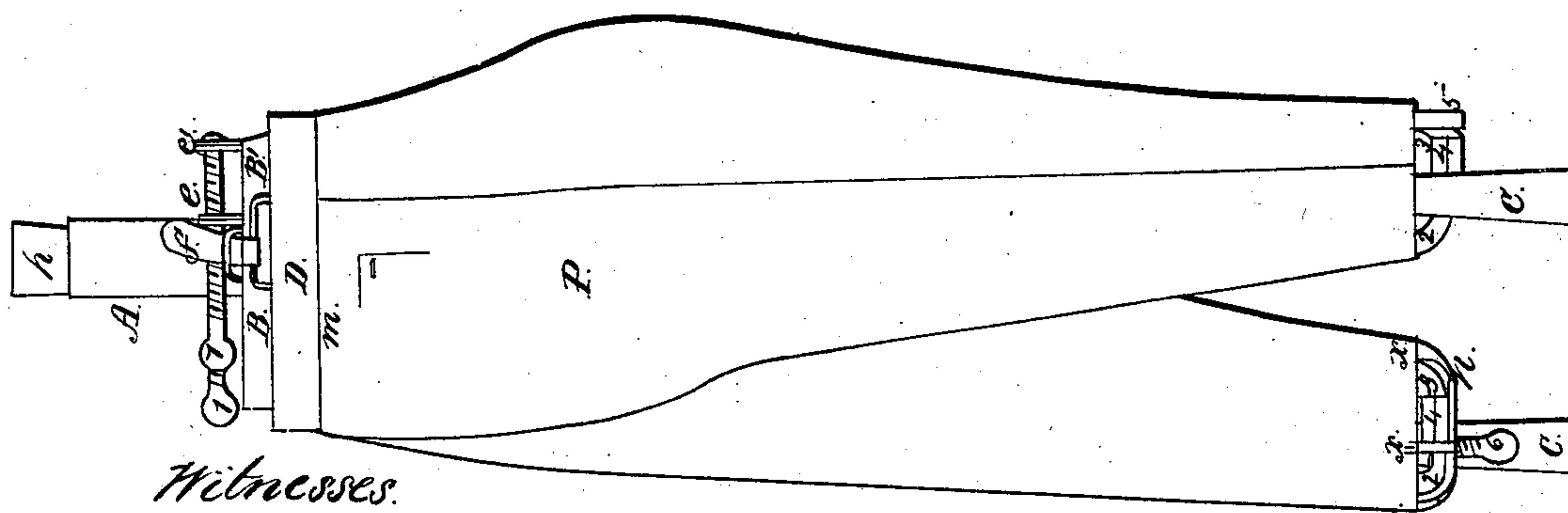
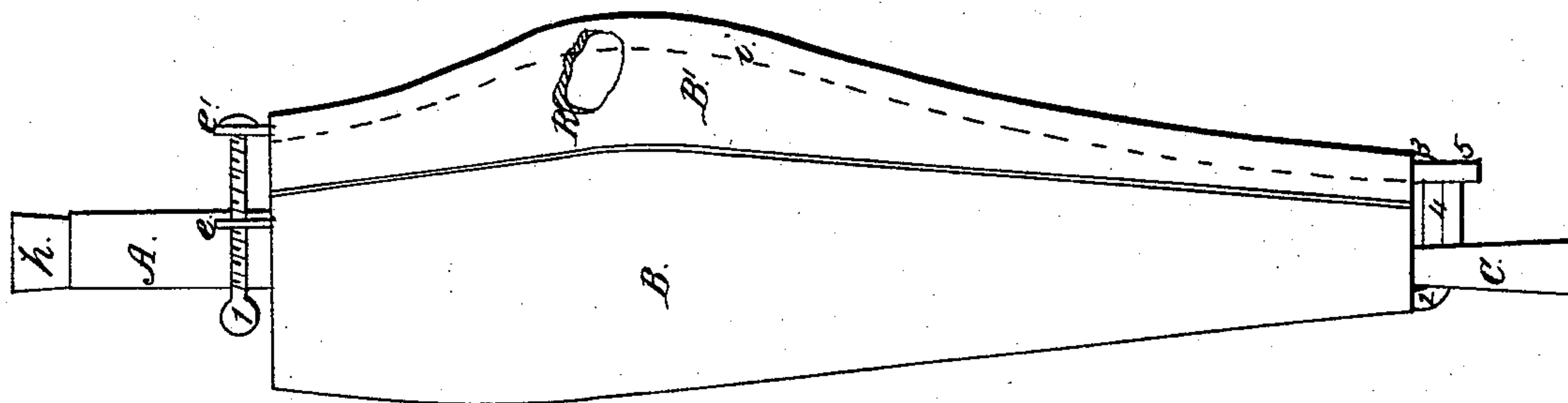


*J. Braun.*

*Clothes Dryer and Presser.*

*N<sup>o</sup> 85,059.*

*Patented Dec. 22, 1868.*



*Witnesses:*

*A. C. Johnston  
Geo. W. Thomas*

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by his attorney  
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# United States Patent Office.

JOSEPH BRAUN, OF ROCHESTER, PENNSYLVANIA.

Letters Patent No. 85,059, dated December 22, 1868; antedated December 11, 1868.

## IMPROVED APPARATUS FOR DRYING AND PRESSING PANTALOONS.

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

To all whom it may concern:

Be it known that I, JOSEPH BRAUN, of Rochester, in the county of Beaver, and State of Pennsylvania, have invented a new and useful Improvement in Apparatus for Drying and Pressing Pantaloons and Drawers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon.

The nature of my invention consists in the combination, of the two main parts of the metallic core for pantaloons, with the pipes, couplings, and adjusting-screws, arranged, combined, and operating in the manner hereinafter described, and for the purpose set forth.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification—

Figure 1 represents a perspective view of my improved metallic core for drying and pressing pantaloons and drawers, and represents a pair of pantaloons arranged on said core.

Figure 2 is a side view of the core.

In the drawings—

B and B' represent the two parts of the core, which are, in form, adapted to the form of pantaloons or drawers.

The back outline of part B is indicated by the dotted line *i*.

The inner side of the part B' is made concave, and so arranged as to fit over the back part of the part marked B.

To the upper end of the part B are secured two pieces, marked *e*, in which are made openings, provided with screw-threads, which are adapted to the screws marked 1, the points of which are pivoted in the pieces *e*.

On the lower end of the part B' (for each leg) are secured pipes, 3, and on the lower end of the part B are pipes, 2.

The pipes 2 and 3 are connected by a hollow coupling, 4, in the end of which are screw-threads, which correspond to screw-threads on the pipes 2 and 3, and so arranged that, by turning the coupling 4, the pipes will screw into it or out of it, in accordance with the way the coupling is turned, thereby separating or drawing the lower portion of the parts B and B' together, as may be desired.

The upper portion of the core is spread apart or drawn together by means of the screws marked 1.

To the lower end of the part B' (for each leg) is secured a small pipe, marked 5. These small pipes are used for the purpose of carrying off the water formed by the condensation of the steam used in the core.

On the upper end of the part B is a pipe, A, which is provided with a plug, *h*, and on the lower end of each leg of part B is a pipe, C, to which are attached steam-pipes for supplying the core with steam.

To the upper end of the part B are secured straps,

*f*, and buckles, which are used, in connection with the band D, for stretching the pantaloons or drawers endways.

The band D is provided with a number of small hooks, marked *m*.

R represents a small piece broken out of the part marked B', for the purpose of showing that it is hollow.

As the construction and arrangement of the several parts of my invention will readily be seen and understood by reference to the accompanying drawings, and from the foregoing description, I will therefore proceed to describe its operation, which is as follows:

The pantaloons, P, are placed on the core, and then washed or scoured. The hooks *m* of the band D are hooked into the pantaloons, as shown in fig. 1, and the band D is drawn up by the straps *f*, and secured by means of buckles. The legs of the pantaloons are drawn down by means of the part marked *n*, which is provided with small hooks, and a screw, 6. The hooks *m* are hooked to the lower part of the legs of the pantaloons, and the point of the screw 6, resting against the lower end of the legs of the core, can be turned so as to stretch the legs of the pantaloons lengthways. Having the pantaloons secured on the core in the desired manner, and washed, scoured, and then stretched to the desired degree, through the medium of the straps *f* and part *n*, and by spreading the parts B and B', of the hollow metallic core, through the medium of the screws 1 and the coupling-pipe 4, the pipes C are then attached to any suitable apparatus for generating steam. The steam will pass into the part B, of the core, and from it, through the pipes 2 and 3, into the part B', and thereby heat the core, which will dry the pantaloons, which, in drying, shrinks them, thereby causing them to be pressed on the core by the process of drying and shrinking.

The pipe A is used for allowing the steam in the core to escape, and allow a current of air to pass through it, after it is separated from the device supplying it with steam.

The advantages of my improvement consist in being able to dry pantaloons or drawers in a very short time, and retain their original size, notwithstanding the shrinking which follows the process of washing and scouring woollen goods, and the pantaloons, when dry, will be perfectly and evenly pressed, without liability of burning the cloth.

I do not claim, broadly, a metallic core, with steam inside, such device being found in the English patent, No. 10,156, of 1844; but

What I do claim, is—

The combination of the part B, concaved part B', adjusting-screws 1, couplings 4, pipes A, C, 2, 3, and 5, constructed, arranged, and operating as herein described, and for the purpose set forth.

JOSEPH BRAUN.

Witnesses:

A. C. JOHNSTON,  
JAMES J. JOHNSTON.