

(No Model.)

C. A. WORDEN.
ABDOMINAL SUPPORTER.

No. 283,734.

Patented Aug. 21, 1883.

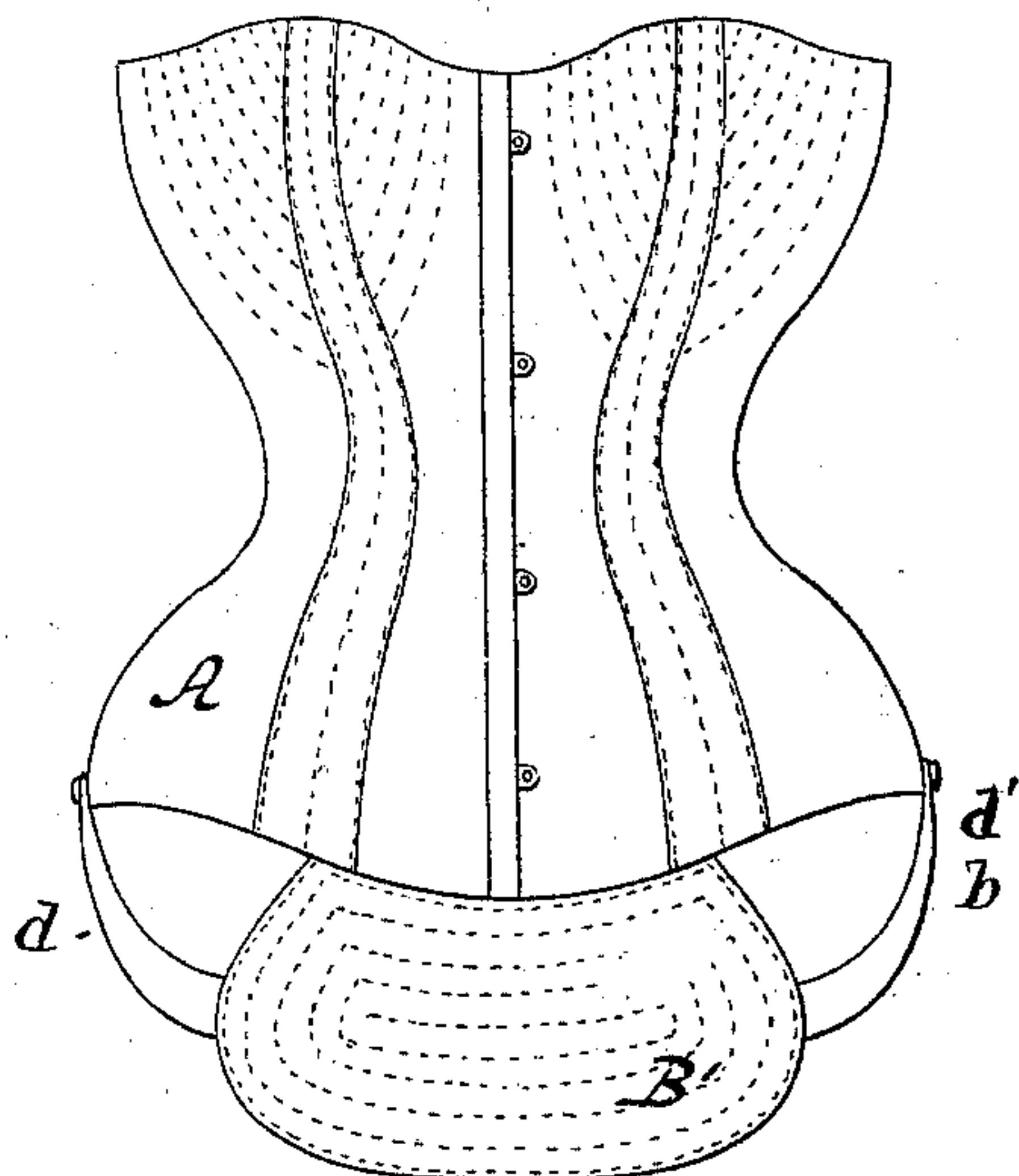


Fig. 1.

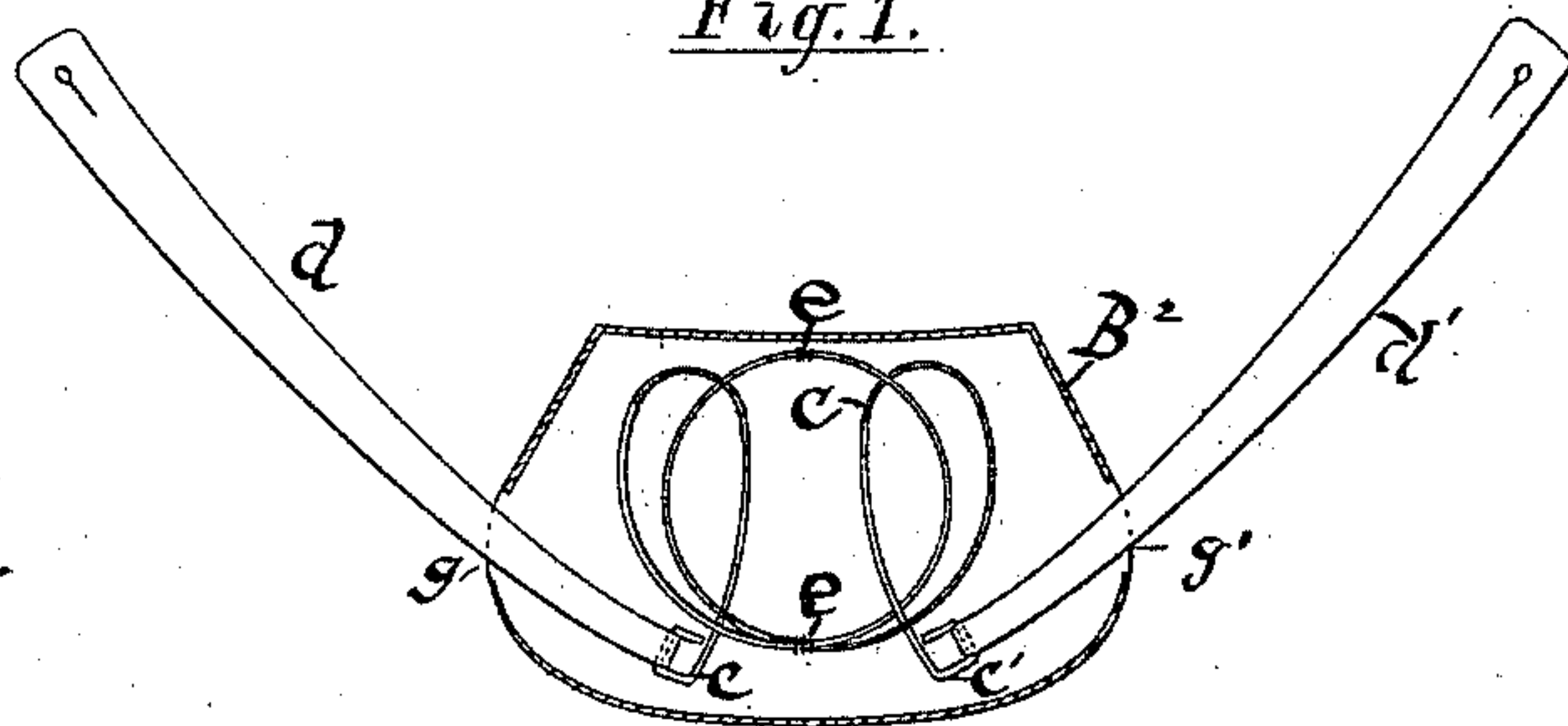


Fig. 2.

WITNESSES:

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CATHARINE A. WORDEN, OF JERSEY CITY, NEW JERSEY.

ABDOMINAL SUPPORTER.

SPECIFICATION forming part of Letters Patent No. 283,734, dated August 21, 1883.

Application filed November 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, CATHARINE A. WORDEN, a citizen of the United States, residing at Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Abdominal Supporters, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to abdominal supporters; and it consists in a pad having inclosed in it a spring, to the opposite ends of which are connected straps or bands for attaching the article to a corset or to the person. When
15 the supporter is combined with a corset, separable fastenings are used for connecting the attaching-bands to the article.

The accompanying drawings illustrate the manner of carrying out my invention.

20 Figure 1 represents a front view, showing the supporter applied to a corset; Fig. 2, an interior view of the pad, showing the shape of the spring.

A represents a body of an ordinary corset, and B the supporter-pad, which is composed of front and back pieces, B' B², the front piece, B', being usually quilted.

30 C is a flat spring, of peculiar shape, inclosed in the pad, this spring being coiled in several coils, one over another, and bent to form eyes *c c'* at its outer ends. The spring C being placed between the pieces B' B², the pieces are sewed together at their edges, leaving, however, two small openings, *g g'*, one at each
35 end, to allow the straps or bands *d d'* to pass through, and which bands are attached at one end to the eyes *c c'* of the spring, and provided with a button-hole at the other end to fasten it to the hip portion of the corset, as shown in
40 Fig. 1. To secure the spring C in its proper position in the pad it is sewed or otherwise fastened at given points at the top and bottom of the same—as, for example, at *e e*.

The supporter, in use, can be sewed to the lower front portion of a corset, as shown in 45 Fig. 1, and the straps operating the spring connected to the hip portions of the corset by buttons and button-holes or other separable fastenings; or the article may be used separately from a corset and be fastened in any 50 suitable manner to the person.

My improved device not only affords a direct support to the abdomen, but by it is secured a lateral elastic support which adjusts 55 itself to any posture of the wearer, and which is a very great desideratum in abdominal supporters.

It is evident my supporters can be made of any suitable material, of any required size, and adapted for either male or female. 60

In some cases the pad may be provided with a plate, of metal or other similar material, for the purpose of stiffening it, and, if desired, such plate may be perforated for ventilation, thereby lessening the heat of the pad, the 65 spring being attached to the plate. Different metals, moreover, may be combined in the proper manner and applied to the pad to make an electrical supporter.

What I claim as new, and desire to secure by 70 Letters Patent, is—

As an improved article of manufacture, an abdominal supporter consisting of a pad having inclosed in it a spring, the opposite ends of which are connected with straps or bands for 75 attaching the whole to the corset or person, as and for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CATHARINE A. WORDEN.

Witnesses:

WILLIAM A. LANE,
J. H. WORDEN.