(No Model.)

I. STROUSE.

SHOULDER BRACE.

No. 317,474. Patented May 5, 1885.

Fig. 1.

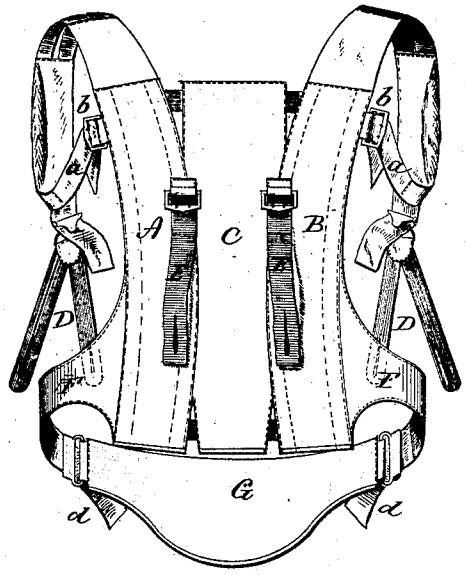
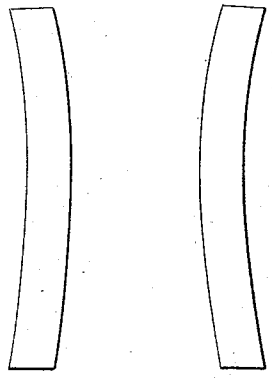


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

ISAAC STROUSE, OF NEW HAVEN, CONNECTICUT.

SHOULDER-BRACE.

SPECIFICATION forming part of Letters Patent No. 317,474, dated May 5, 1885.

Application filed November 24, 1884. (No model.)

To all whom it may concern:

Be it known that I, ISAAC STROUSE, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Shoulder-Braces; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view from the back; Fig. 2, the stays detached.

This invention relates to an improvement in shoulder-braces, designed also as a back-support; and the invention consists in the construction, as hereinafter described, and more particularly recited in the claims.

The back-support consists of two reversely-curved sections, A B, with an intermediate vertical section, C. In each of the curved sections A B a steel stay is introduced, these stays seen in Fig. 2 detached, and shown in broken lines, Fig. 1. These parts are made of double thickness, to form pockets into which the stays may be introduced. The curve of these portions A B is from about the waist-line upward, respectively to the left and right, and from the waist-line downward, respectively to the left and right—that is, the stays are substantially segment-shaped, as seen in Fig. 2, the concave sides respectively to the left and right, and convex sides toward each other. The side portions, A B, extend upward and over the shoulder, returning beneath the arm, terminating in straps *a*, which are secured to their respective stayed portions by a buckle, *b*, or equivalent fastening device.

At the front the shoulder-straps are provided with suspender-ends D, to support the trousers at the front. On the back two separate adjustable straps, E E, are applied well up on the back, extending downward, and terminating in button-holes to be attached to the buttons on the trousers at the back.

From each of the portions A B a strap, F, extends around the waist and forward. At the front is an abdominal pad, G, to the ends of which the straps F F are adjustably secured by buckles *d* or otherwise, and so that the support may be adjusted around the body.

The curved sections or portions A B conform to the natural curve of the body, and afford a firm support to the back each side the spine.

The central portion, C, may or may not be stayed, according to the requirements of the wearer.

I claim—

1. The herein-described shoulder-brace, consisting of the back, composed of the two side portions, A B, each provided with a segment-shaped stay, the convex edges of the stays toward each other, the two convex edges united by a vertical central portion, C, the two portions A B extended from their upper end to form shoulder-straps, the straps extending over to the front and returned under the arm, adjustably secured to the respective sides, and also provided with suspender-ends D, with separate adjustable straps E on the back, provided with button-holes at their free end, the said side portions also provided with straps F near their lower end, extending to the front around the body, and adjustably connected, substantially as described.

2. The herein-described shoulder-brace, consisting of the back composed of the two side portions, A B, each provided with a segment-shaped stay, the convex edge of the stays toward each other, the two convex edges united by a vertical central portion, C, the two portions A B extended from their upper end to form shoulder-straps, the straps extending over to the front and returned under the arm, adjustably secured to the respective sides, and also provided with suspender-ends D, with separate adjustable straps E on the back, provided with button-holes at their free end, the said side portions also provided with straps F near their lower end, extending to the front around the body, with an abdominal support, G, in front, the said straps F adjustably connected to the respective ends of the said support G, substantially as described.

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Witnesses:
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