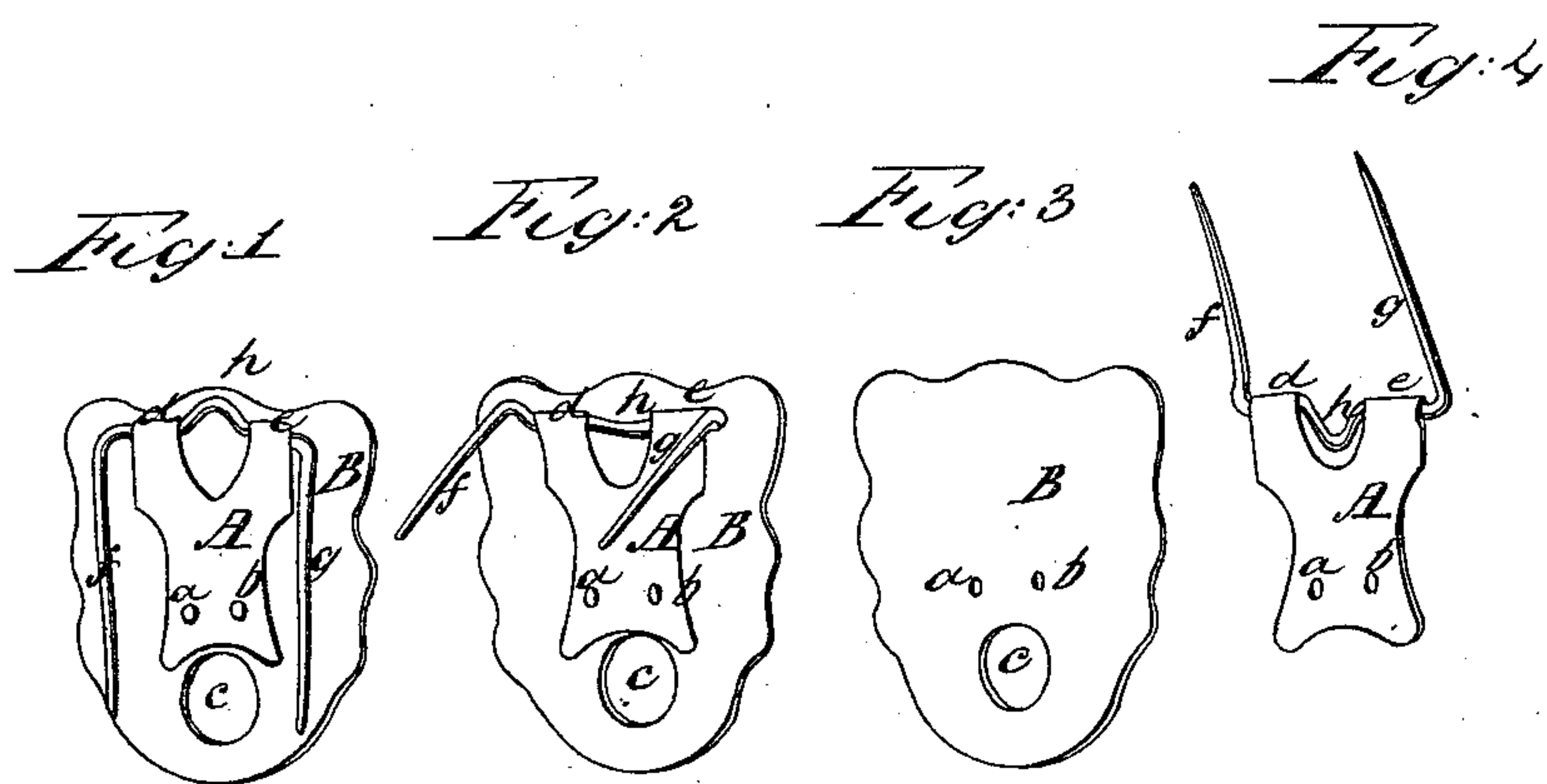


S. S. HARTZHORN.
SUSPENDER BUCKLE.

No. 6,736.

Patented Sept. 25, 1849.



UNITED STATES PATENT OFFICE.

SHELDON S. HARTZHORN, OF NAUGATUCK, CONNECTICUT.

SUSPENDER-BUCKLE.

Specification of Letters Patent No. 6,736, dated September 25, 1849.

To all whom it may concern:

Be it known that I, SHELDON S. HARTZHORN, of the town of Naugatuck, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Buckles or Fasteners for Suspenders and for other Purposes; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, which make a part of this specification, in which—

Figure 1 is a perspective view of the buckle or fasteners complete, showing the spring and the tongues or pins in the position to which the spring will force them when on the suspender or other article. Fig. 2 is a perspective view of the buckle or fastener, also complete, showing the tongues or pins raised up in a convenient position to be inserted through the webbing of the suspender. Fig. 3 is a perspective view of the plate, or front, of the buckle or fastener. Fig. 4 is a perspective view of the spring and tongues or pins separate from the plate.

I make the plate, or front part, of the buckle or fastener (as seen at B, Fig. 3) of steel, case hardened iron, or any other suitable metal, of such shape and size as fancy may direct or usefulness may require, with two small holes, *a* and *b*, for rivets or screws for holding on the spring, and a hole, *c*, near the lower end, by which the buckle or fastener is to be attached to the buttonhole part of the suspender (or the standing part, for other articles,) which hole, (*c*,) may be made of any required shape or size.

I make the spring, A, Figs. 1, 2, and 4, of steel, or any other suitable metal, with the two parts at the upper end turned over to form eyes, as seen at *d* and *e*, Figs. 1, 2, and 4, to receive and hold the tongues or pins; and with two small holes, *a* and *b*, Fig. 4, by which it is to be riveted, screwed, or otherwise fastened to the plate B.

I make the tongues or pins, *f* and *g*, Figs. 1, 2, and 4, of steel wire, or other suitable wire, in one piece, and in the form, substantially, as shown in Figs. 1, 2, and 4, and attach them to the spring by inserting them through the eyes, *d* and *e*, as seen in Figs. 1, 2, and 4.

I fasten the lower end of the spring, A, Fig. 4, to the posterior side of the plate, B, Fig. 3, by means of rivets or screws, as seen

at *a* and *b*, Figs. 1 and 2, and the buckle or fastener is complete.

To use this buckle or fastener, I raise up the lower ends of the tongues or pins to a convenient angle with the plate, as seen at *f* and *g*, in Fig. 2, and then insert them through the webbing of the suspender, or other material, and bring them down to the position seen at *f* and *g* in Fig. 1, where they are firmly held by the force of the spring, A, in consequence of the bent part, *h*, of the central part of the wire of which the tongues are made resting on the plate, B, as seen in Fig. 1.

When the buckle or fastener is thus attached to the suspender or other article, the whole of the strain will come on that part of the tongues or pins which is nearest to the upper end of the spring and substantially in a right line with the length of the spring, and will not have any tendency to raise the tongues or pins from the position shown in Fig. 1, and therefore a buckle or fastener of the size shown in Fig. 1 would possess sufficient strength for almost any part of the harness for a horse.

These buckles or fasteners may be used on all straps, &c., for military uniforms and equipments, or for harnesses for horses, as well as for suspenders; and, in fine, for every purpose for which buckles are usually employed. And they may be made much more ornamental and elegant than any form of buckle heretofore used, as the front side of the plate may be polished, plated, galvanized, embossed, or finished in any other way, and may be made in any form and of any kind of metal, as may be desired; while the spring and tongues or pins will be entirely concealed behind the plate at all times.

What I claim as my invention, and desire to secure by Letters Patent, is—

Constructing a buckle, or fastener, for suspenders, and other purposes, of a front plate, (B,) a spring, (A,) with two eyes, or places, (*d*, *e*,) to hold the tongues, or pins, and the tongues, or pins, (*f*, *g*,) made of one piece, bent to the shape, substantially, as shown in Figs. 1, 2, and 4, when the whole is arranged, connected, and combined, substantially, as herein described.

SHELDON S. HARTZHORN.

Witnesses:

JOS. G. E. LARNED,
HENRY B. HARRISON.