C. B. BRISTOL.

STRAP-HINGE.

No. 186,105. Patented Jan. 9, 1877.

Fig. 1

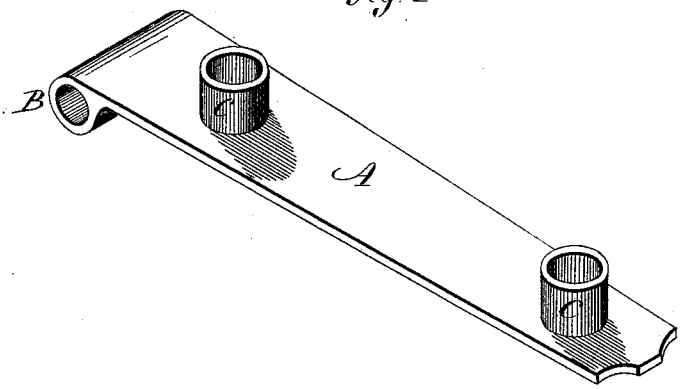
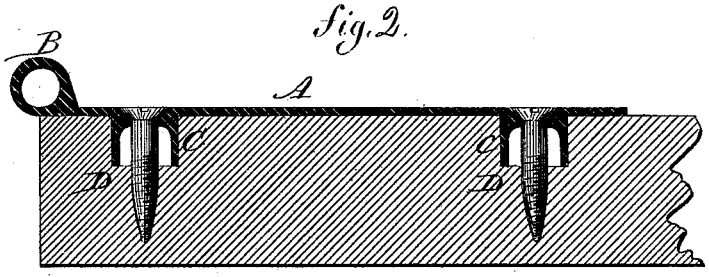


Fig. 2.



Witnesses.

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UNITED STATES PATENT OFFICE.

CHARLES B. BRISTOL, OF NEW HAVEN, CONNECTICUT.

IMPROVEMENT IN STRAP-HINGES.

Specification forming part of Letters Patent No. **186,105**, dated January 9, 1877; application filed October 27, 1876.

To all whom it may concern:

Be it known that I, CHARLES B. BRISTOL, of New Haven, in the county of New Haven and State of Connecticut, have invented a new Improvement in Strap-Hinges; and I do hereby declare the following, when taken in connection with the 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, and in Fig. 2 a section illustrating the application of the invention.

This invention relates to an improvement in that class of hinges commonly termed "strap-hinges," or such as are applied upon the surface of the thing to be hinged.

In this class of hinges the entire vertical strain is usually brought upon the screws, and as the strap must be perforated in order to insert the screws, it is weakened at the point where the perforations are made, and the result is, that a break frequently occurs at the first screw from the pintle.

The object of this invention is to avoid these difficulties; and it consists in constructing the hinge with one or more hollow studs or bosses on the rear surface around the screw-hole, and so as to enter corresponding recesses in the thing to be hung, as more fully hereinafter described and definitely claimed.

A represents the strap of one part of the hinge, formed at one end with an eye, B, in the usual manner. The other part may be a similar strap, with a pintle on its end; or the pintle may be formed on a shank, in the well-known manner. On the rear surface of the strap, and around the screw perforations, a hollow stud or boss, C, is formed, the screws passing through such bosses. In applying the hinge thus constructed, recesses D are formed in the thing to which the strap is to be attached, corresponding to the respective bosses C; then the screw is introduced in the usual manner. By this construction it will be observed that the vertical strain or force will be borne mainly by the said hollow studs or bosses, and not by the screws, as in straps without the boss.

Again, the hollow bosses surrounding the screw-hole strengthen the strap at that point, so that it becomes the strongest part of the strap.

I claim—

The herein-described improvement for strap-hinges, consisting in constructing the strap with one or more hollow studs or bosses formed on its rear surface and around the screw perforations, substantially as described.

CHAS. B. BRISTOL.

Witnesses:

JOHN E. EARLE,

CLARA BROUGHTON.