

S.G. & W.E. Sturges,

Clasht.

No. 94,042.

Patented Aug 24. 1869.

Fig. 1.

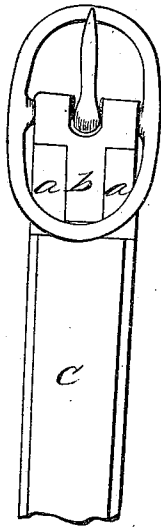


Fig. 3.

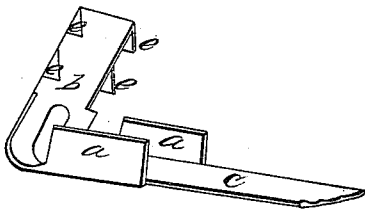
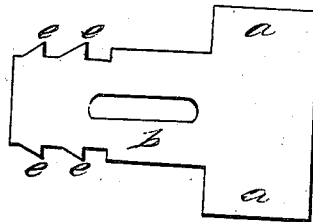


Fig. 2.



Witnesses:

W. M. Gording

Edmund Collier

Inventor:

Stephen G. Sturges
William E. Sturges

UNITED STATES PATENT OFFICE.

STEPHEN G. STURGES AND WILLIAM E. STURGES, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN CLIPS FOR ATTACHING BUCKLES.

Specification forming part of Letters Patent No. 91,012, dated August 24, 1869.

To all whom it may concern:

Be it known that we, STEPHEN G. STURGES and WILLIAM E. STURGES, of the city of Newark, in the county of Essex and State of New Jersey, have made certain Improvements in Clips for Attaching Buckles, Rings, &c., to Straps; and we declare the following, taken in connection with the accompanying drawings, to be a full and exact description thereof.

In the manner of securing the buckle, &c., to the strap without stitch, rivet, or doubling the end of the strap, in a quick economical way, equaling, if not excelling, other methods of securing and holding, consists our alleged improvement.

With suitable dies, a blank of the form shown in Figure 2 is cut from thin sheet metal. The blank is doubled to the form shown in Fig. 3. The buckle or ring is placed in the bend, and by means of appropriate punches, the two lips *a a* are bent over the part *b*, which has previously been pressed down upon the strap *c*, that had been placed between the lips, the compression causing the teeth *e* to enter the strap a small distance from its edge on either side, they being firmly held therein by turning over and pressing down the lips *a* upon the piece *b*, giving the neat finish shown in Fig. 1.

While aware of the many ways of cutting or punching projections on thin metal, for attachments to leather or other substances used in the shoe, the suspender, and the harness business, we are not aware of any case where the saw-teeth *e* are used in the manner shown; nor are we cognizant of any case where the holding-points are themselves held in place in the manner described. While corrugations or punchings in the part *b* can be pressed and held to the strap *c* by the lips *a*, the teeth *e* are preferred, as being the most secure in practical wear and tear.

We do not claim securing metal to leather or other flexibles by means of cuttings or punchings, as it is commonly done; but

What we do claim and desire to secure is--

The clip described, when constructed and combined with a strap in the manner and for the purpose specified.

STEPHEN G. STURGES.
WILLIAM E. STURGES.

Attest:

W. M. GOODING,
EDWARD COLLVER.