

(No Model.)

J. C. PARMERLEE & A. SWIFT.

BUCKLE.

No. 333,327.

Patented Dec. 29, 1885.

Fig. 1.

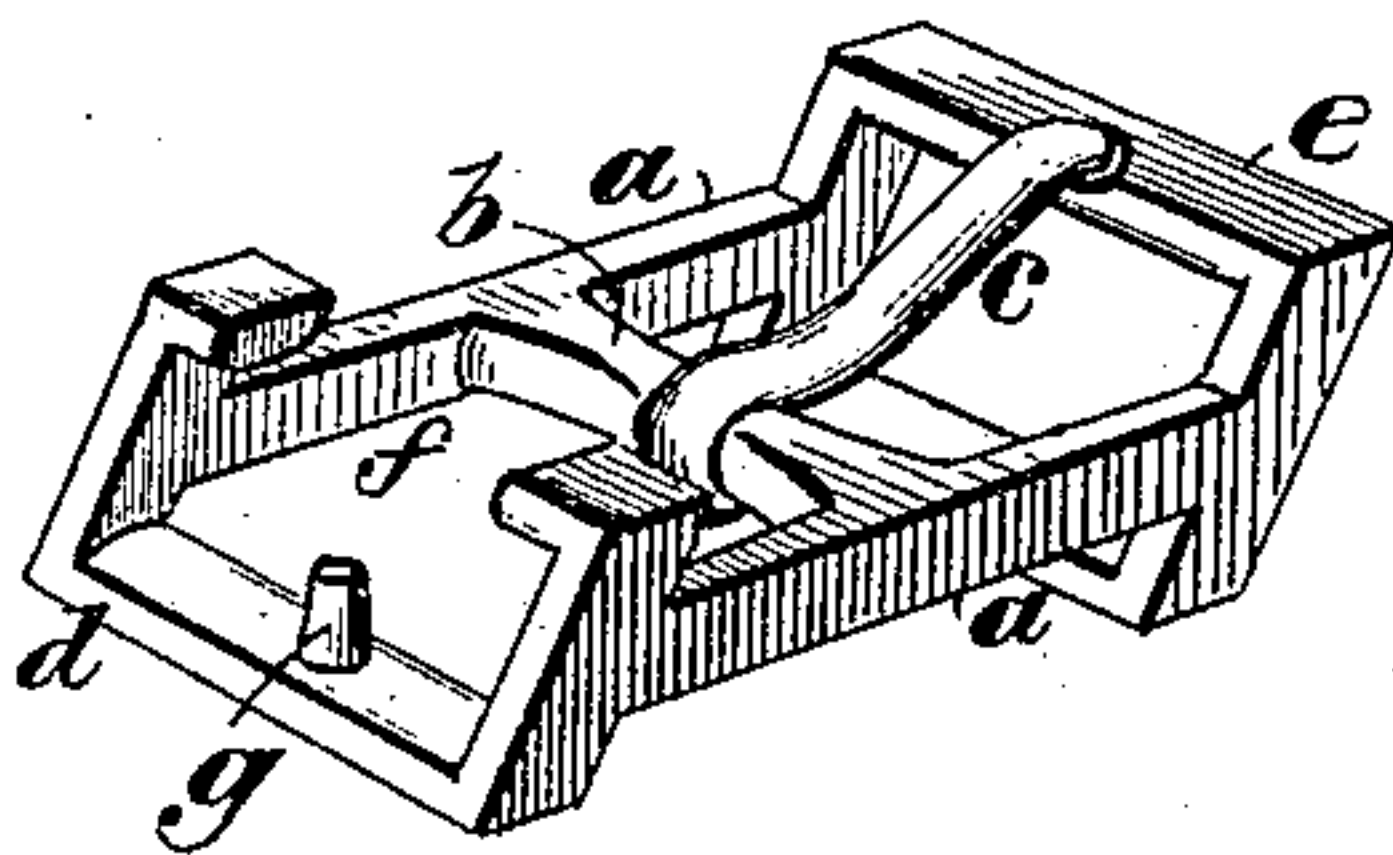


Fig. 2.

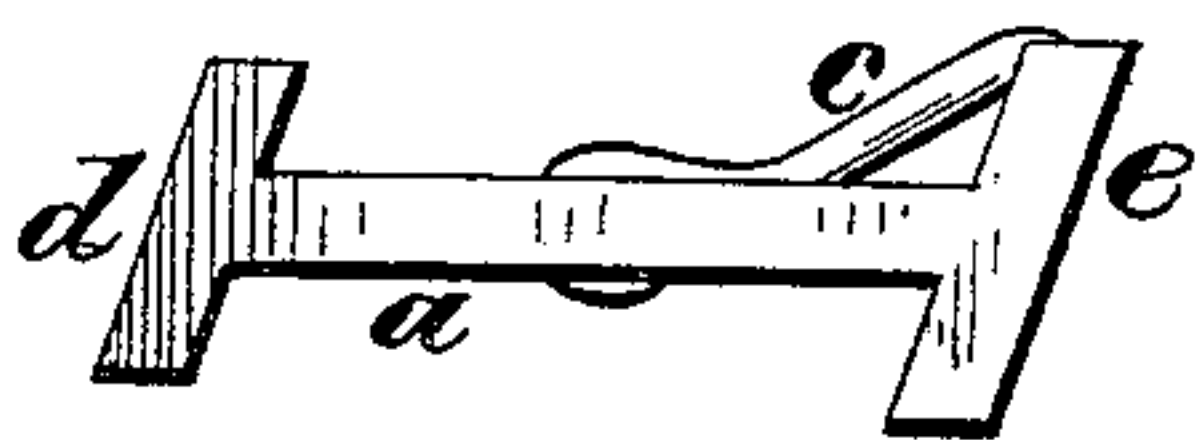


Fig. 3.

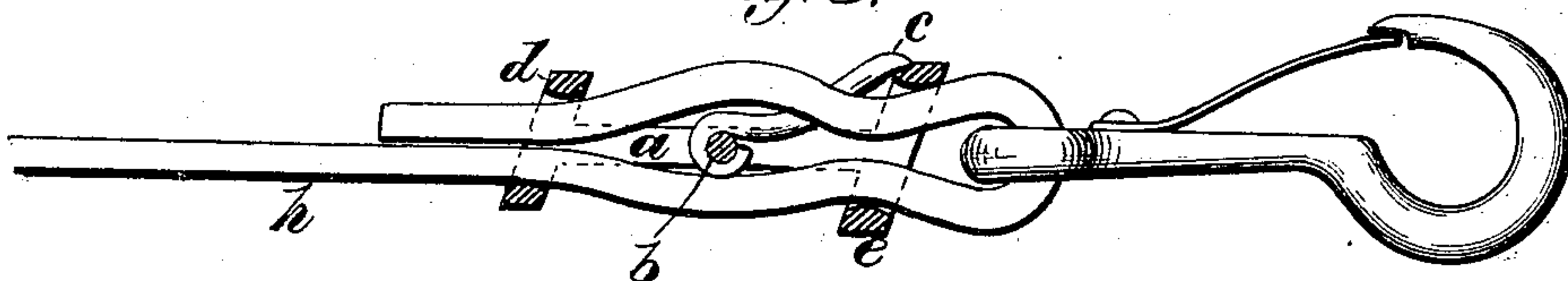
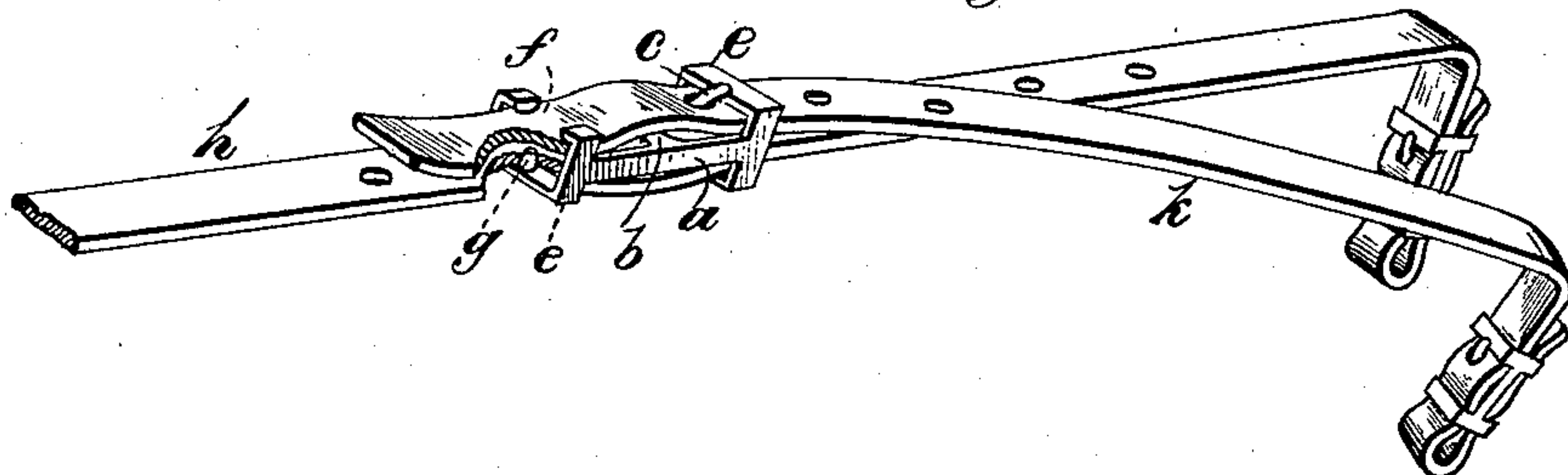


Fig. 4.



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UNITED STATES PATENT OFFICE.

JAMES C. PARMERLEE AND ALONZO SWIFT, OF SEDALIA, MISSOURI.

BUCKLE.

SPECIFICATION forming part of Letters Patent No. 333,327, dated December 29, 1885.

Application filed June 1, 1885. Serial No. 167,243. (No model.)

To all whom it may concern:

Be it known that we, JAMES C. PARMERLEE and ALONZO SWIFT, citizens of the United States, residing at Sedalia, in the county of Pettis and State of Missouri, have invented new and useful Improvements in Buckles, of which the following is a specification.

Our invention relates to an improved form of buckle that is readily attached and adjusted to any desired position upon a strap for connecting the parts of a harness or for other purposes, and whereby the manufacture of the buckle is facilitated.

The invention consists of a buckle having an obliquely-arranged box-loop at each end, and embracing other peculiarities of construction, as hereinafter set forth.

In the annexed drawings, illustrating the invention, Figure 1 is a perspective view of our improved buckle. Fig. 2 is a side view of the same. Fig. 3 is a longitudinal section of the buckle with strap attached thereto and looped into a snap-hook, and Fig. 4 shows the buckle connecting two straps.

The buckle-frame comprises the side bars or plates, *a a*, which are connected at or near the center by a transverse bar, *b*, on which the tongue *c* is swung. At opposite ends of the buckle-frame, and integral therewith, are oblique box-loops *d e*, through which the strap passes, and which confine the end of the strap and the return portion thereof, and at the same time enable the buckle to slide along the strap to any desired point. It will be observed that the oblique box-loop *e*, on which the end of the buckle-tongue rests, is made somewhat larger than the oblique loop *d*, thereby allowing the strap to pass freely through the larger loop and bind at the smaller one. This also enables a strap or ring to be drawn into close contact with said enlarged loop *e*, if required. The oblique position of the box-loops *d e* avoids direct pressure upon the opposite sides of the strap, and enables the buckle to be readily moved thereon to any desired position. The construction also facilitates the removal of the casting from its mold, as hereinafter explained.

We prefer to make both oblique loops *d e* with solid or uncut sides; but, if desired, the loop *d* may have a slot or opening, *f*, cut through one side, to facilitate the insertion and

withdrawal of the strap end after it has been attached to the buckle-tongue. If desired, the inner side of the loop *d*, below the slot *f*, may be provided centrally with a rigid stud, *g*, to engage one of the openings of the strap, and so hold the buckle at any desired place on a main strap, while the buckle-tongue is used to attach another strap. By means of this stud *g* the buckle can be placed and fastened at any point on a main strap, and a check-line or cross-strap attached to the harness of the opposite horse in a team can be buckled thereto, as shown in Fig. 4, in which *h* represents the main strap, and *k* the check or cross-strap for opposite horse. On withdrawing the end of the strap *k* from the loop *d*, and without detaching said strap from the buckle-tongue *c*, the stud *g* can be readily disengaged from the main strap *h*, so as to enable the buckle to be slipped along said main strap to a new position, where it is secured by engaging the stud *g* with another hole in said main strap, after which the end of the cross-strap *k* will be again inserted into the loop *d* of the buckle. This form of buckle, therefore, besides its other uses, enables two straps to be connected and adjusted relative to each other without detaching them from the buckle.

When the buckle is employed, as shown in Fig. 3, to attach a strap, *h*, to a snap, ring, or other object, the strap *h* is just passed through the oblique loops *d e*, and beneath the cross-bar *b*, then through the snap-hook, ring, or other object to which it is to be attached. It is then returned upon itself, passed through the upper part of the loop *e*, brought into engagement with tongue *c*, and its end slipped into the loop *d*, in which position the parts will be firmly connected.

It will be observed that the oblique position of the box-loops *d e*, at opposite ends of the buckle, is such as to greatly facilitate the manufacture of buckles with box-loop ends by casting. This is due to the obliquity of the loop ends in our buckle being of such a degree as to throw the opposite sides of said loops out of line, thus enabling the pattern to be readily drawn from a sand mold without injury to the casting.

What we claim as our invention is—

1. A buckle consisting of the side bars, *a*, provided at each end with an oblique box-

loop, *d* and *e*, and connected by a central cross-bar, *b*, carrying the tongue, substantially as and for the purpose described.

2. A buckle consisting of the side bars, *a* 5 *a*, connected by a central cross-bar, *b*, carrying the tongue *c*, and provided at each end with oblique box-loops *d e*, of unequal size, whereby one of said loops will move freely on a strap and the other bind thereon, substantially as 10 described.

3. A buckle having oblique box-loops *d e* at opposite ends, one of said loops being provided with a slot, *f*, to facilitate the insertion and withdrawal of the strap, substantially as 5 described.

4. A buckle consisting of the side bars, *a* *a*, connected by a central cross-bar, *b*, carrying the tongue *c*, and provided with box-loops *d e*

at each end, one of which loops is provided internally with a stud, *g*, to hold the buckle 20 in place upon a strap, substantially as described.

5. In a buckle, the combination of the side bars or plates, *a a*, the cross-bar *b*, having a swinging tongue, *c*, and the oblique box-loops 25 *d e* at opposite ends of said buckle, one of said loops being provided with a slot, *f*, and stud *g*, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

JAMES C. PARMERLEE.
ALONZO SWIFT.

Witnesses:

A. P. MOREY,
W. F. BOYER.