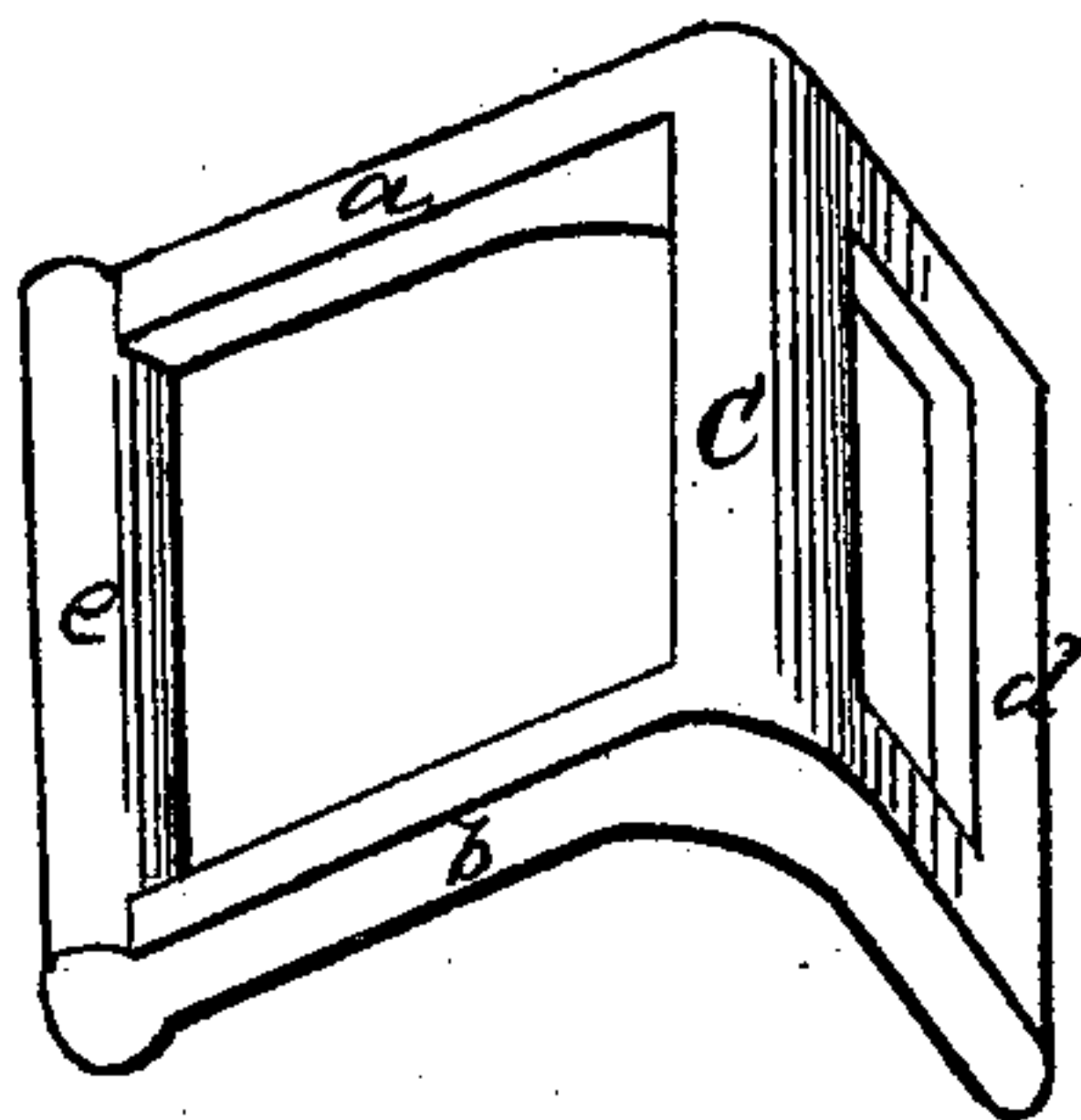
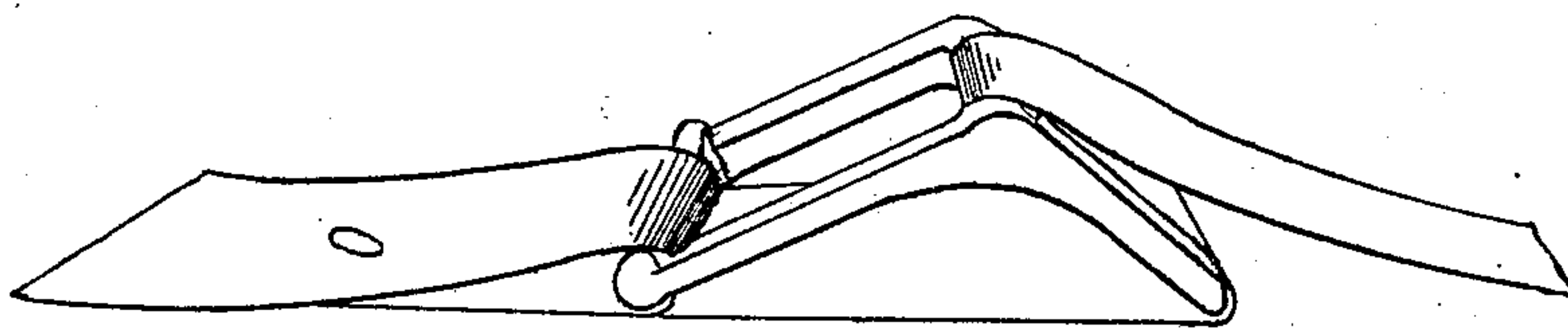


J. W. HEDENBERG.  
COTTON BALE TIE.

No. 75,267.

Patented Mar. 10, 1868.



Witness.  
Wm. W. Walden

Inventor.  
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JOHN W. HEDENBERG, OF CHICAGO, ILLINOIS.

*Letters Patent No. 75,267, dated March 10, 1868.*

IMPROVEMENT IN COTTON-BALE TIE.

*The Schedule referred to in these Letters Patent and making part of the same.*

TO WHOM IT MAY CONCERN:

Be it known that I, JOHN W. HEDENBERG, of Chicago, in the county of Cook, and State of Illinois, have invented a new and useful Improvement in Buckles to be Used in Banding Bales of Cotton; and I do hereby declare that the following is a true and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is to provide a cheap, simple, and efficient buckle to be used in baling cotton.

My buckle is made in one piece, and can be made of cast or wrought metal.

Figure 1 is a perspective view, and

Figure 2 is a side view of my buckle, with the two ends of the band properly attached and ready for use.

The two sides of the buckle *a* and *b*, fig. 1, are bent at an angle of about forty-five degrees, the distance from *c* to *d* being about one-half to a third as long as the distance from *c* to *e*. There are three bars, *e c d*, extending from the sides *a* and *b*, as shown in fig. 1. They are also located as shown in fig. 1.

The operation of my invention is as follows: One end of the band is permanently fastened at the bar *e*. The other end is passed around the bale, over the bar *c*, through between the bars *c* and *d*, over the bar *d*, and then back under the buckle, extending back as far as desirable.

It will be observed that the end of the band in passing over and around the bars *c* and *d*, describes two acute angles, and that the two angles do not fall in the same perpendicular line, as the two bars are in different planes. A plane drawn through the bars *d* and *e*, it will be observed, is so placed that it forms an angle of about forty-five degrees with a plane drawn through the bars *c* and *e*. The bar *d* might be placed so as to fall directly under the bar *c*, or it might be placed so as to come between the two, with the same result as at present located. These bars are made round, or nearly so, the edges being rounded or bevelled, so that there are no sharp edges presented to the band.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A cotton-tie buckle, made and constructed substantially in the manner described.

JOHN W. HEDENBERG.

Witnesses:

JAMES A. COWLES,

JOHN BROWNE.