

M. F. McINTIRE.  
HORSE COLLAR FASTENER.

No. 90,374.

Patented May 25, 1869.

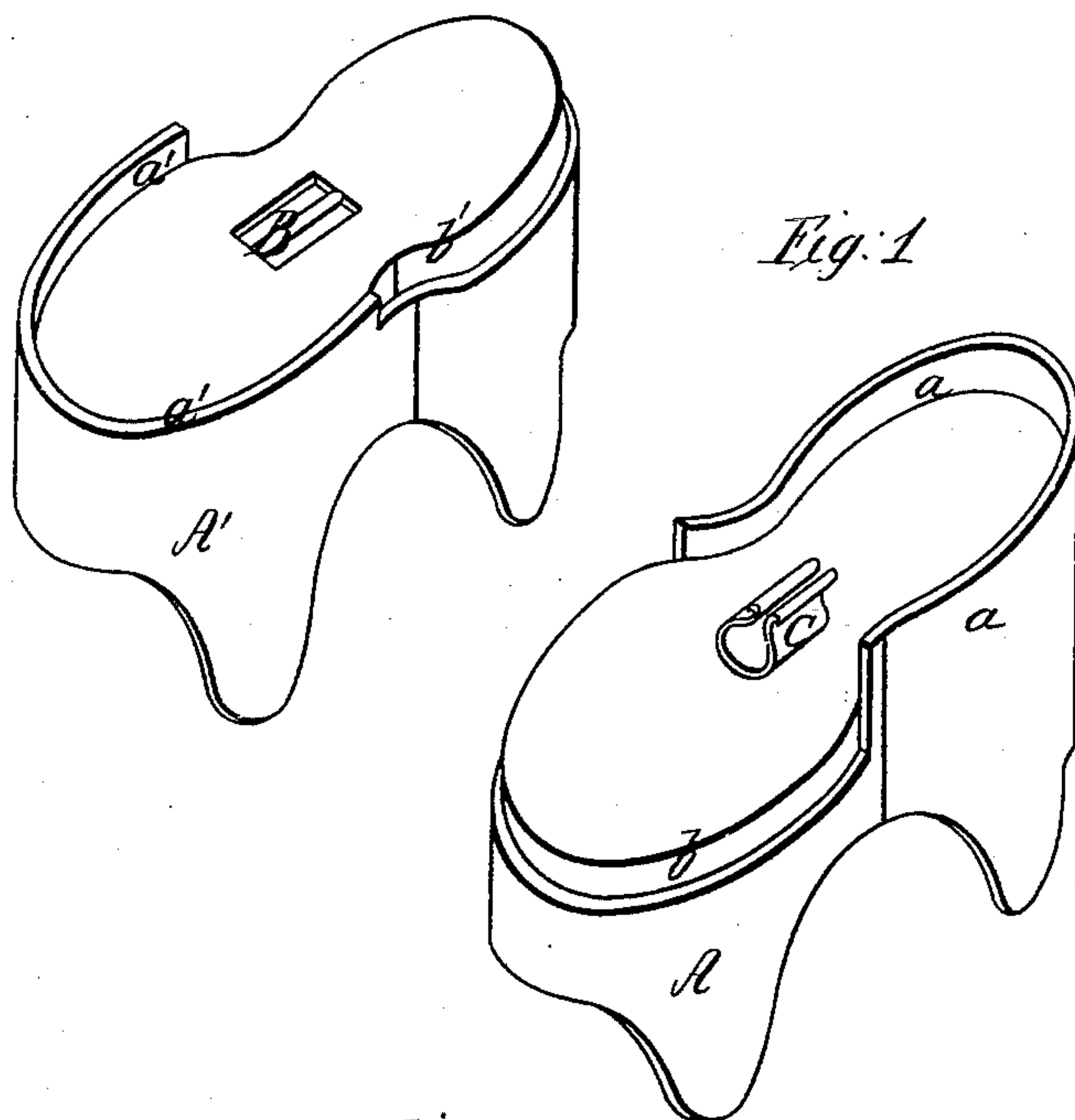
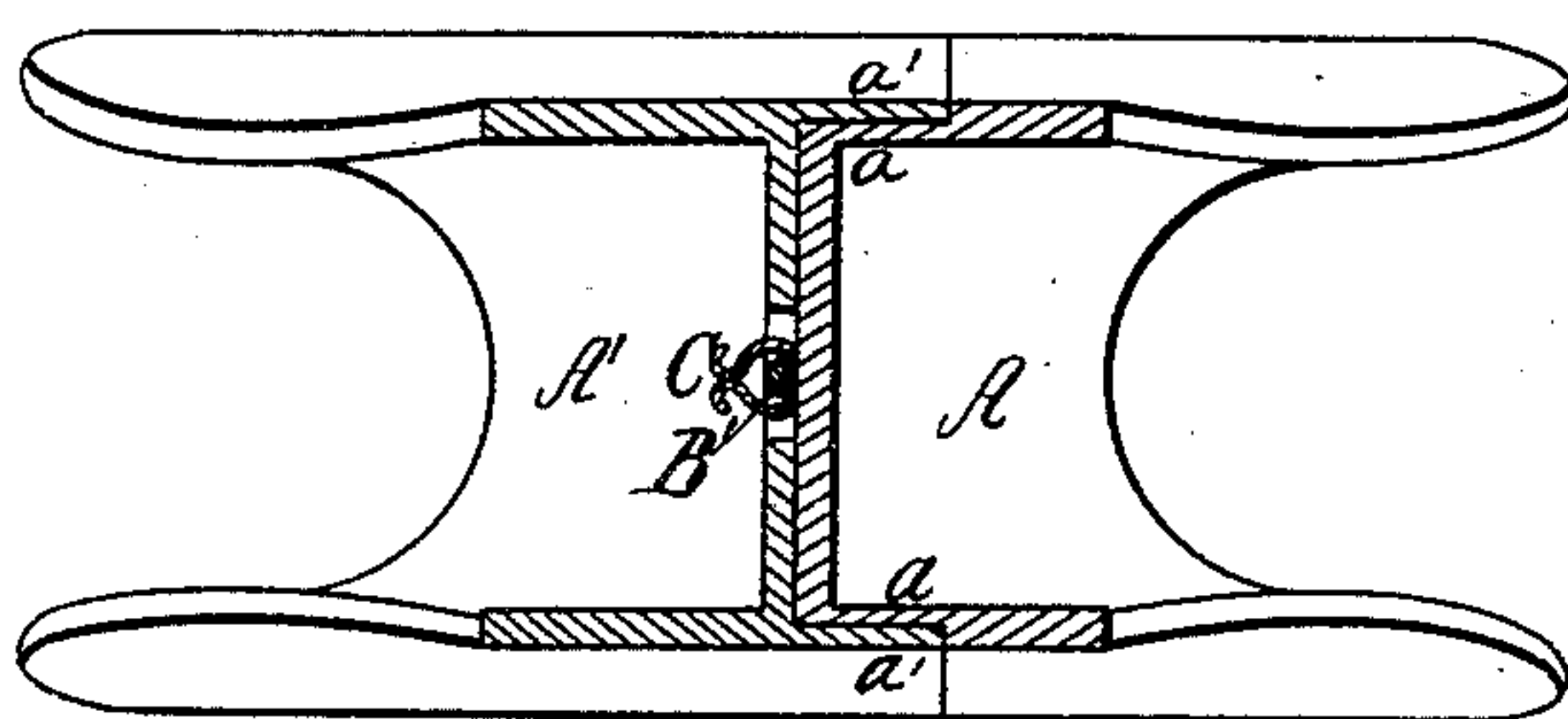


Fig. 2.



Witnesses;  
G. A. Smith  
M. F. McIntire

Inventor;  
M. F. McIntire  
By J. C. Theaker  
his attorney.

# United States Patent Office.

M. F. McINTYRE, OF GIRARD, PENNSYLVANIA.

*Letters Patent No. 90,374, dated May 25, 1869.*

## IMPROVED HORSE-COLLAR FASTENING.

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

### *To all whom it may concern:*

Be it known that I, M. F. McINTYRE, of Girard, in the county of Erie, and State of Pennsylvania, have invented a new and useful Improvement in Horse-Collar Fasteners; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my invention.

Figure 2 is a longitudinal vertical section.

The nature of my invention consists in so constructing a fastening for horse-collars that it can be readily adjusted and easily detached, while at the same time the fastening is sufficiently firm to hold the collar in place until the hames are secured in position.

To enable those skilled in the art to which my invention appertains, to make and use the same, I will proceed to describe its construction and operation.

In the drawings—

A A' represent two metallic caps, corresponding in form with the lower portion of a horse-collar, that is to say, their sides form a continuation of the groove or cavity which is formed on the outside of a horse-collar for the reception of the hames, the ends of the collar being at the lower portion, instead of the upper.

The caps A A' are attached to the ends of the collar by riveting, stitching, or in any other suitable manner.

The cap A is formed with a flange, *a*, projecting beyond the face for about one-half of its extent, the other half being formed with a shoulder, *b*.

The cap A' is formed the reverse of the cap A, as regards the flanges and shoulders, so that when the two caps are face to face, the flange *a* fits against the shoulder *b'*, and the flange *a'* fits against the shoulder *b*.

In the face of the cap A', is a square or oblong opening, across which passes a bar, B, which engages with a spring-clasp, C, on the cap A.

The bar B may be attached by riveting or soldering, or may be formed with the cap.

The spring-clasp C is made by curling the ends of a piece of sheet-metal, and then bending it in such a manner that a section or edge view would somewhat resemble the letter C, and it is secured to the face of the cap A by riveting or soldering.

The caps A A' may be either cast or formed of sheet-metal, as may be preferred.

In adjusting this fastening, the caps A A' are placed face to face, when the bar B will readily pass between the curled ends of the spring-clasp C, and be held by it sufficiently fast to keep the collar in place until the hames are secured around it.

In detaching the collar, it is only necessary to take hold of the caps and pull them apart, when the spring-clasp C will easily yield and allow the bar B to pass between the curled ends.

The hames being securely fastened around the collar, all the strain is upon the hames and not on the collar, and it is therefore only necessary that the ends of the collar should be held together by the bar and spring-clasp until the hames are properly adjusted.

Having thus described my invention,

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

The spring-clasp C and bar B, in combination with the caps A A', substantially as shown and described, for the purpose specified.

M. F. McINTYRE.

Witnesses:

E. R. BROWN,  
G. A. C. SMITH.