

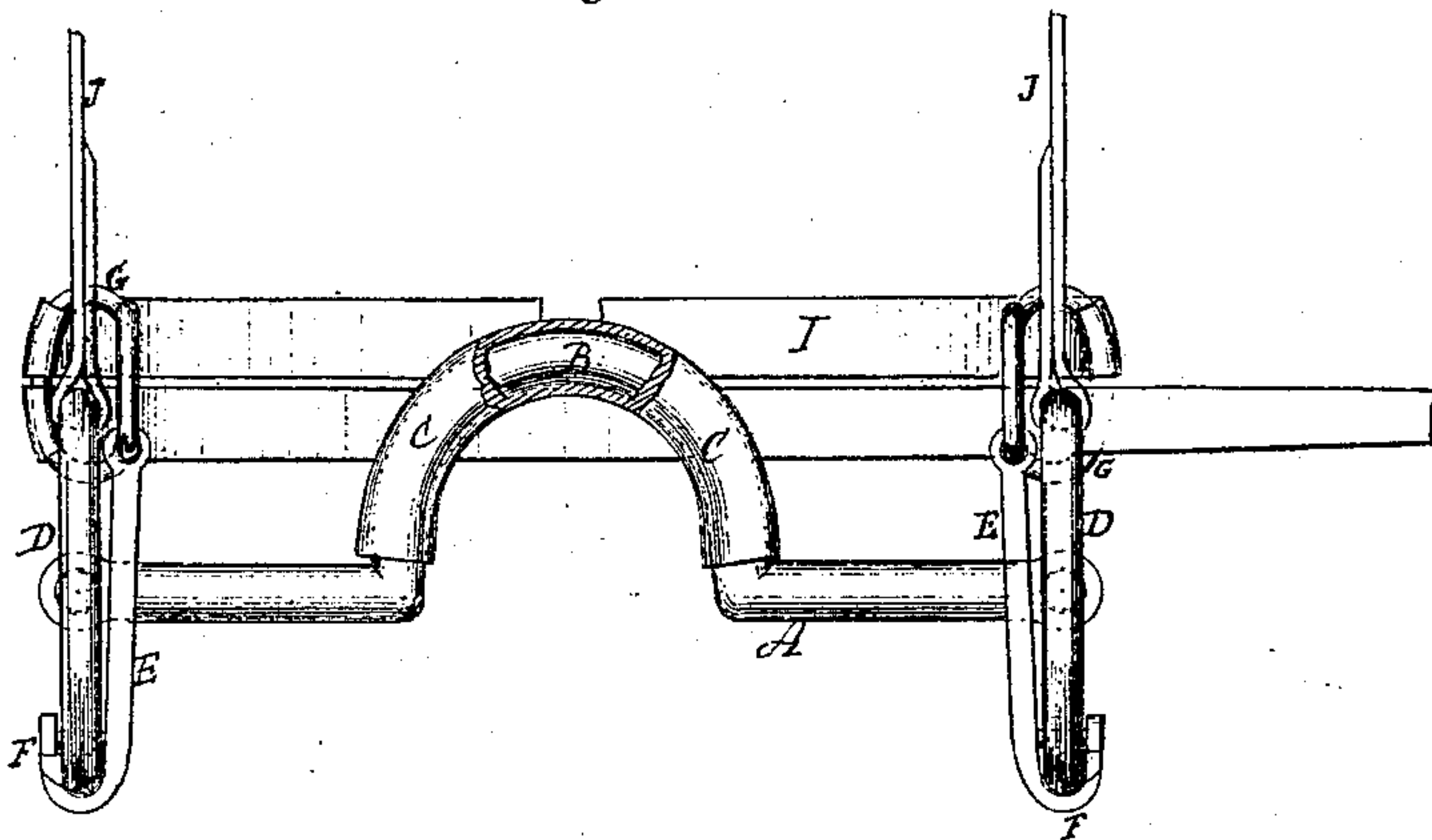
*M. J. Firey,*

*Bridle Bit.*

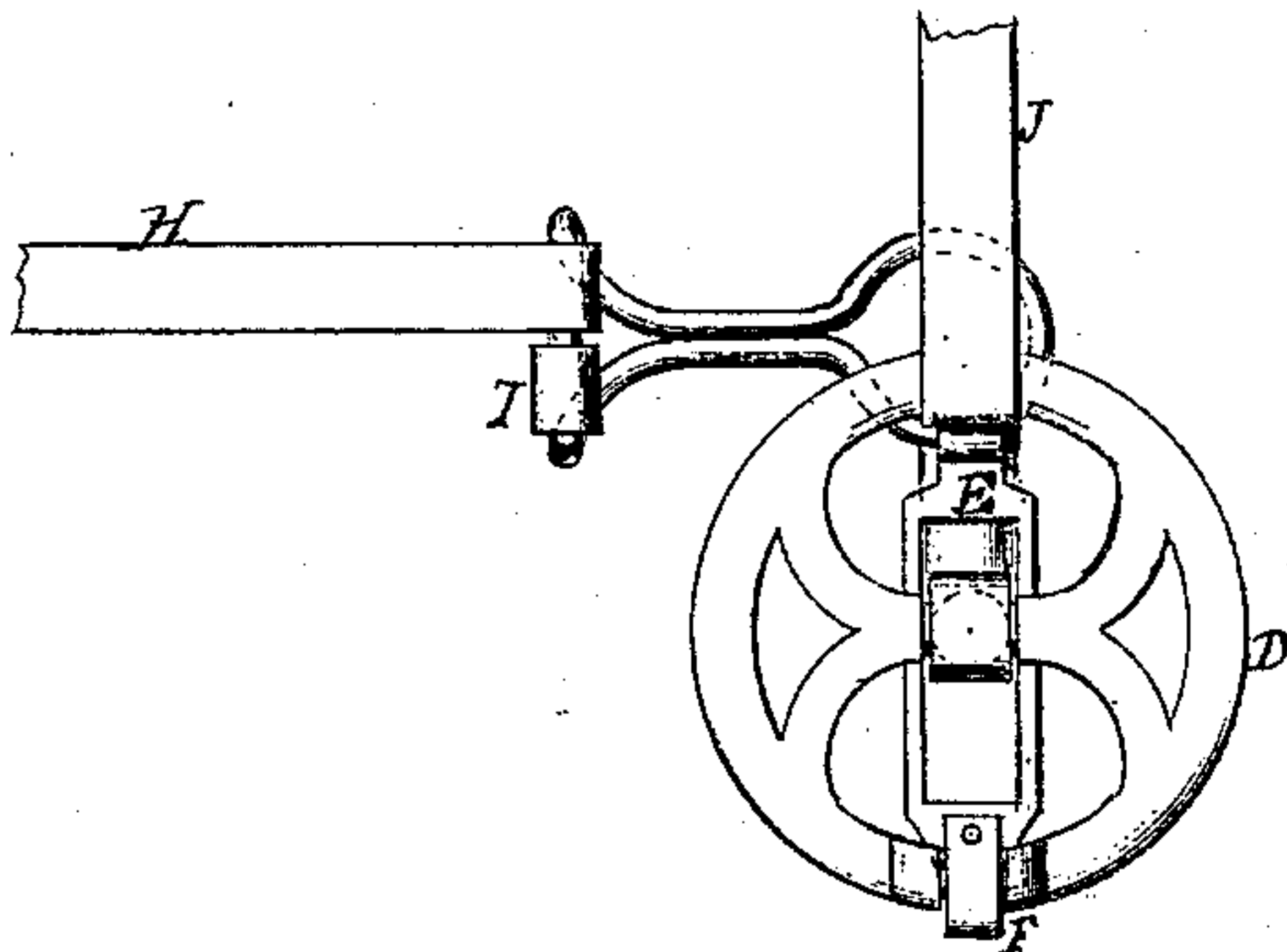
*No. 104,134.*

*Patented June 14, 1870.*

*Fig. 1*



*Fig. 2.*



**Witnesses:**

*E. J. Wolf*  
*S. S. Mabey*

**Inventor:**

*M. J. Firey*  
**PER** *Munn Co*  
**Attorneys.**

# United States Patent Office.

MILTON J. FIREY, OF MANSFIELD, OHIO.

Letters Patent No. 104,134, dated June 14, 1870.

## IMPROVED BRIDLE-BIT.

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, MILTON J. FIREY, of Mansfield, in the county of Richland and the State of Ohio, have invented a new and useful Improvement in Bridle-Bit; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

The object of this invention is to provide suitable and efficient means for securing and controlling horses, more especially designed for vicious and headstrong horses which cannot be controlled by the ordinary bit, or which have a habit of pulling and breaking away when hitched; and

It consists in the construction and arrangement of parts hereinafter described.

In the accompanying drawing—

Figure 1 is a front view of the bit showing the reins and hitching-strap attached.

Figure 2 is an end view of the same.

Similar letters of reference indicate corresponding parts.

A is the bit or mouth-piece, constructed with a curved central bow, B.

This bow is covered with rubber, gutta-percha, or other equivalent substance, to prevent injury to the horse's mouth, when the bow is pressed down.

C represents this covering.

D D are rings, to which the ends of the bit are jointed, as shown in the drawing.

E E are slides, jointed at one end to the lower portion of the rings at the points F F.

These slides are slotted, and the bit passes through the slots, as seen in fig. 1.

G G are links attached to the other ends of the slides. The reins and the hitching-strap are attached to these links.

H represents the reins, and

I, the hitching-strap.

J is the headstall, attached to the top portion of the rings D.

The bow B stands upright in the horse's mouth, when the reins are loose in driving, and the slides also stand upright with the bow, but their top ends may be drawn inward toward the bow, so as to press the jaw between them when the horse pulls upon the strap.

This gripping of the under jaw is so painful to the horse that he soon ceases his efforts to break the strap.

In driving the horse the slides E act as levers when the reins are drawn, and serve to press the bow B down upon the tongue with any force required to curb or control the horse.

If the horse is gentle, and only requires guiding, the reins may be attached directly to the rings.

The bit is thus adapted to gentle as well as fractious horses.

In hitching the horse, if he has a habit of pulling, the strap, being attached to one of the links G, is passed through the other link. When the strap is thus arranged, pulling gripes the jaw, with the result already mentioned.

Having thus described my invention,

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

1. The combination, with a bridle-bit, of the slides E E, links G G, and the bow B, when the same are arranged to operate substantially as and for the purposes described.

2. The rubber covering C on the bow B of the bit, substantially as and for the purposes described.

MILTON J. FIREY.

Witnesses:

THOMAS MCBRIDE,  
DAVID WISE.