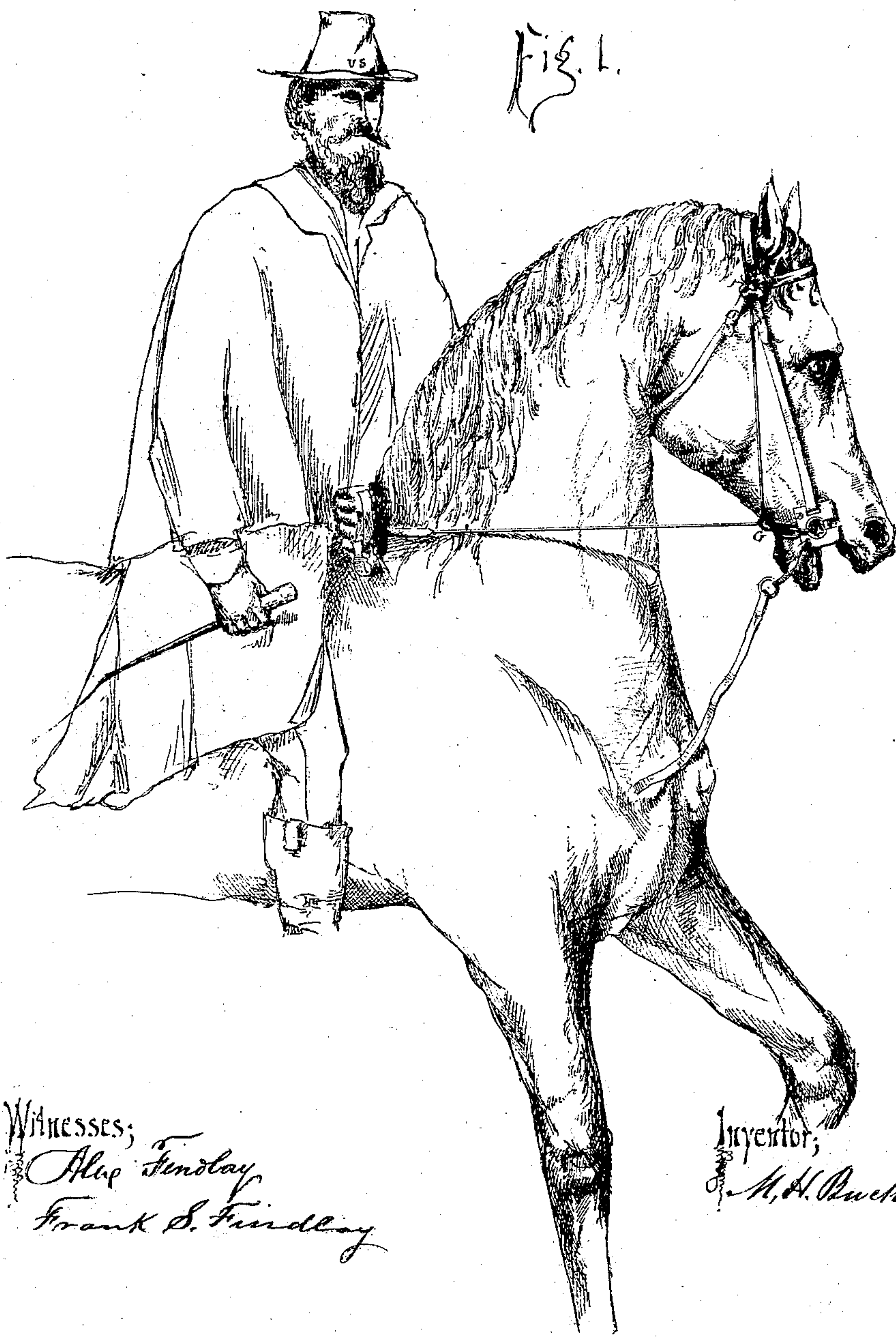


*M. H. Buchanan,* 2 Sheets, Sheet 1.

*Bridle.*

*No. 99,834.*

*Patented Feb. 15. 1870.*



Witnesses;  
*Alap Findlay*  
*Frank S. Findlay*

Inventor;  
*M. H. Buchanan*

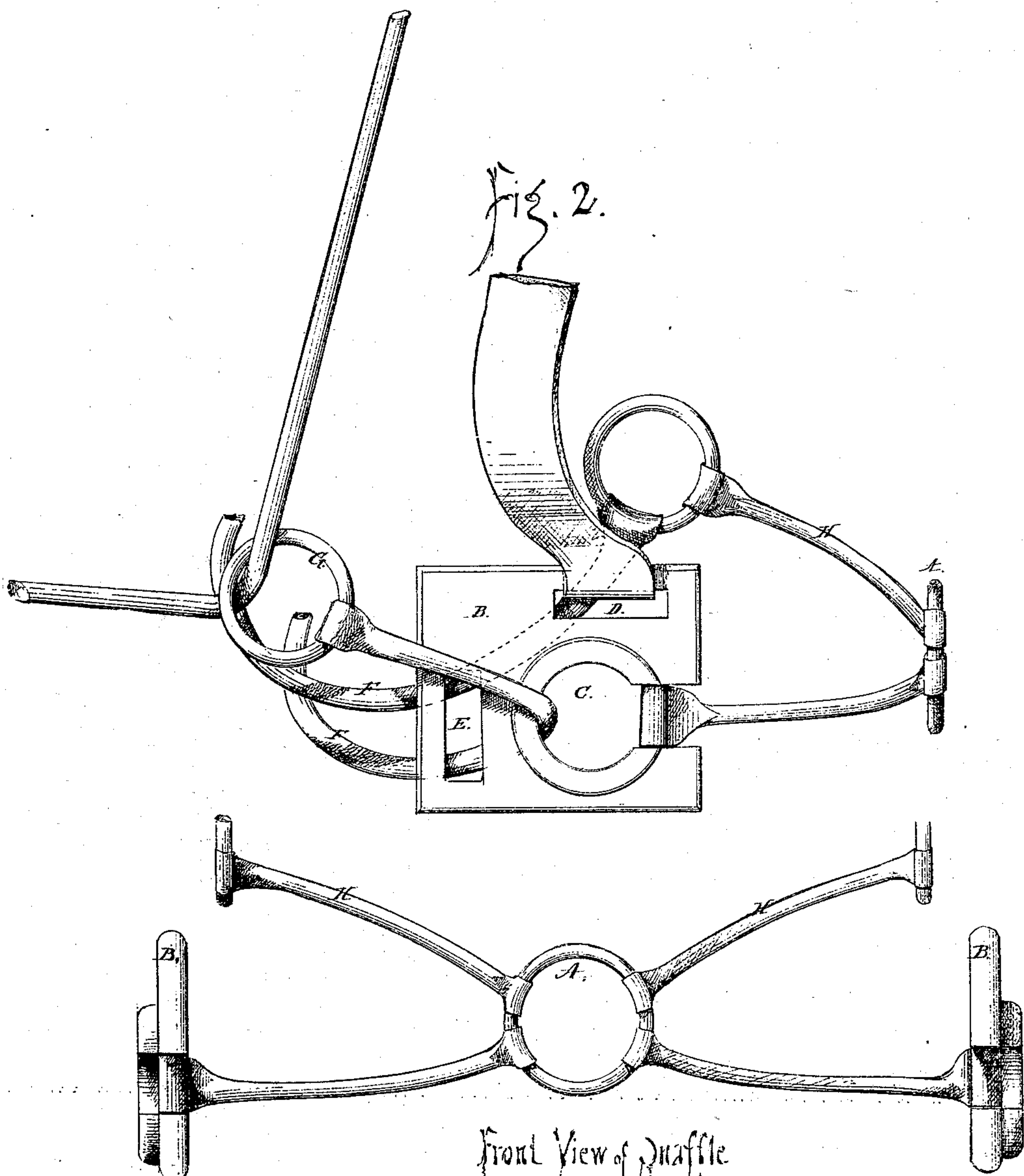
*M. H. Buchanan,*

*2. Sheets. Sheet 2.*

*Bridle.*

*No. 99834.*

*Patented Feb. 15. 1870.*



Witnesses;

*Alex. Findlay*

*For and H. S. Findlay*

Inventor;

*M. H. Buchanan,*



# United States Patent Office.

MATHEW HAY BUCHANAN, OF WASHINGTON COUNTY, VIRGINIA.

Letters Patent No. 99,834, dated February 15, 1870.

## IMPROVED BRIDLE.

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, MATHEW HAY BUCHANAN, of the county of Washington, in the State of Virginia, have invented a new and improved Bridle-Bit, Curb, and Draw-Rein Combined, the use of which will more effectually and easily restrain and control wild and restive horses; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure-1 is a drawing of the bridle complete, as it appears on the horse's head, and

Figure 2, a full sized drawing of the bit and curb.

In fig. 2 it will be seen that an ordinary snaffle-bit is joined in the middle by the ring A, and the outer ends of the snaffle are fastened loosely to one side of the jaws B.

The jaws B are square plates of brass, with holes C near their centers, the edges of which holes are raised another thickness of the plates.

In the slit D the head-stall fastens, and in the slit E the strap to which the halter or lead-strap is attached.

In the ring A another snaffle, H, also fastens with ordinary rings at either end.

Into these rings at the ends of this snaffle the corded leather pieces F are sewed.

The other ends of these leathers are passed through the holes C in the jaws B, and are sewed into other rings, G.

Now by reference to fig. 1 it will be seen that the draw-reins, having been sewed to the head-stall as low down as the brow-band, where they should become corded leather, pass through the rings G on to the hand of the rider, and that by drawing these reins the leather pieces F, circling the lower jaw, act as a powerful curb, the pressure being so great around the lower jaw of the horse as to give him great pain, but being applied with soft material (leather) on the outside, and a snaffle in the mouth, all danger of breaking or otherwise injuring his jaw is obviated. At the same time and with the same motion another powerful restraint is added, for the draw-reins in passing through the rings G of the curb, draw the bit tightly into the corners of the horse's mouth. Thus two distinct and powerful restraints are brought to bear on the mouth and jaw of the horse, with but little strength of the rider.

This bit and curb, though powerful at the will of the rider, is easy and light when at rest.

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

A new and improved bridle-bit, curb, and draw-rein, combined as above stated, and in such a manner as with little strength of the rider to easily and effectually restrain wild and restive horses.

M. H. BUCHANAN.

Witnesses:

FRANK S. FINDLAY,  
ALEX. FINDLAY.