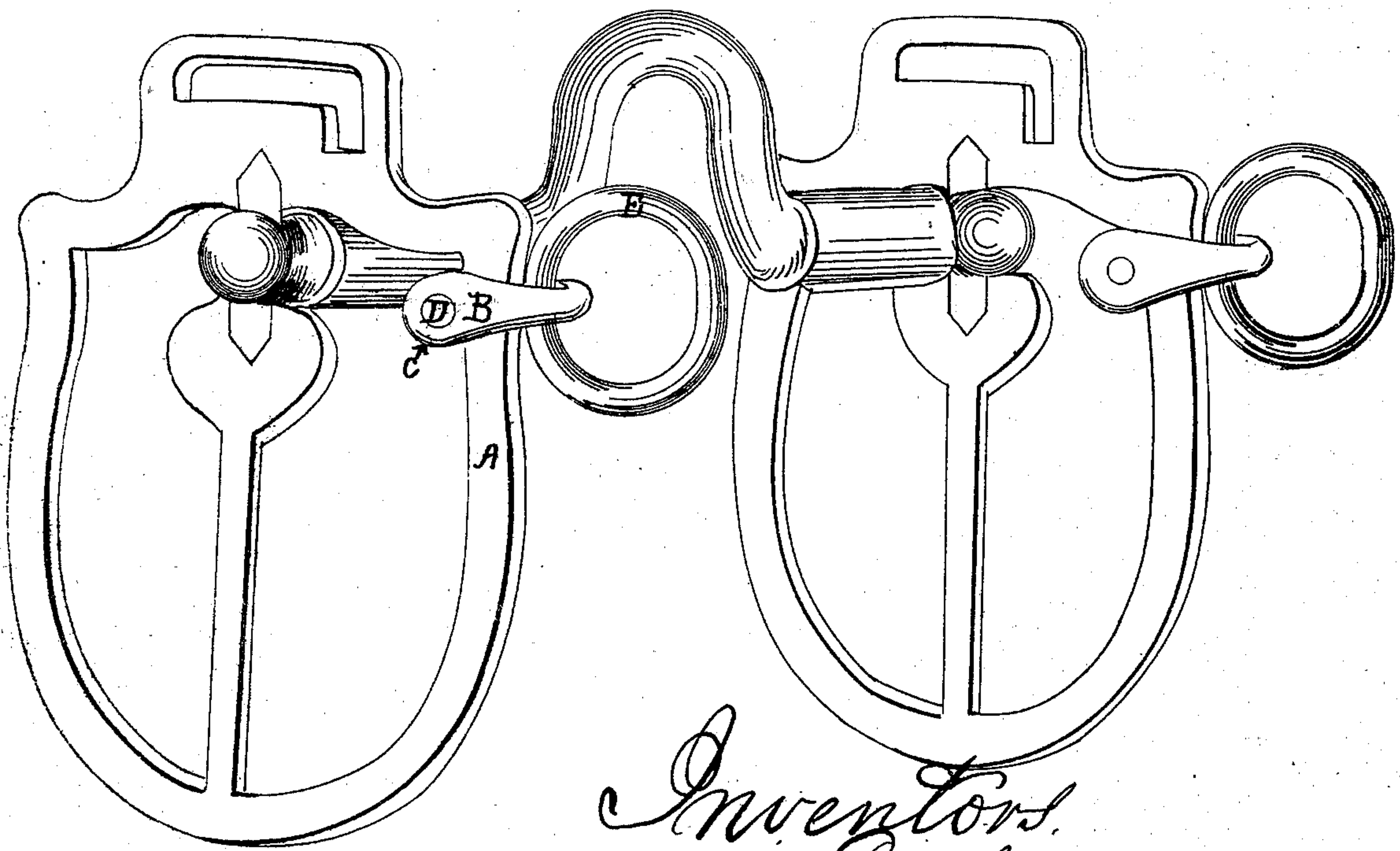


*Spoonhour & Boyd*  
*Bridle-Bit.*

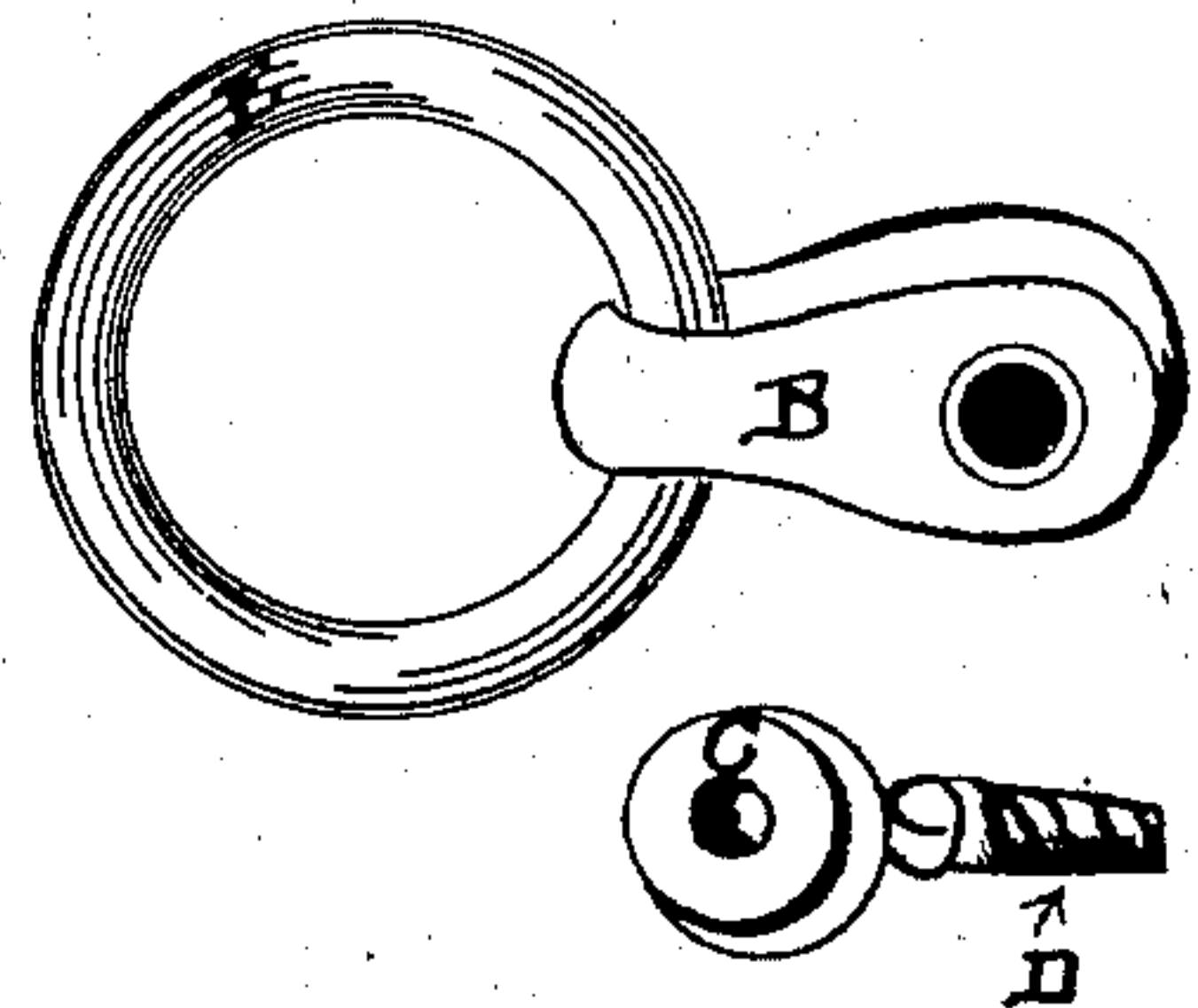
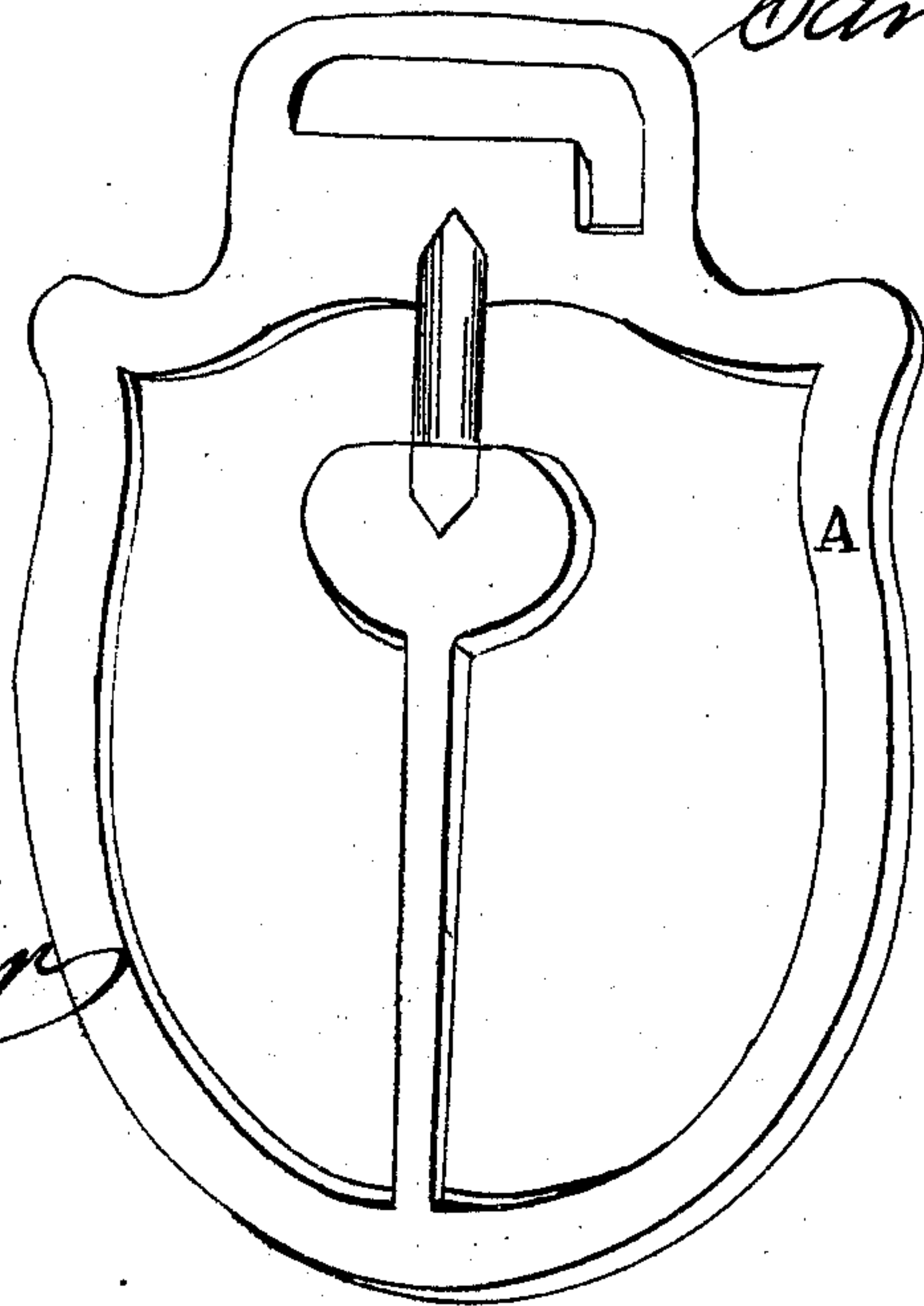
*Nº 71806*

*Patented Dec. 3, 1867.*



*Inventors.*

*Jacob Spoonhour*  
*Samuel R. Boyd*



*Witnessed*  
*J. H. Hamsher*  
*H. Keyser*

# United States Patent Office.

JACOB SPOONHOUR, OF GREEN TOWNSHIP, AND SAMUEL R. BOYD, OF  
CHAMBERSBURG, PENNSYLVANIA.

*Letters Patent No. 71,806, dated December 3, 1867.*

## 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 we, JACOB SPOONHOUR, of Green township, Franklin county, Pennsylvania, and SAMUEL R. BOYD, of the borough of Chambersburg, in said county of Franklin, have invented a new and useful Improvement to Bridle-Bits; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

We disclaim, as our invention, every part of the bridle-bit, (a drawing of which accompanies this application,) and make no claim that any part of the same is new, except as hereinafter specified.

The nature of our invention or improvement is this: We take any of the known forms of bridle-bits now in use, and we attach to such bit, by clip, rivet, or otherwise, an elliptical-shaped side piece, marked A, (see drawing accompanying the application.) This side piece may be so arranged as to be stationary, and immovably fixed to the bit, or it may be so arranged as to swing on the bit. To this side piece a clasp or bearing, marked B, (see accompanying drawing,) is attached, furnished with a roller, marked C, (reference being had to the drawing.) The roller is fastened and held in its place, inside of the clasp or bearing, by a screw, marked D, (see accompanying drawing,) or it can be fastened and held by a rivet or otherwise. Any of the known forms of driving-rings, designated on the accompanying drawing by the letter E, may be attached to the clasp or bearing, and to this ring the driving-line or rein, in any of the now known forms, is fastened.

To enable others skilled in the manufacture of bridle-bits to make and use our improvement thereto, we will proceed to describe its operation.

It consists in this: When the horse presses upon the bit, the bearing or clasp revolves on its roller, along the elliptical-shaped side piece, and shifting downwards from the centre of the bit, causes the bit to turn in the horse's mouth, forcing it open, according to the amount of pressure exerted on the bit.

What we claim as our invention, and desire to secure by Letters Patent, is—

The elliptical-shaped side piece, marked A, the clasp or bearing, marked B, the roller, marked C, and the screw or rivet, marked D, as represented on the accompanying drawing, and hereinbefore explained and set forth.

JACOB SPOONHOUR,  
SAMUEL R. BOYD.

Witnesses:

W. S. DAVISON,  
H. B. DAVISON.