

(No Model.)

W. McNARY.

Clamp for Moldboards.

No. 233,868.

Patented Nov. 2, 1880.

Fig. 1.

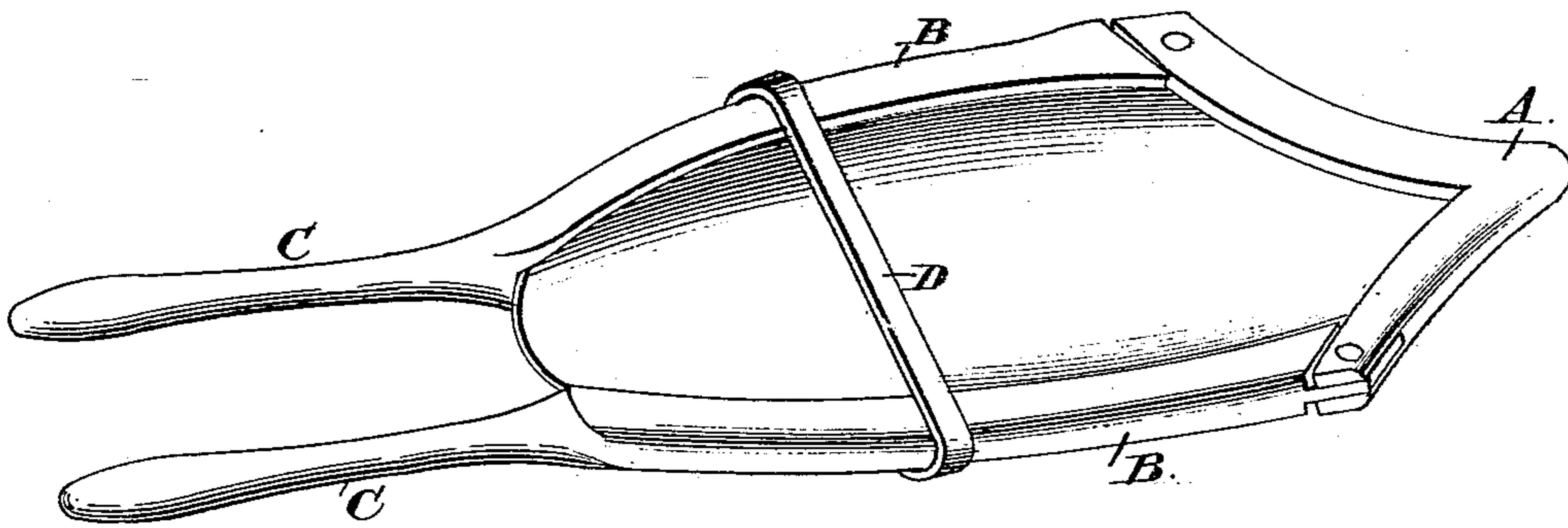


Fig. 2.

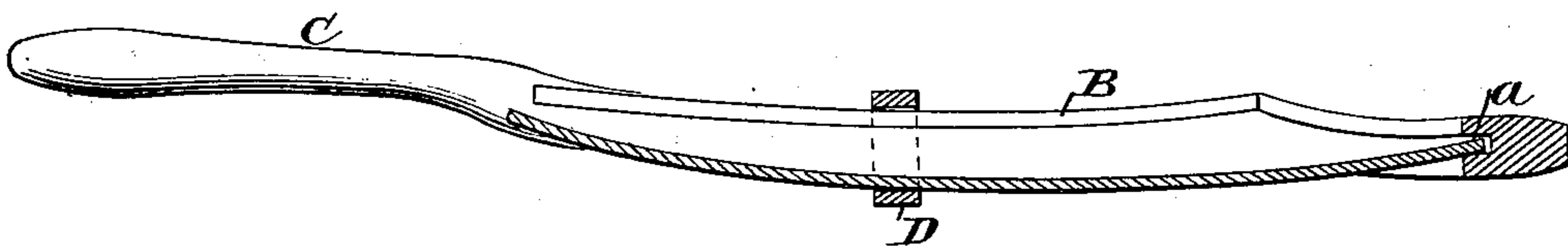


Fig. 3.

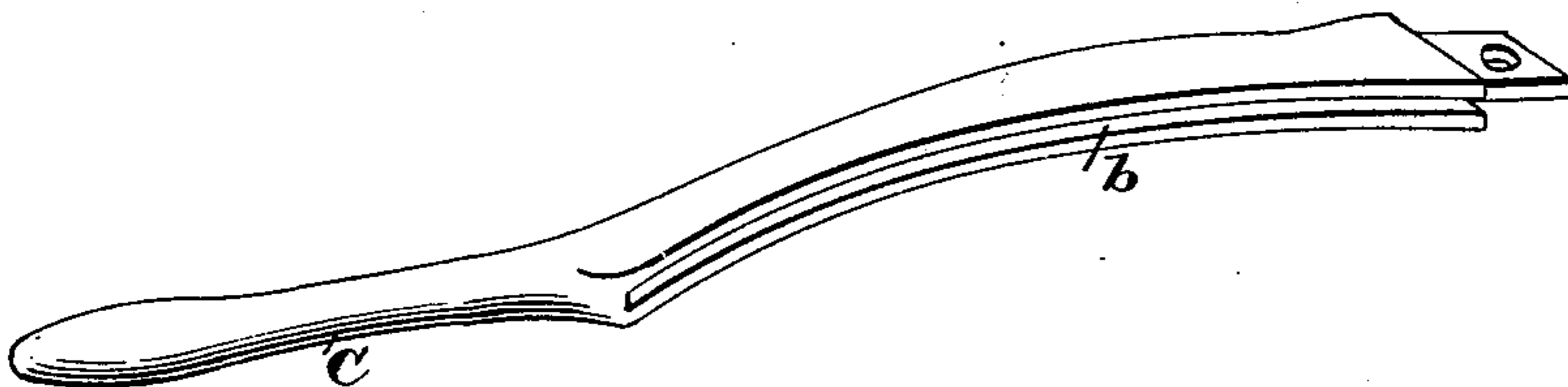
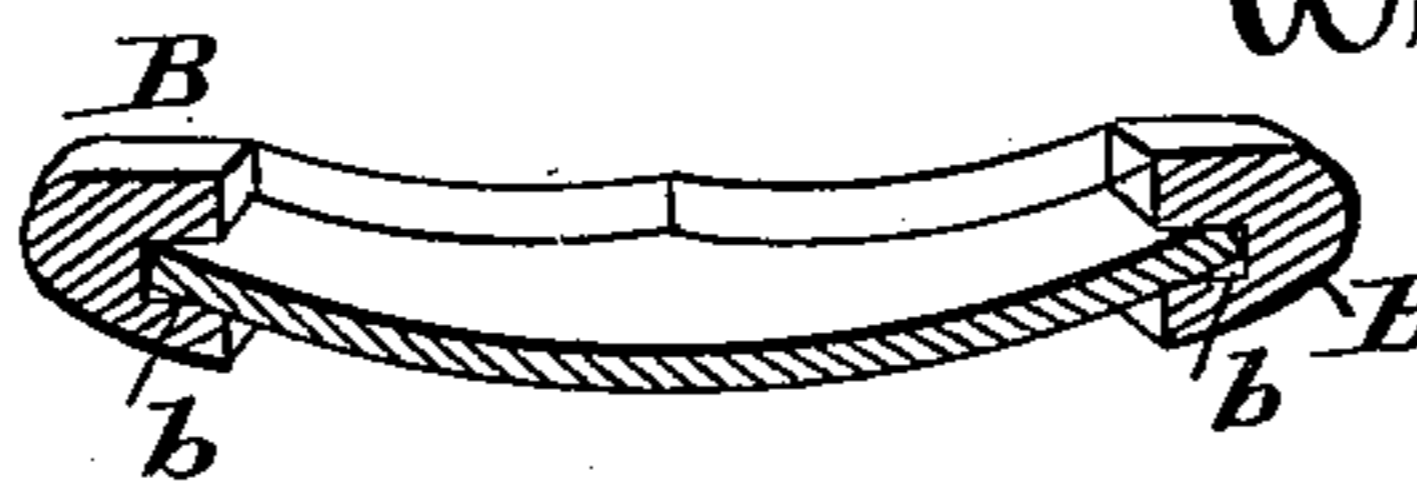


Fig. 4.



Witnesses:
A. Ruppert,
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William McNary,
Inventor.

per Edson Bros.
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UNITED STATES PATENT OFFICE.

WILLIAM McNARY, OF BRYAN, OHIO.

CLAMP FOR MOLD-BOARDS.

SPECIFICATION forming part of Letters Patent No. 233,868, dated November 2, 1880.

Application filed September 15, 1880. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM McNARY, of Bryan, in the county of Williams and State of Ohio, have invented certain new and useful
5 Improvements in Devices for Clamping Mold-Boards and Landsides for Plows; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as
10 it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

Figure 1 is a perspective view of my invention as applied for use, or holding a mold-board. Fig. 2 is a longitudinal section thereof. Fig. 3 is a detailed perspective view of the same, and Fig. 4 is a cross-section thereof.

This invention relates to improvements in
20 clamps for holding mold-boards or landsides of plows or other plates of steel, its object being to permit of the convenient manipulation of the plate of steel, mold-board, or landside while being tempered; and it consists of a V-shaped
25 grooved head, with curved grooved arms, having handles, substantially as hereinafter more fully set forth.

In the accompanying drawings, A indicates a V-shaped head, slightly concaved on each
30 side of its apex toward the ends of its divergent portions. This is to adapt it to conform to the shape of the forward end of a mold-board or landside of a plow, while it is apparent it is capable of receiving the end of any
35 other shaped piece or plate of steel or metal to that extent to hold it temporarily.

The head A is provided with a groove, *a*, extending along its inner surface to receive
40 the end of the plate, mold-board, or landside.

B B are two arms, articulated to the extremities of the head A, also concaved longitudinally to conform to the curvature of the longitudinal edges or surfaces of the mold-board

or landside, and having grooves *b b* on their inner surfaces to receive and hold the same or
45 other plate of steel or metal. To these arms are provided handles C C for conveniently operating the clamp. This clamp, it is obvious, will receive and permit of the holding of a mold-board or landside of a plow, or by a simple
50 change of form hold a plain or right-angled or rectangular plate of metal or steel, which is especially convenient in dipping the mold-board, landside, or plate, for tempering the same in any of the usual or approved
55 forms of tempering baths or solution.

A collar, D, is slipped upon the arms B to clamp or confine the inclosed plate, mold-board, or landside between the arms and in the head,
60 which can be readily slipped on and off said arms as occasion may require.

It will be further noticed that, with the edges of the mold-board, landside, or plate inserted into the grooved arms and head, and with the collar slipped firmly upon the same, the metal
65 will be prevented from warping when plunged into the tempering-bath.

Having thus fully described my invention, I claim and desire to secure by Letters Patent—

1. In a clamp, the combination, with the
70 head A, of the articulated arms B, having handles C, with grooves extending along the inner surfaces of said head and arms, substantially as and for the purpose set forth.

2. In a clamp, the combination, with the
75 head A, of the articulated arms B, having handles C, both the head and arms having grooves, and the collar D, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I
80 have hereunto set my hand this 9th day of August, 1880.

WILLIAM McNARY.

Witnesses:

JACOB TEEMS,
PHILIP YUNCK.

(No Model.)

H. B. MORRIS.
Manufacture of Buttons or Studs.

No. 233,869.

Patented Nov. 2, 1880.

Fig. 1.

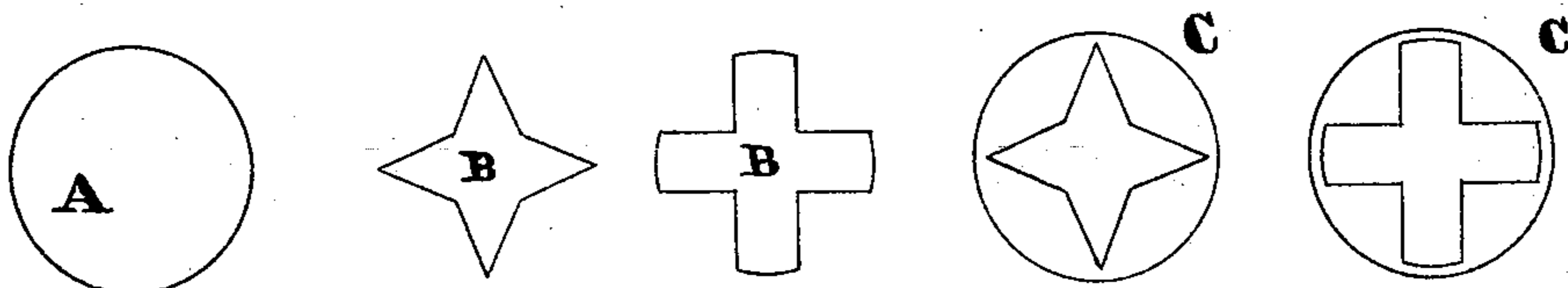


Fig. 2.



Witnesses

S. B. Peck

Frank M. Leary

Inventor

Henry B. Morris.