

*J. M. Allison,  
Broom Head.*

*No. 93033.*

*Patented July 27, 1869*

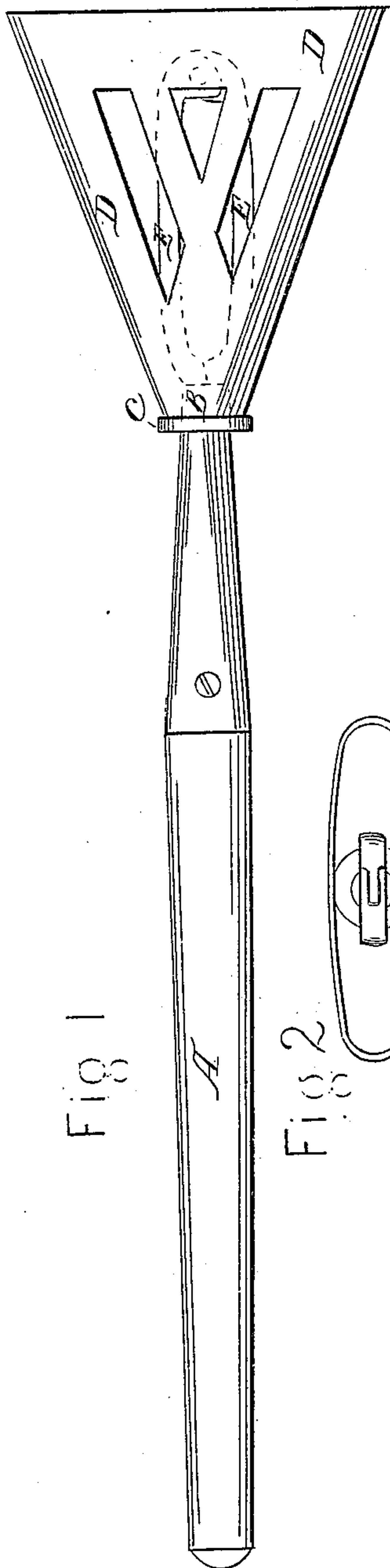


Fig 1

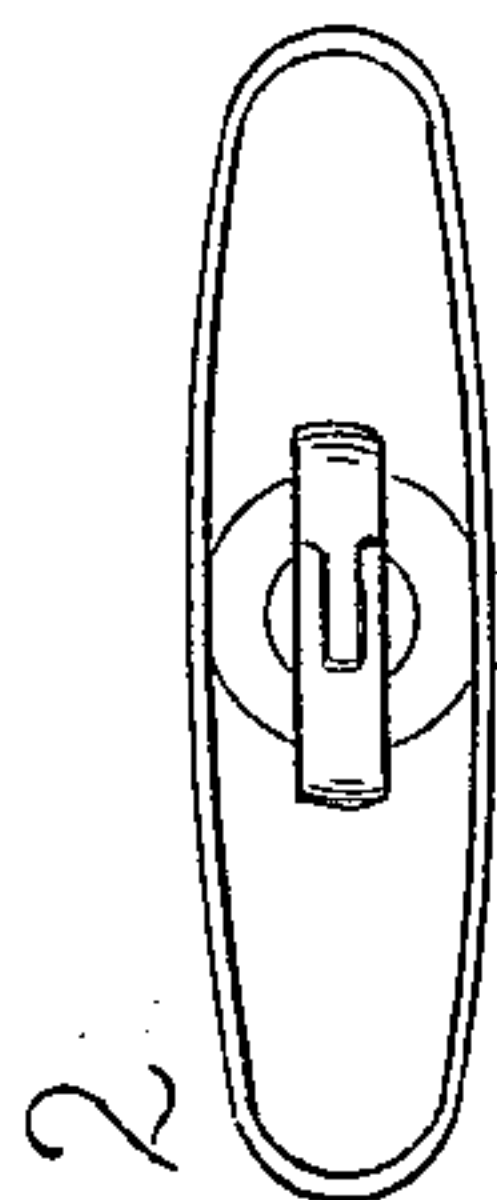


Fig 2

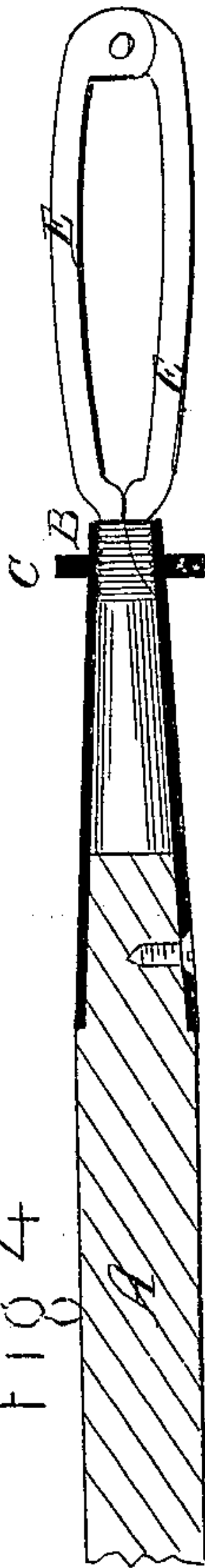


Fig 4

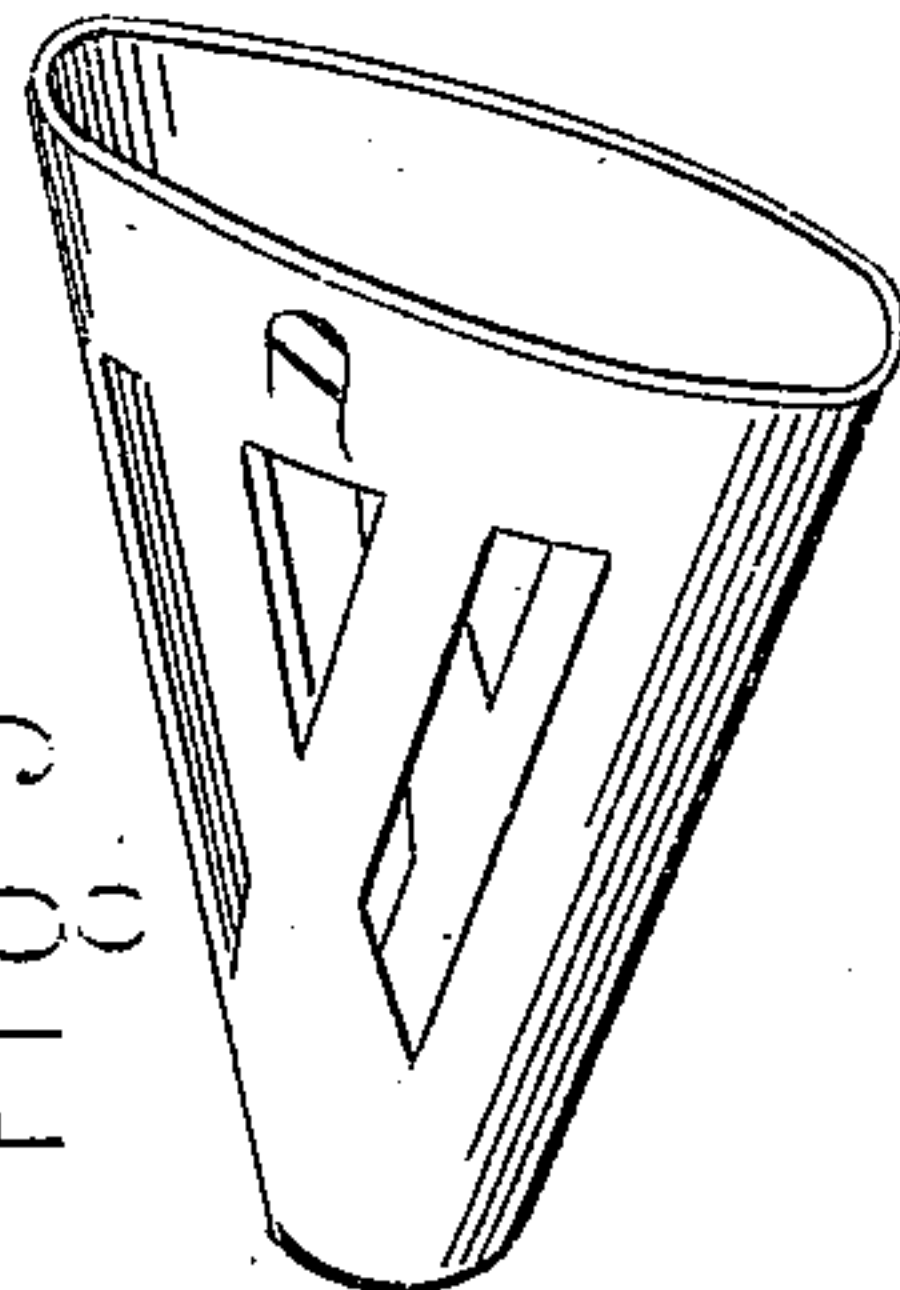


Fig 5

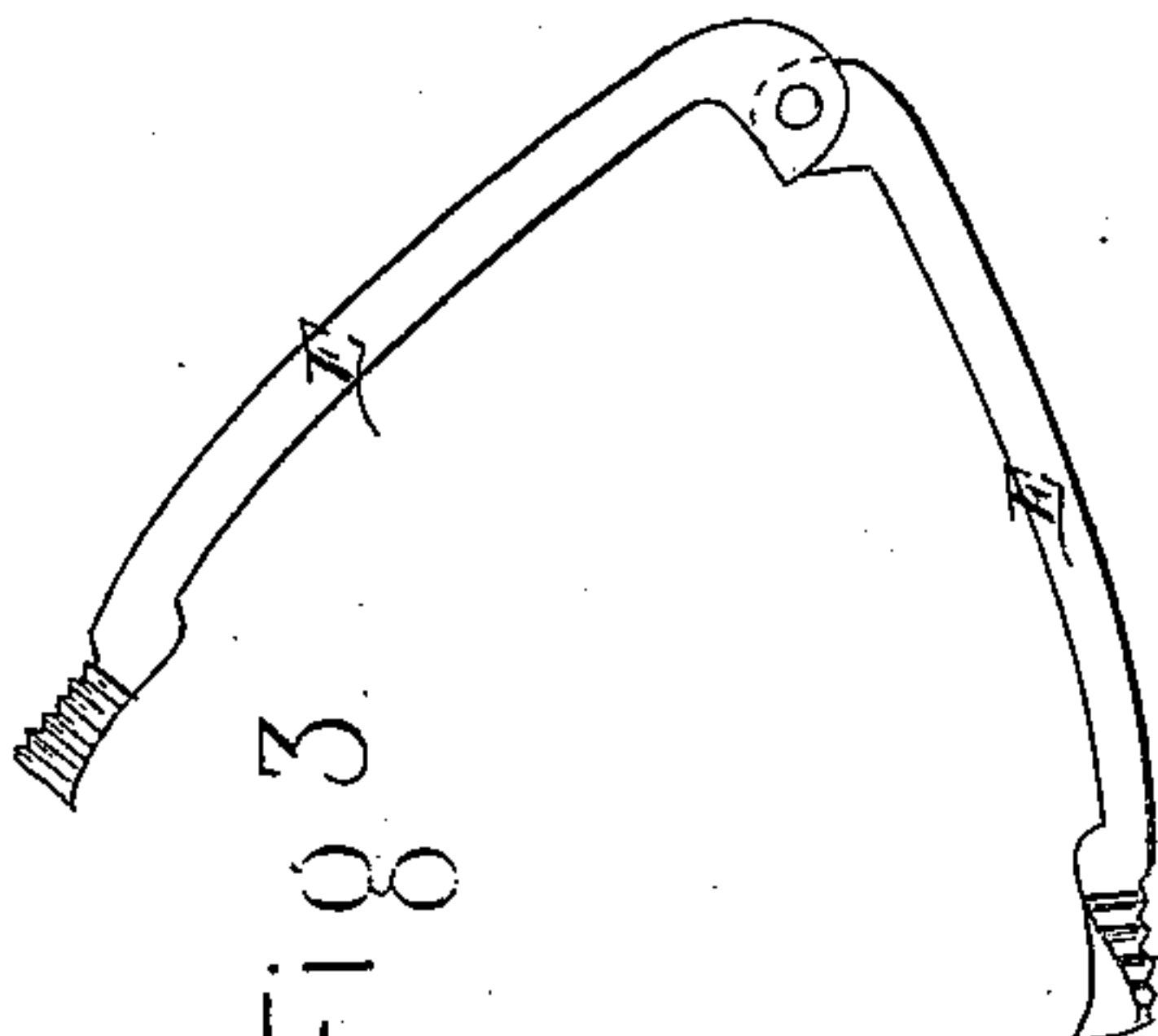


Fig 3

Witnesses  
*E. W. Anderson*  
*James P. Greaves*

Inventor  
*J. M. Allison.*

# United States Patent Office.

JOHN M. ALLISON, OF SALINA, PENNSYLVANIA.

*Letters Patent No. 93,033, dated July 27, 1869.*

## IMPROVEMENT IN BROOM-HEAD.

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, JOHN M. ALLISON, of Salina, in the county of Venango, and State of Pennsylvania, have invented a new and valuable Improvement in Broom-Irons; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a plan view of my invention.

Figures 2, 3, 4, and 5, are details.

My invention relates to the manufacture of brooms; and

It consists mainly in a novel arrangement of devices intended to serve as efficient means for holding the broom-corn heads firmly and in the proper shape for brooms, without the use of twine.

The letter A of the drawings represents a broom-handle, to which is attached the shank B, with a thread cut on its inner side, in the manner shown.

The letter c represents a ring that encircles the lower end of shank B to give it additional strength.

The letter D represents a former, constructed in the shape shown, and adapted to sit over the lower end of shank B when the broom is attached thereto.

The letter E represents a hinged clamp, with a thread cut on the end of each section, as shown, adapted to the thread on the inner side of shank B.

To construct a broom, I first take the heads of the corn and place the butts thereof in the clamp E, in such manner that one-half of the brush shall extend outward to the right hand, and the other half to the left. I then close the clamp and pass it endwise into the former, and screw it firmly into the thread on the inner side of clamp B.

By the above-named process the corn-heads are made to assume the shape of the former, and the broom is completed.

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

The broom-forming apparatus herein described, having shank B, former D, and clamp E, constructed and arranged to operate substantially as specified.

In testimony that I claim the above, I have hereunto subscribed my name, in the presence of two witnesses.

J. M. ALLISON.

Witnesses:

WM. M. BARR,  
J. W. SMULLIN.