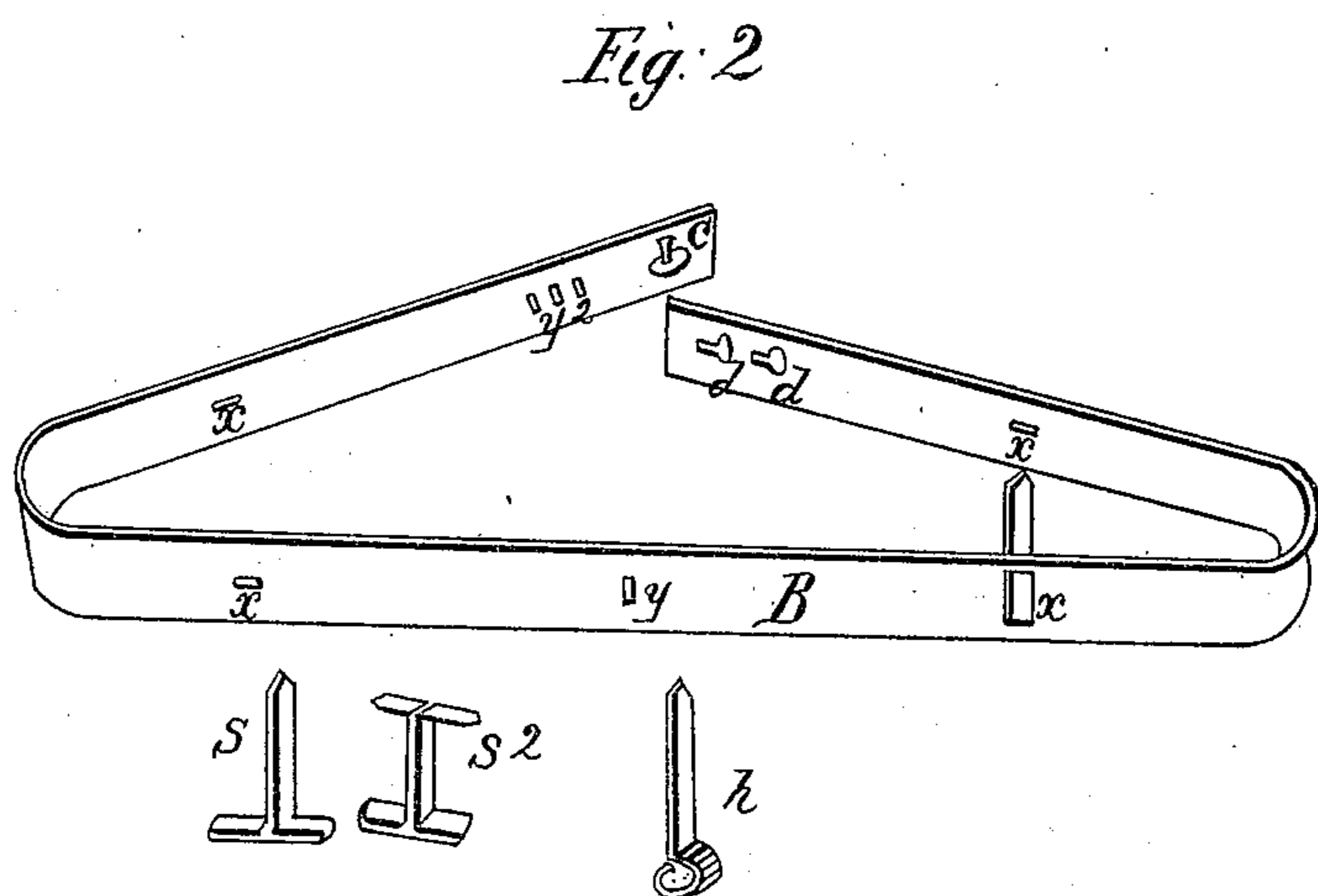
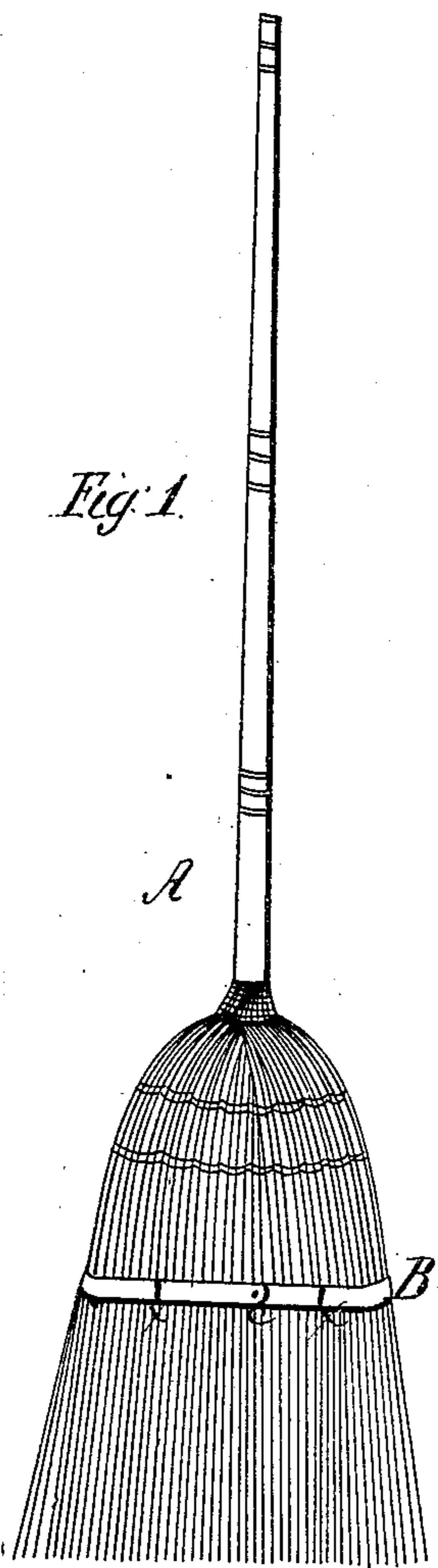


J. H. Parsons.

Broom.

Nº 102,310.

Patented Apr. 26, 1870.



Witnesses;
G. Krapp.
J. Benjamin

Inventor;
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United States Patent Office.

JOHN H. PARSONS, OF JONESVILLE, MICHIGAN.

Letters Patent No. 102,310, dated April 26, 1870.

IMPROVED BROOM.

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 H. PARSONS, of Jonesville, in the county of Hillsdale, in the State of Michigan, have invented a new and useful Improvement in Brooms; and I 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 making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a sectional view.

The nature of my invention consists in providing a broom with a metallic band around the brush in such a manner as to strengthen, protect, and keep the brush in its proper place.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct my broom in any of the known forms. The brush may be made of broom-corn or other material.

In using a new broom, especially if the brush is long, it often wears off first on one corner, the brush becomes crooked, and the broom is rendered nearly worthless before half worn out. To obviate this, I provide a metallic band around the brush, shown at B on the broom A, fig. 1, so constructed as to be applied to any ordinary broom.

The ends of the band are clasped together, and the band held firmly in its place by ties or rivets through both the band and the broom, as hereinafter more fully described.

I make the band B of hoop-iron, brass, or any other suitable material, bent so as to conform to the shape of the broom, as shown at B, figs. 1 and 2.

The ends of the band are made to clasp or button together, one end being provided with a clasp or button, C, on the inside, riveted to the band, leaving a sufficient shoulder between the button and band to fit closely in the slot for the eye-hole *d* in the other end of the band.

The button or clasp C, I make either round, oblong, or square, and the eye and slot in the other end to correspond to the size of said button. I make two or more eyes, *d d*, that the band may be adjusted to different-size brooms.

In order to keep the band in its proper place when on the broom, I provide two or more metallic ties through the band and broom, to hold the sides of the band firmly against the broom, shown in fig. 1.

I make small slots in the band, *x, x, x, y*, and *y*², for the ties to pass through. The slots are made either lengthwise or crosswise of the band, as shown at *x* and *y*.

The metallic tie is made of sheet metal, and formed as shown at S, with a head on one end and the two points to form the other when bent over, as shown at S². This tip is known as the McGill Paper-Fastener.

I also use for the same purpose a metallic tie made as shown at *h*—a single strip of suitable sheet metal—one end being doubled over to form a head, and the other end made pointed, which is doubled over similar to the upper end of the tie S².

For heavy brooms, to make the end of the tie bent over more secure, I make a small puncture similar to, and on each side of, the slot *x* or *y*, to tuck the end or ends of the tie in, after being bent over, shown at *y*².

The operation of applying the band is as follows :

I put the band around the broom, clasp the ends together by the button in one of the eyes *d*, according to the size of the broom; then put a tie through one of the slots and brush, press the band together, and bend over the points of the tie, as shown. This keeps the band firmly against the brush, and not only serves to keep the band in its place, but makes the brush more even and uniform. As the brush begins to wear off in using the broom, the band may be moved up.

With the use of this band a broom may be made to wear at least one-third longer than without such band.

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

The application to the brush of a broom an adjustable band, B, made of iron or other suitable metal, provided with a clasp, C, and two or more eyes, *d d*; also, the slots *x, y*, and *y*², substantially as herein described, together with the use and arrangement of two or more metallic ties, S and *h*, or their equivalents, for the purpose set forth.

JOHN H. PARSONS.

Witnesses:

G. KRAPP,
J. BENJAMIN.