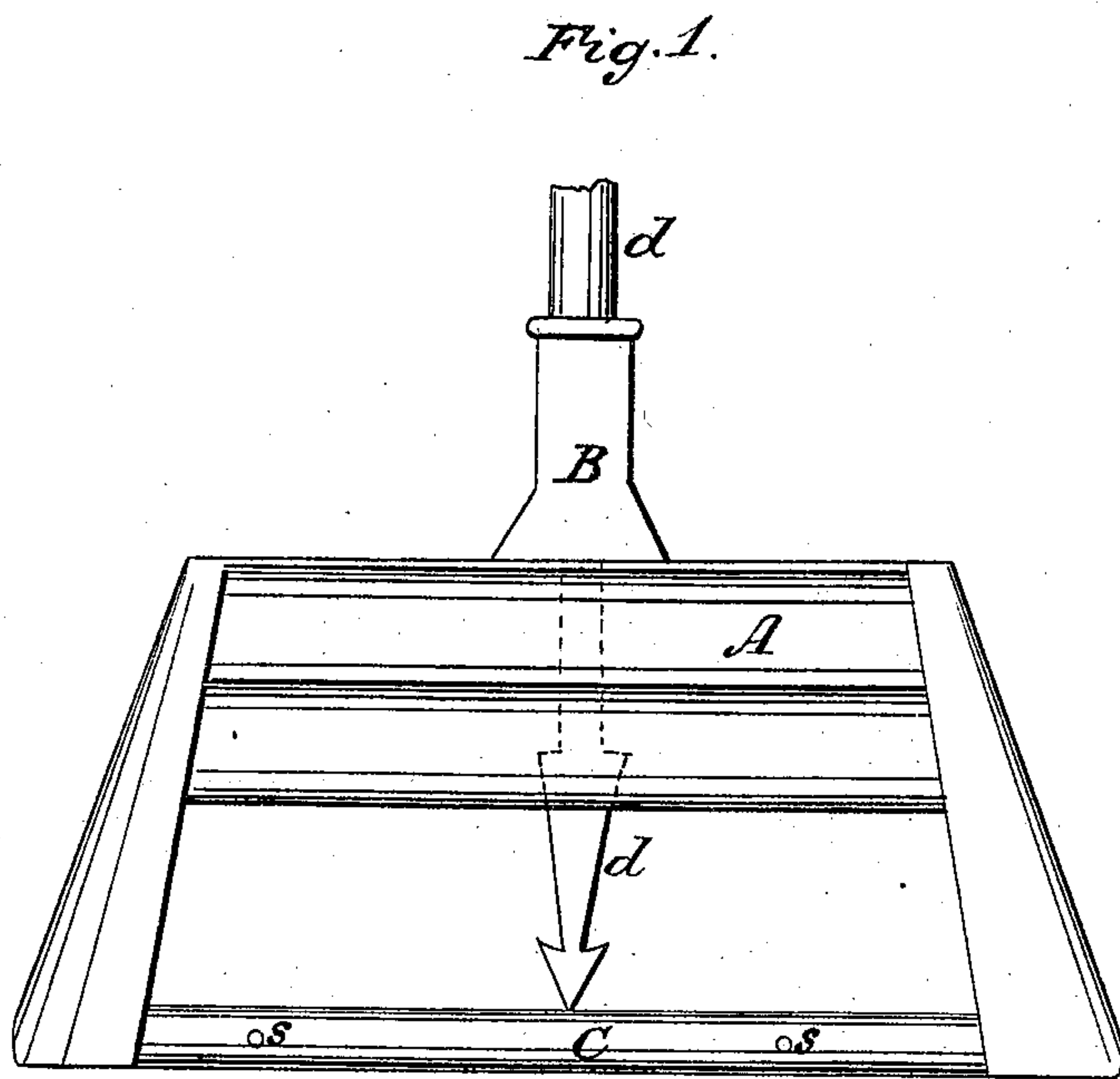
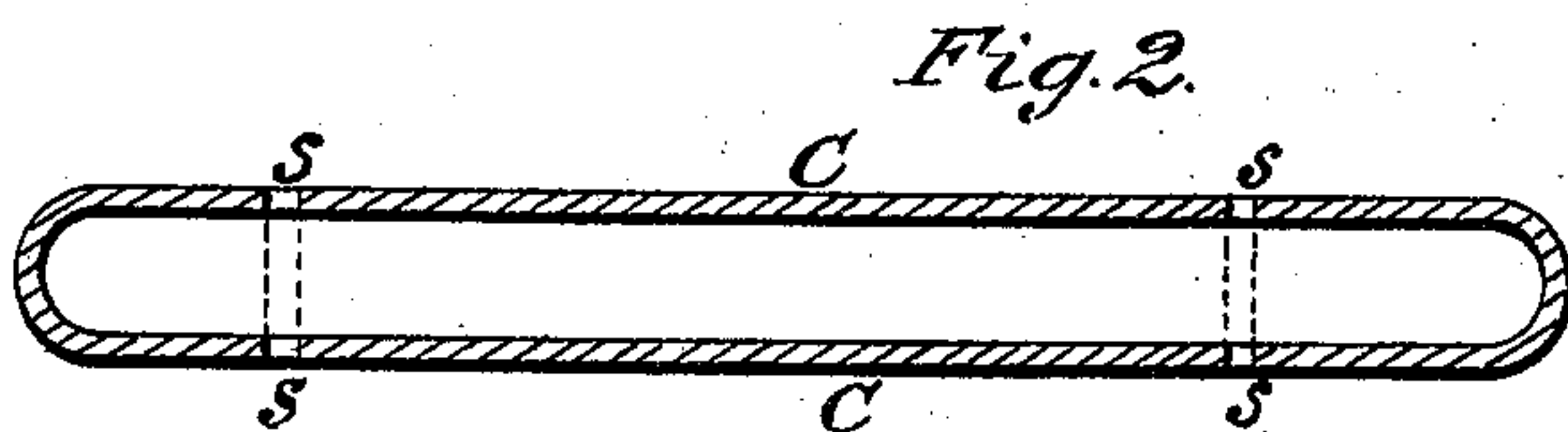


N. B. Cooper.

Broom Head.

Nº 62,823.

Patented Feb. 27, 1866.



Witnesses.

W. M. Alexander.
John P. Jacobs.

Inventor.

N. B. Cooper
pr.
J. W. Alexander
Atty.

UNITED STATES PATENT OFFICE.

N. B. COOPER, OF GRATIS, OHIO.

BROOM-HEAD.

Specification forming part of Letters Patent No. 52,823, dated February 27, 1866.

To all whom it may concern:

Be it known that I, N. B. COOPER, of Gratis, Preble county, Ohio, have invented certain new and useful Improvements in Broom-Heads; and I hereby declare that the following is a true and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 in the annexed drawings represents a plan view of the broom-head. Fig. 2 is a view of the opening intended to receive the broom-straw.

My broom-head is made of tin or other thin sheet metal. The letter A, Fig. 1, designates the upper portion of the head, having at its center the socket B, for the insertion of the handle *d*.

C represents two narrow strips of metal soldered firmly to the sides of the broom-head at their lower end. (See Fig. 2.) The open space between A and C will admit of the swelling of the broom-straw when compressed both above and below this open space, and this enlargement of the material will tend to keep it in its proper place. The broom will be further secured in position by the barbed extension of the

broom-handle *d*, and also by the rivets *s*, which will increase the compression by forcing together the strips C. When the broom-straw is securely fastened to the barbed end of *d* the handle *d* is then thrust through the socket B from below and the rivets added to compress the straw, in the manner above described.

It will be observed that the barbed end of *d* and the riveted strips will give the broom a compactness and solidity that will keep it in form until worn out by constant use.

The advantage of my mode of construction is that any one, by providing himself with broom-heads, as here described, will be able to manufacture his own brooms.

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

The barbed end of handle *d*, in combination with the broom-head A, furnished with strips C, the whole constructed and operating as and for the purpose substantially as herein set forth.

N. B. COOPER.

Witnesses:

A. STIVERS,
N. H. COOPER.