

(No Model.)

G. S. BRIGGS.
FRAME FOR DOOR OR WINDOW SCREENS.

No. 462,197.

Patented Oct. 27, 1891.

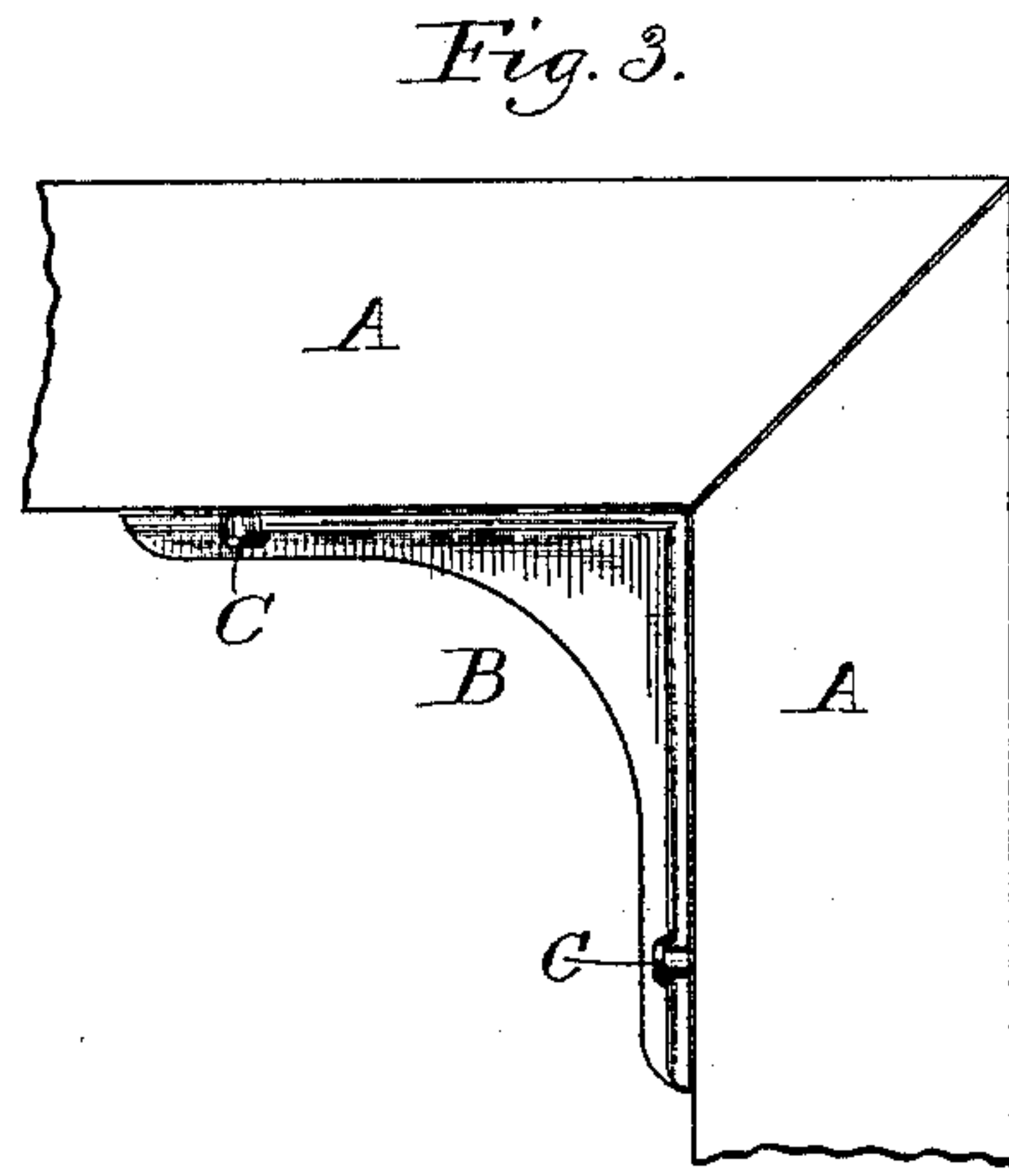
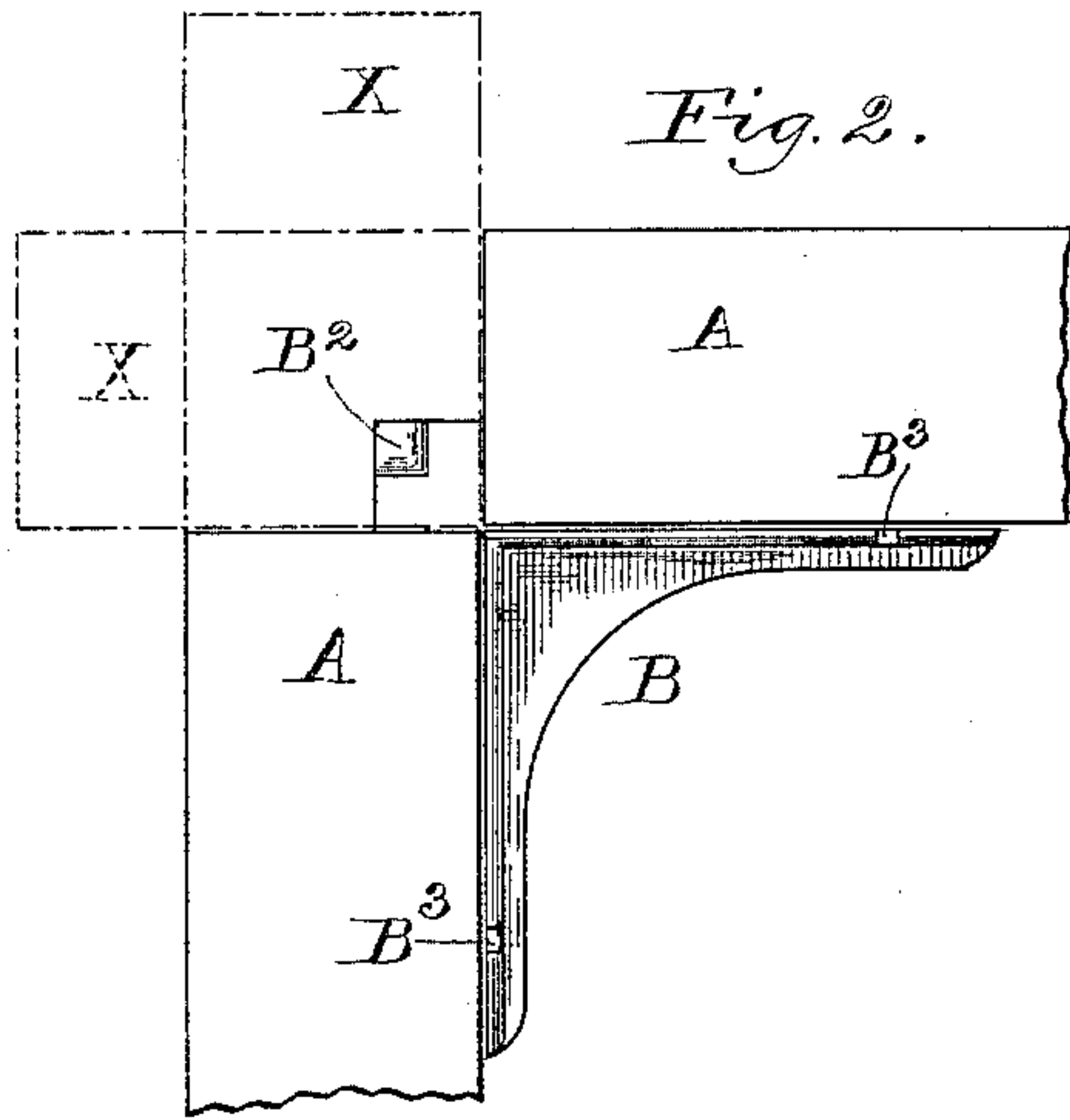
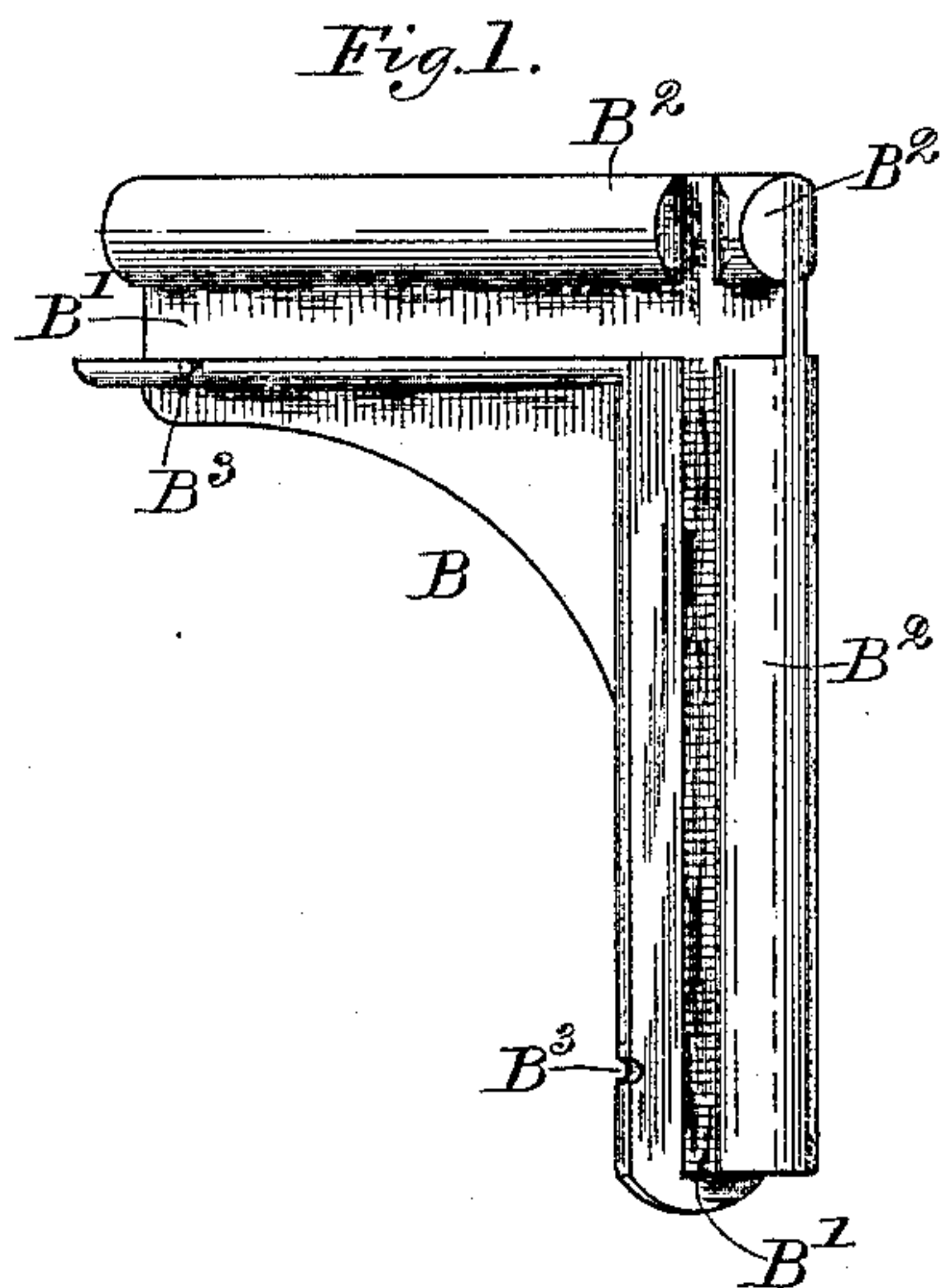
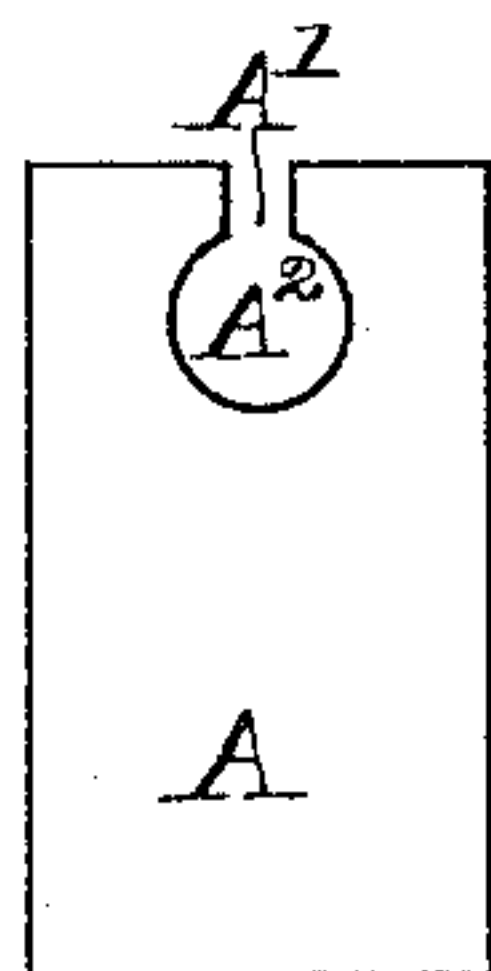


Fig. 4.



Witnesses:
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per

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UNITED STATES PATENT OFFICE.

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FRAME FOR DOOR OR WINDOW SCREENS.

SPECIFICATION forming part of Letters Patent No. 462,197, dated October 27, 1891.

Application filed November 17, 1890. Serial No. 371,756. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. BRIGGS, a citizen of the United States, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Frames for Door or Window Screens, of which the following is a specification.

My invention relates to the production of door and window screen frames from material formed especially therefor and means for securing the same together; and it consists of certain new and useful features of construction and combinations of parts, hereinafter described and pointed out in the claim.

Referring to the accompanying drawings, which form a part of this specification, Figure 1 is an isometric view of a fastening-bracket. Fig. 2 is a front view of the top piece and a side piece, both fragmental, of a screen-frame, indicating in dotted line my method of adjusting the dimensions thereof. Fig. 3 shows the same parts mitered and secured together by means of the fastening-bracket. Fig. 4 is an end view of material fashioned for composing the top, bottom, and side pieces of the screen-frame.

Like letters of reference indicate corresponding parts throughout the several views. A are strips of wood or other suitable material having longitudinal grooves A' therein of increased width at their inner portions A², for a purpose to be stated hereinafter.

B are rectangular brackets adapted to fit into and brace the inner angles of the frame, as shown, and provided with outwardly-extending tongues B' of increased width at their outer portions B² to adapt them to fit into the grooves A', widened at A², in the frame to secure the parts composing the same together.

The most satisfactory way to prepare the strips A for use is to form a longitudinal groove A', widened at its inner portion A², throughout the entire length of the inner edge of each thereof. The tongue portion B' B² of the bracket B should be of proper form and

dimensions to slide snugly through the whole length of any groove A', widened at A², in any strip A.

To construct the frame most advantageously slide the tongues B' of the bracket B into the grooves A' in the ends of the two strips A, as shown in Fig. 2. The frame may then be adjusted to any desired length or width by sliding the pieces A, as indicated by dotted lines X, and then cutting them squarely off on the ends, or by mitering them together, as in Fig. 3, and then driving nails C through the slots B³ in the bracket B into the parts A. The slots B³ can be cast in the edges of the brackets, and are therefore preferred to more expensive means of fastening the brackets and frame together. It is, however, obviously immaterial what method of fastening the same together is employed, as there are numerous ways in which it might be successfully done.

The strips can be shipped to dealers in bundles occupying but small space, and strong serviceable frames can be expeditiously constructed from them and the bracket-fastenings by persons having a knowledge of the use of a saw and hammer.

I claim—

A screen-frame for doors, windows, and the like, comprising strips of material of suitable form for the top, bottom, and sides of the same, each having a longitudinal groove therein, consisting of a hollow bead A² and neck A', extending therefrom through the inner edge thereof, rectangular brackets having flanges adapted to fit into and brace the inner angles of the frame and provided with counterpart solid beads B², fitting into the hollow beads A², and necks B', extending therefrom through the neck A' and terminating in the inner face of the flanges of the brackets, substantially as and for the purpose specified.

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Witnesses:

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