

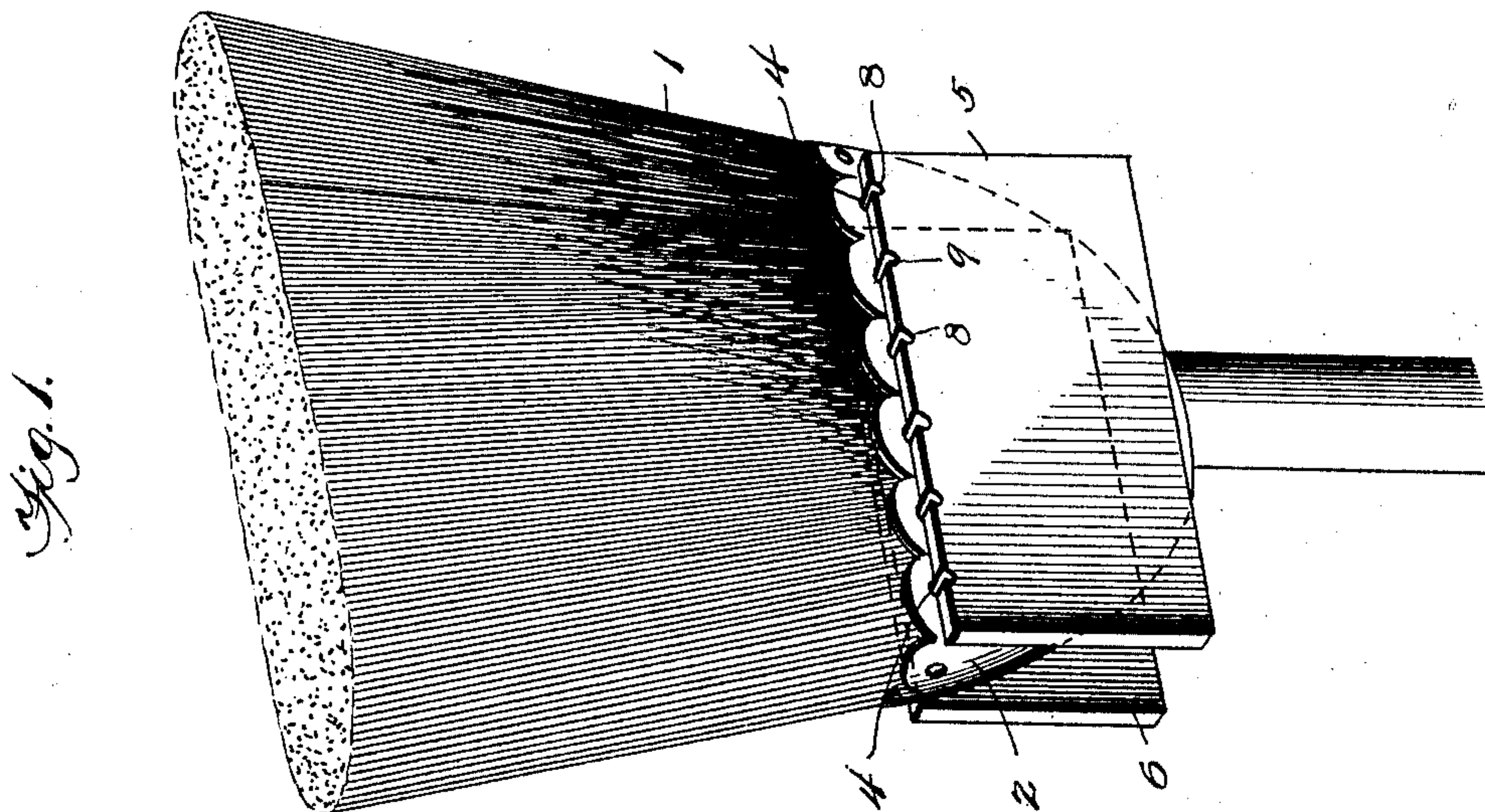
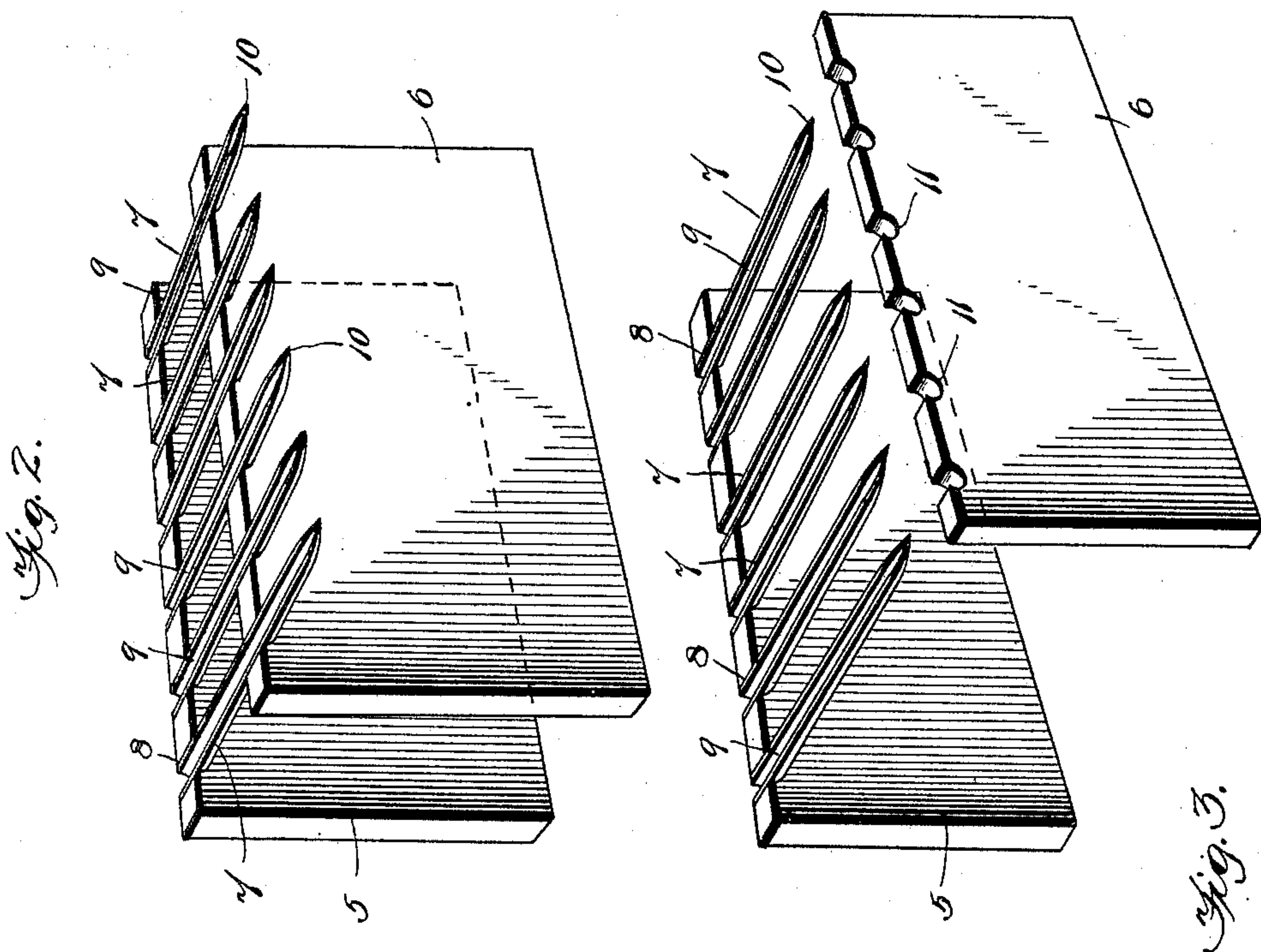
No. 697,320.

Patented Apr. 8, 1902.

T. H. BROWN.
BROOM SEWING DEVICE.

(Application filed Oct. 3, 1901.)

(No Model.)



Witnesses
J. L. Mochel
S. P. Mochel

Inventor
Theodore H. Brown,
by A. Deane & Son
Attorneys

UNITED STATES PATENT OFFICE.

THEODORE H. BROWN, OF VIROQUA, WISCONSIN, ASSIGNOR TO THE NEW
BROOM AND SUPPLY COMPANY, OF VIROQUA, WISCONSIN.

BROOM-SEWING DEVICE.

SPECIFICATION forming part of Letters Patent No. 697,320, dated April 8, 1902.

Application filed October 3, 1901. Serial No. 77,429. (No model.)

To all whom it may concern:

Be it known that I, THEODORE H. BROWN, a subject of the King of England, residing at Viroqua, in the county of Vernon and State of Wisconsin, have invented certain new and useful Improvements in Broom-Sewing Devices, of which the following is a specification.

This invention relates to the manufacture of brooms, and more especially to the means for binding the broom-corn or other material at the head of the broom.

To this end the invention contemplates a simple and practical broom-sewing device in the form of a temporary clamp which can be readily applied to the broom-head and comprising means for greatly facilitating the sewing of the broom-head with cord or wire.

The invention also comprises means whereby the manufacture of brooms may be greatly cheapened and expedited and involves a form of device which may be utilized with the broom, either with or without a metallic cap or head, and at the same time insuring the ready threading of the cord or wire back and forth through the broom-corn or material to carry out the sewing operation.

With these and many other objects in view, which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a broom-sewing device embodying the present invention and shown applied to a broom fitted with a metal broom head or cap. Fig. 2 is a similar view of the sewing device, illustrating the separate members thereof assembled and disconnected from the broom. Fig. 3 is a view of the device with the separate members thereof separated in a position to permit of a broom being placed therebetween and the members then closed upon the broom with the guiding - needles thereof piercing the broom material.

Like numerals of reference designate corresponding parts in the several figures of the drawings.

As already explained, the sewing device or attachment may be utilized in connection with

a broom irrespective of whether the same is or is not provided with a metal cap or head; but as the invention possesses special utility as an auxiliary in the manufacture of brooms made according to my former patent, No. 604,000, dated May 10, 1898, and also in connection with a broom fitted with a metal cap or head there is shown in the drawings a broom 1, fitted with a metallic cap, head, or hood 2, provided in the cheeks thereof with a plurality of stitching-holes 4, through which the cord or wire is threaded in the sewing operation for binding up the head portion of the broom.

Referring particularly to the sewing device, the same may be generally described as being in the form of a clamp essentially comprising the oppositely-arranged side clamp members 5 and 6, which are designed to respectively engage upon opposite sides of the broom-head. In carrying out the present invention one of the clamp members 5 is provided at one edge thereof with a plurality of guiding - needles 7. Any number of these guiding - needles may be employed, according to the width or character of the broom to be manufactured, and may be rigidly united at one end, as at 8, to the clamp member carrying the same in any suitable manner. However, an important feature of the invention resides in providing the needles 7 in the outer sides thereof with longitudinal guide-grooves 9, extending the full length of the needles, so that when the same are pierced through the broom-head guide - openings are provided, through which the cord or wire may be readily threaded. Said needles are also provided with pointed extremities 10 to facilitate their insertion through the broom-head.

The opposing clamp member 6—that is, the one opposite the clamp member carrying the needles—is provided at one edge thereof with a series of needle-holes 11, which are preferably open at one side to leave the guiding-grooves 9 freely exposed and which slidably interlock with the needles to provide for maintaining the same in a fixed and permanent relation during the sewing operation.

In the drawings the invention is shown in its simplest aspect, and it will therefore be obvious that any suitable means may be util-

ized in connection with the side clamp members 5 and 6 for holding the same upon opposite sides of the broom-head after the needles have been inserted therethrough and engaged
5 with the holes of the member 6. In working upon a broom having a cap 2 the needles are of course inserted through the stitching-holes 4.

Various changes in the form, proportion,
10 and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

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

1. A broom-sewing device comprising a pair of movable laterally-separable side clamp members constructed to flatly engage upon opposite sides of a broom-head, one of said
20 members having rigid therewith a plurality of laterally-extending needles piercing the

broom-head and having a slidable engagement with the opposite member, said needles being provided therein with longitudinal guiding-grooves.

2. A broom-sewing device comprising a pair
25 of movable laterally-separable clamp members constructed to engage upon opposite sides of a broom-head, one of said members being provided at one edge thereof with a series of holes and the opposite member also being
30 provided at its corresponding edge with a plurality of laterally-extending longitudinally-grooved needles piercing the broom-head and engaging the said holes.

In testimony whereof I affix my signature
35 in presence of two witnesses.

THEODORE H. BROWN.

Witnesses:

H. P. PROCTOR,
M. C. NICHOLS.