

No. 695,788.

Patented Mar. 18, 1902.

J. & H. N. BROWN.

TAPE NEEDLE.

(Application filed July 8, 1901.)

(No Model.)

Fig. 1.

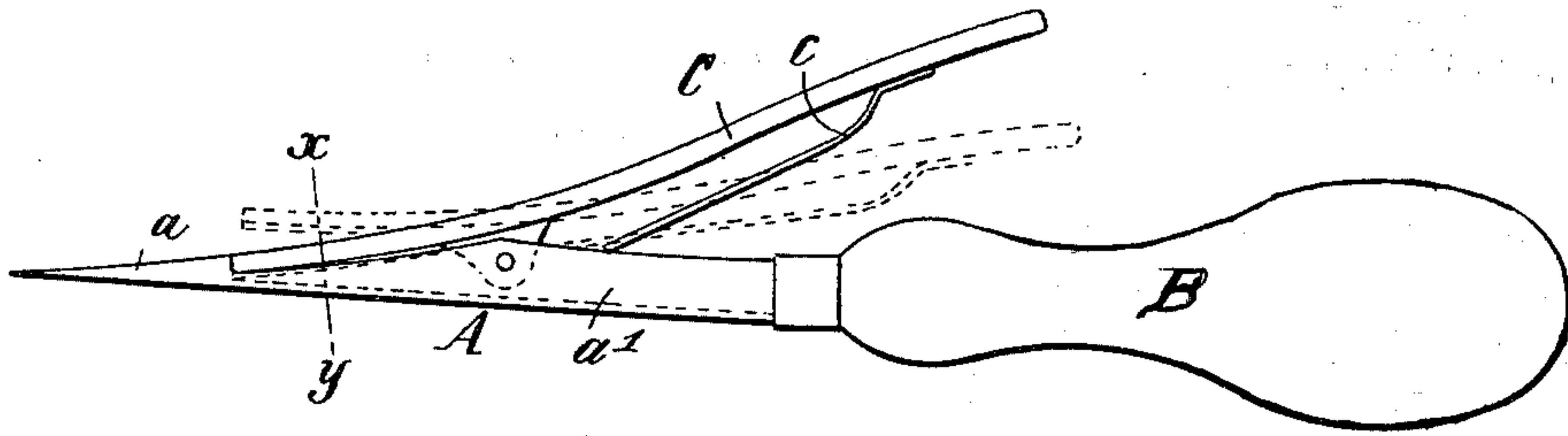
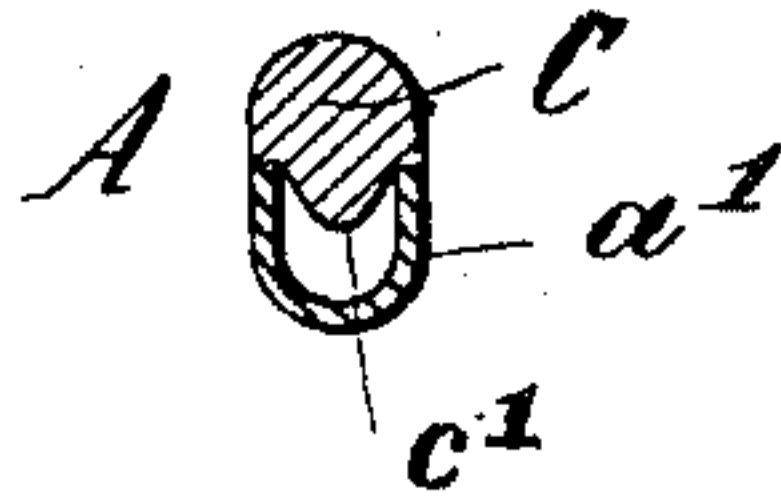


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN BROWN AND HARRY NEWMAN BROWN, OF PETERBOROUGH,
ENGLAND.

TAPE-NEEDLE.

SPECIFICATION forming part of Letters Patent No. 695,788, dated March 18, 1902.

Application filed July 8, 1901. Serial No. 67,462. (No model.)

To all whom it may concern:

Be it known that we, JOHN BROWN, of 22 Lincoln road, and HARRY NEWMAN BROWN, of 285 Cromwell road, Peterborough, Eng-
land, subjects of the King of Great Britain
and Ireland, have invented an Improved De-
vice for Use in Making Cloth Hearth-Rugs,
of which the following is a specification.

This invention relates to a device to be
used in making cloth hearth-rugs and pro-
vides a means by which they may be made
in an expeditious and effective manner.

The device consists of a needle carried by
a suitable handle, the body of the needle be-
ing of channeled form in cross-section and
having pivoted to it an arm provided with a
strong spring, the front end of which arm is
adapted to press against the needle in front
of the pivot lying in a recessed part, so that
the top of the spring-arm when closed is flush
with the front end of the needle. In this po-
sition the needle, the end of which is sharply
pointed, is pushed through the ground ma-
terial of the rug. The spring-arm is then
pressed down to open the front end and a
piece of cloth is inserted, being gripped by
the arm and drawn back through the ground
material. The cloth is then released by open-
ing the arm and withdrawing the needle,
leaving the cloth in the proper position.

In order that this invention may be more
readily understood, reference is had to the
accompanying sheet of drawings, in which—

Figure 1 is a side view of our improved de-
vice or needle; and Fig. 2 is a cross-section
to a larger scale on the line $x y$, Fig. 1.

A is the needle, having the pointed end a ,

the rear part of which forms a shoulder. The
body of the needle is formed by the chan-
neled part a' , secured in the handle B. At
about the middle of the channeled part the
gripping-arm C, provided with the spring c ,
is pivoted, and when closed the front end of
this gripping-arm lies immediately behind the
shoulder formed by the part a . The grip-
ping end of the arm is of peculiar shape in
cross-section, as shown in Fig. 2, the edges
of the arm lying upon the upper edges of the
channeled part a , while the central rib c' pro-
jects into the channel. This arrangement
provides a good grip for the material. The
position of the arm when opened by pressing
upon the rear end with the thumb is shown
in dotted lines in Fig. 1, and it will be seen
that the front end of the arm is raised clear
of the needle, allowing the cloth to be insert-
ed or to be released after it has been drawn
through.

What we claim as our invention, and desire
to secure by Letters Patent, is—

An improved device for use in making cloth
hearth-rugs, consisting of a needle A, having
the pivoted end a and the channeled part a' ,
the handle B, the gripping-arm C having the
rib c' and the spring c , substantially as here-
in described and shown.

In witness whereof we have hereunto set
our hands, in the presence of two witnesses,
this 8th day of May, 1901.

JOHN BROWN.

HARRY NEWMAN BROWN.

Witnesses:

ARTHUR HILL,

HORACE TOM PHILLIPS.