

No. 775,862.

PATENTED NOV. 22, 1904.

A. W. & I. R. SMITH.

BODKIN.

APPLICATION FILED DEC. 31, 1903.

NO MODEL.

FIG. 1.

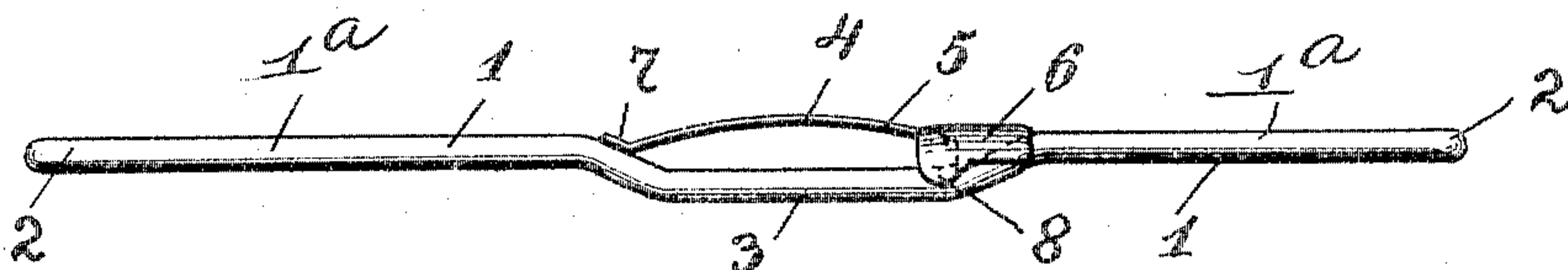


FIG. 2.

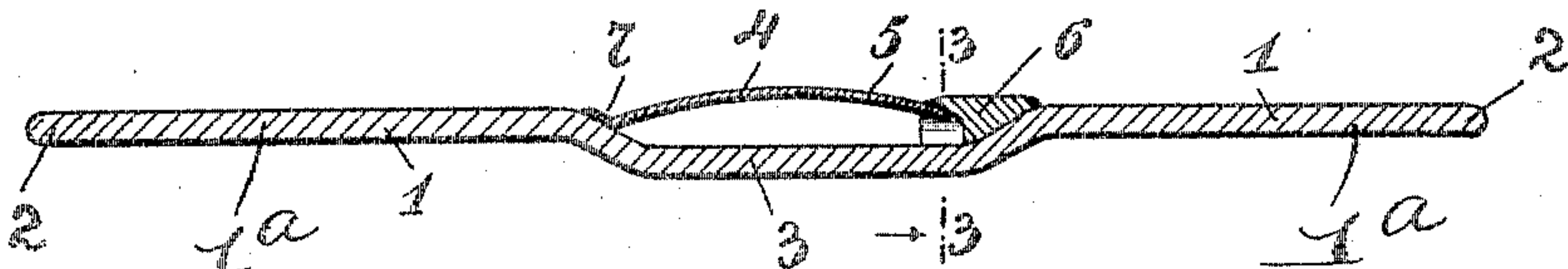


FIG. 3.

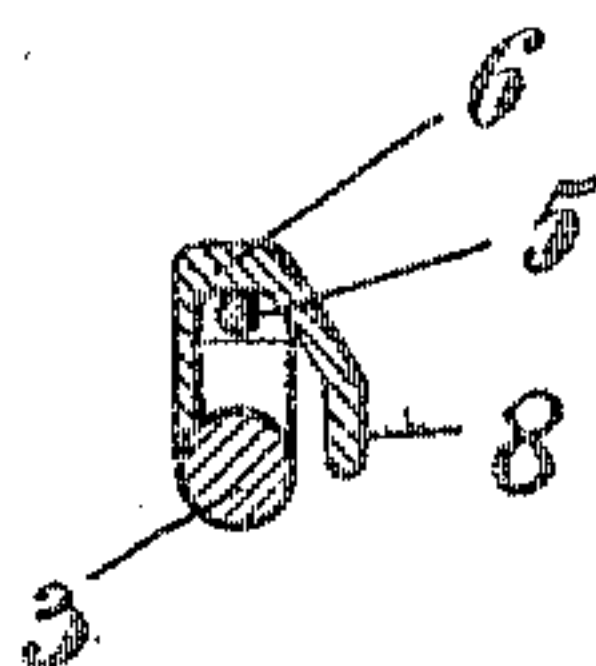


FIG. 4.

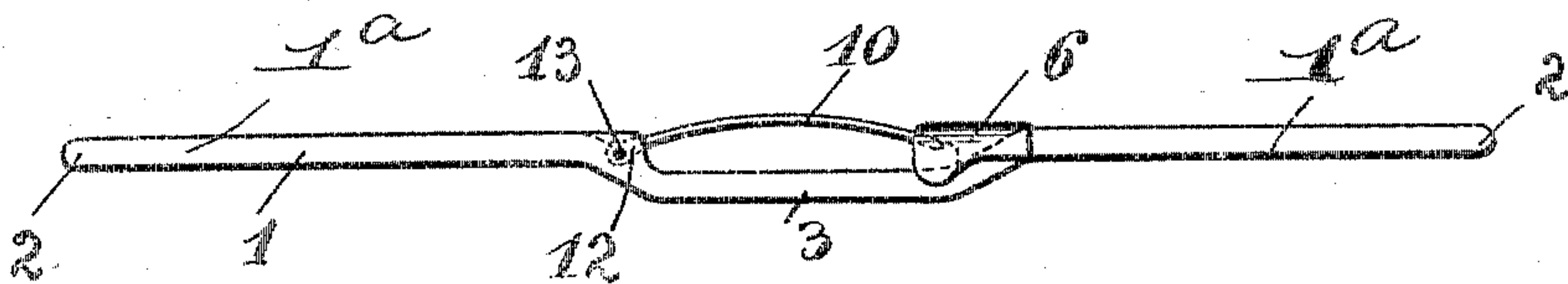


FIG. 5.

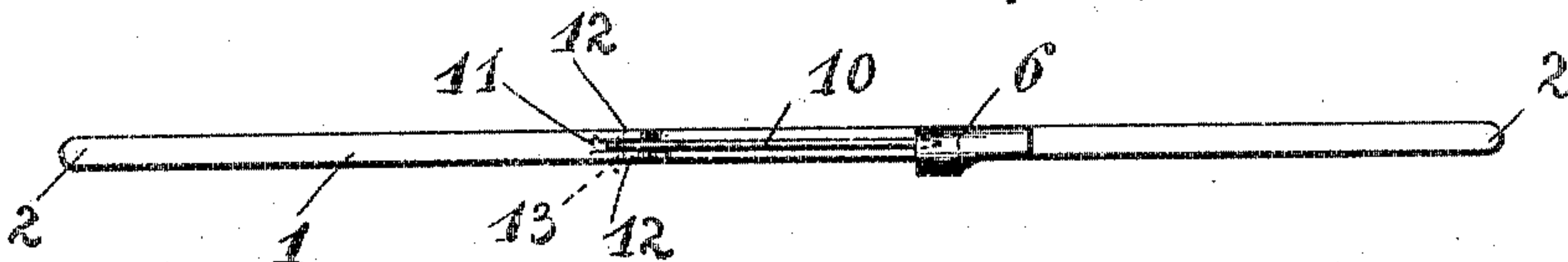
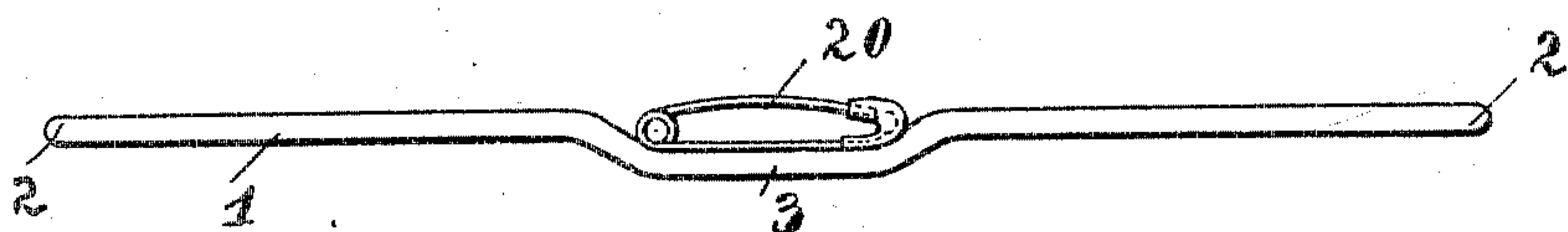


FIG. 6.



Witnesses

C. Hunter

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Inventors

By

[Signature]

Attorney

UNITED STATES PATENT OFFICE.

ABSALOM WOODWARD SMITH AND ISABEL R. SMITH, OF BLAIRSVILLE,
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BODKIN.

SPECIFICATION forming part of Letters Patent No. 775,862, dated November 22, 1904.

Application filed December 31, 1903. Serial No. 187,335. (No model.)

To all whom it may concern:

Be it known that we, ABSALOM WOODWARD SMITH and ISABEL R. SMITH, citizens of the United States, residing at Blairsville, in the county of Indiana and State of Pennsylvania, have invented certain new and useful Improvements in Bodkins; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in bodkins or devices for inserting a drawing-string, ribbon, or the like through a hem or casing of fabric or other material.

The object of our invention is to provide a device of this character which will be simple in construction, durable in use, very efficient for the purpose intended, and comparatively inexpensive to manufacture.

With this and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of one form of our invention. Fig. 2 is a longitudinal section through the same. Fig. 3 is a transverse section taken on the line 3 3 of Fig. 2. Figs. 4 and 5 are respectively side and edge views of a modified form of our invention. Fig. 6 is a side view of still another modified form of our invention.

Referring more particularly to Figs. 1, 2, and 3 of the drawings, the numeral 1 denotes a bodkin comprising a needle-like body of metal or other suitable material formed with longitudinally-alined handles 1^a, having blunt outer ends 2 and connected at their inner ends by an offset portion 3. The handles 1^a are preferably of equal length, thus disposing the intermediate offset portion 3 at the center of the bodkin. The said offset portion 3 is curved or arc-shaped and adapted to receive a clasp 4, which takes the place of the usual eye in the ordinary bodkin. The said clasp com-

prises a pin 5 and a guard 6 for the point of the pin. As clearly shown in Fig. 2, said pin has one of its ends 7 fixed rigidly in the body 1 at one end of the curved offset portion 3, and it extends longitudinally across the offset portion in alinement with the edge of the body 1. The guard 6 is secured at the opposite end of the offset portion 3 and forms a cap or hood to receive the point of the pin, one side of the cap or hood being closed and its other side having a downwardly and outwardly projecting flange or lip 8, beneath which the point of the pin must be sprung in order to disengage it from the guard. The pin being thus disposed and protected is not liable to be accidentally unfastened and will permit the device to be pushed through the hem, casing, or the like with either end foremost.

In using the device the pin is disengaged from the guard, then passed through the string, tape, ribbon, or the like which is to be drawn through the hem, and again sprung under the guard. Either end of the body is then inserted in the hem and worked through the same in a manner well understood. The portions of the body at each end of the clasp are of sufficient length to be readily grasped, so that the device may be manipulated without bringing the fingers in contact with the pin, and thereby possibly unfastening the clasp.

The construction of the bodkin illustrated in Figs. 4 and 5 is very similar to that of the one just described. The pin 10 of the clasp instead of being rigidly attached to the body is pivotally or hingedly connected thereto to permit it to have a swinging movement. A portion of the body at one end of the offset portion is grooved or recessed, as at 11, to form ears 12, between which the end of said pin is disposed and pivotally secured by a pin 13, passed through apertures in said ears and pin. The construction and operation of this form of our invention is the same as that of the form previously described, the spring or resilience of the pins in both forms being sufficient to hold them against casual disengagement from their guards. In the latter form the pin 10, owing to its pivotal connec-

tion, may be swung out to a greater extent to permit it to be more readily engaged with the string or ribbon.

5 In the embodiment of our invention which is illustrated in Fig. 6 the clasp is in the form of an ordinary safety-pin 20, the back of the same being secured in the curved offset portion of the body, as clearly shown in said figure.

10 We wish to be understood that we do not limit ourselves to the construction and arrangement of parts herein shown and described. The pin and guard, for instance, may be located at any point on the body, whether
15 adjacent to its center or to either of its ends. The body instead of being formed with an offset portion may be straight, and the pin may be either straight or curved. Various other changes in the form, proportion, and the mi-
20 nor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

25 From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Having thus described our invention, what

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

1. A bodkin or tape-needle comprising a body having an offset portion intermediate its ends, a resilient pin rigidly secured at one end of said offset portion and extending across the
35 same, said pin being of a length substantially coextensive in length with the offset portion, and a guard for the point of said pin secured at the opposite end of said offset portion, substantially as described. 40

2. A bodkin comprising longitudinally-alined solid handles, an offset portion joining said handles, a pin adapted to span the space of the offset portion and connected at one end to the inner end of one of said handles, and
45 located wholly between the handles, and a catch and guard for the free end of the pin upon the inner end of the other handle, substantially as described.

In testimony whereof we have hereunto set
our hands in presence of two subscribing witnesses. 50

ABSALOM WOODWARD SMITH.
ISABEL R. SMITH.

Witnesses:

DANL. SMITH,
MARY L. SMITH.