

(No Model.)

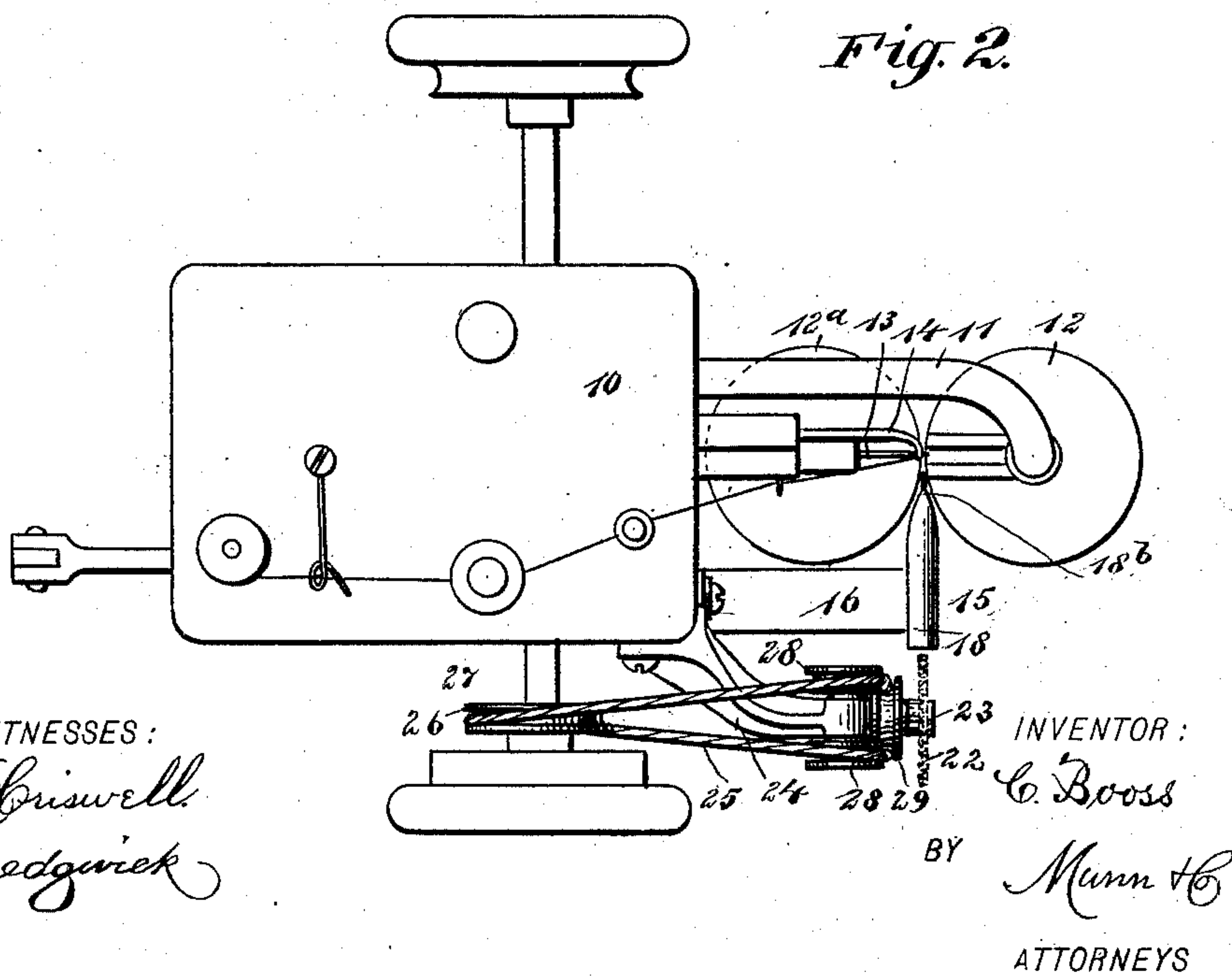
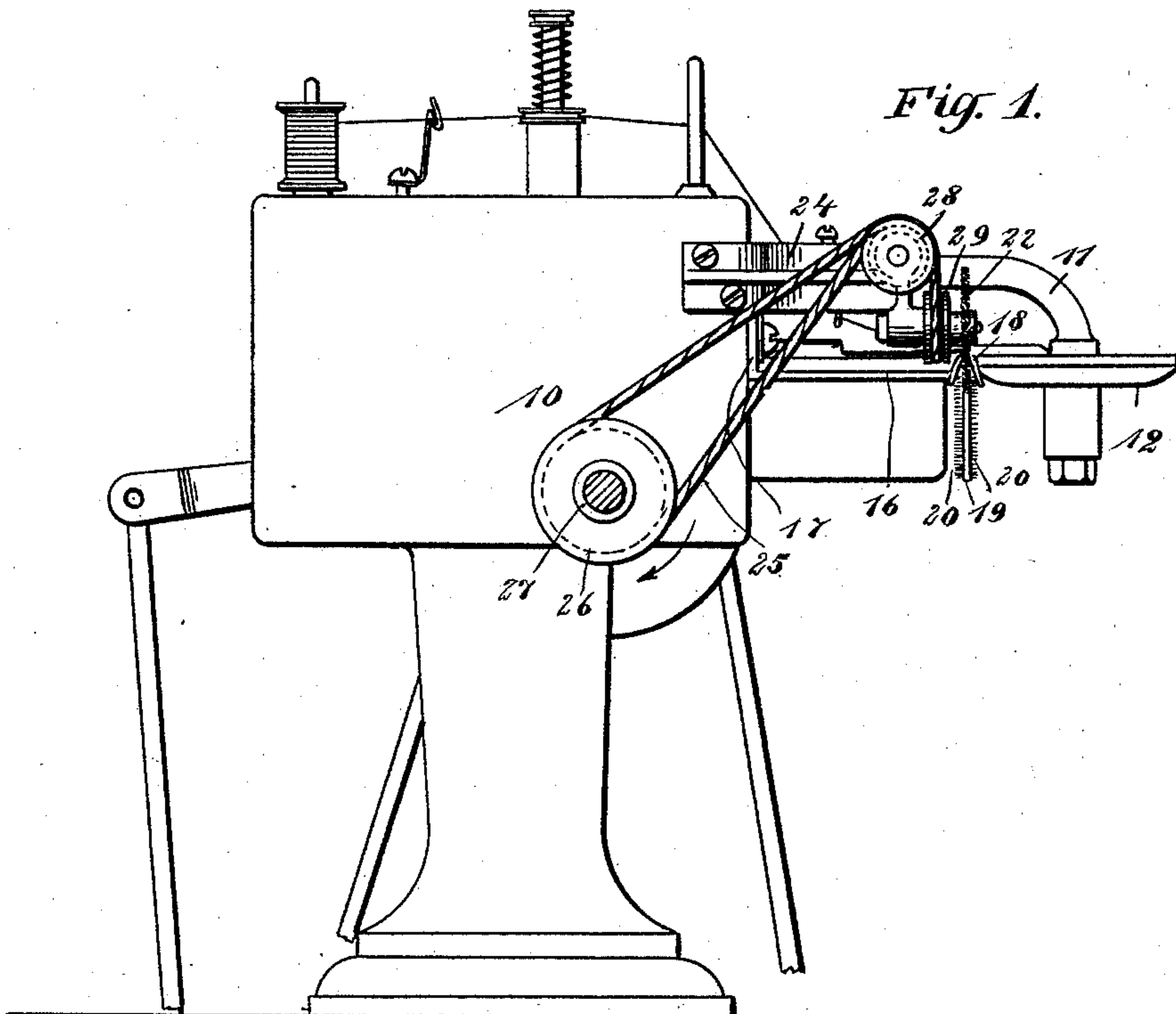
2 Sheets—Sheet 1.

C. BOOSS.

GUIDING ATTACHMENT FOR FUR SEWING MACHINES.

No. 476,725.

Patented June 7, 1892.



(No Model.)

2 Sheets—Sheet 2.

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GUIDING ATTACHMENT FOR FUR SEWING MACHINES.

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Fig. 3.

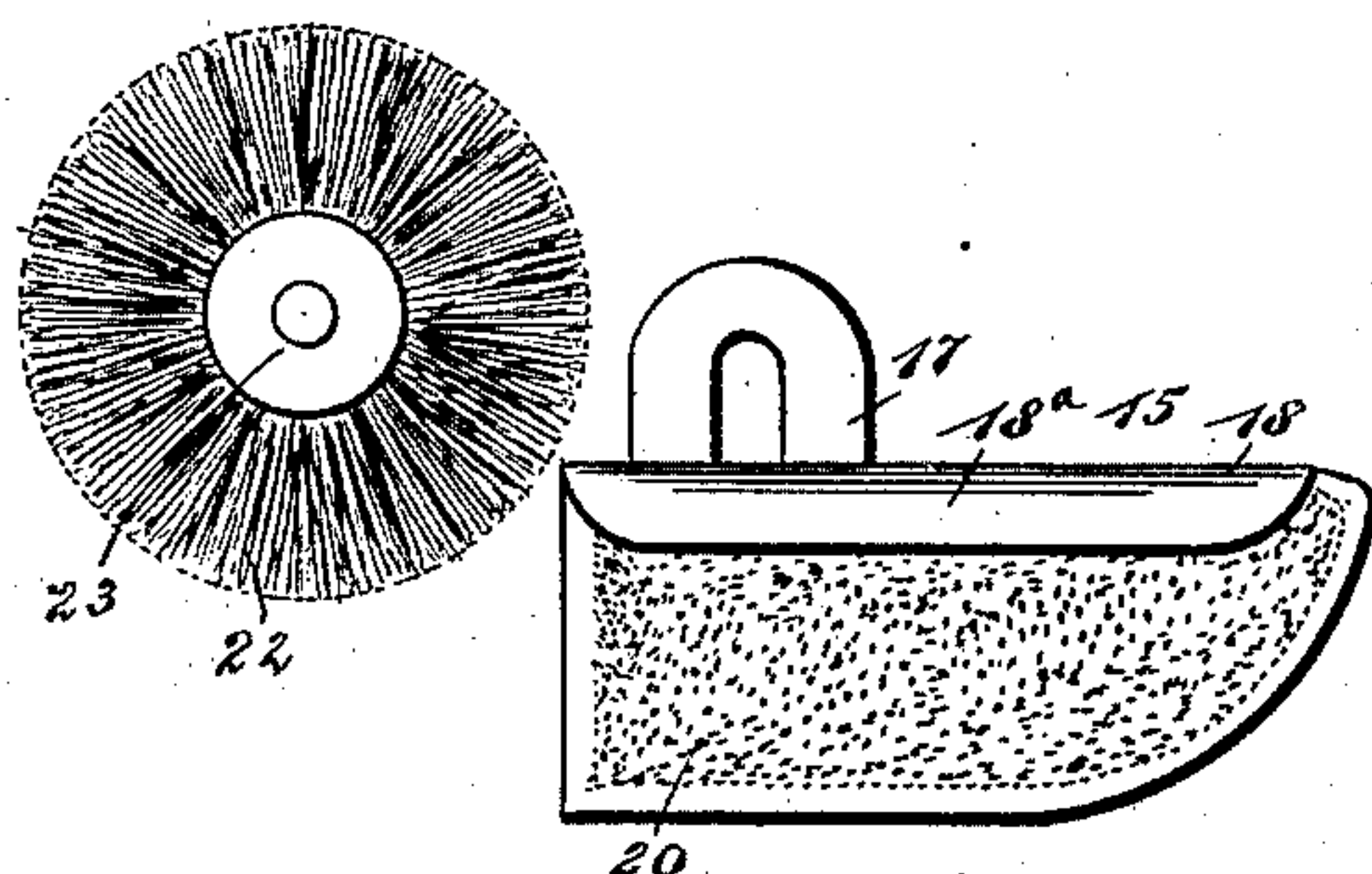


Fig. 4.

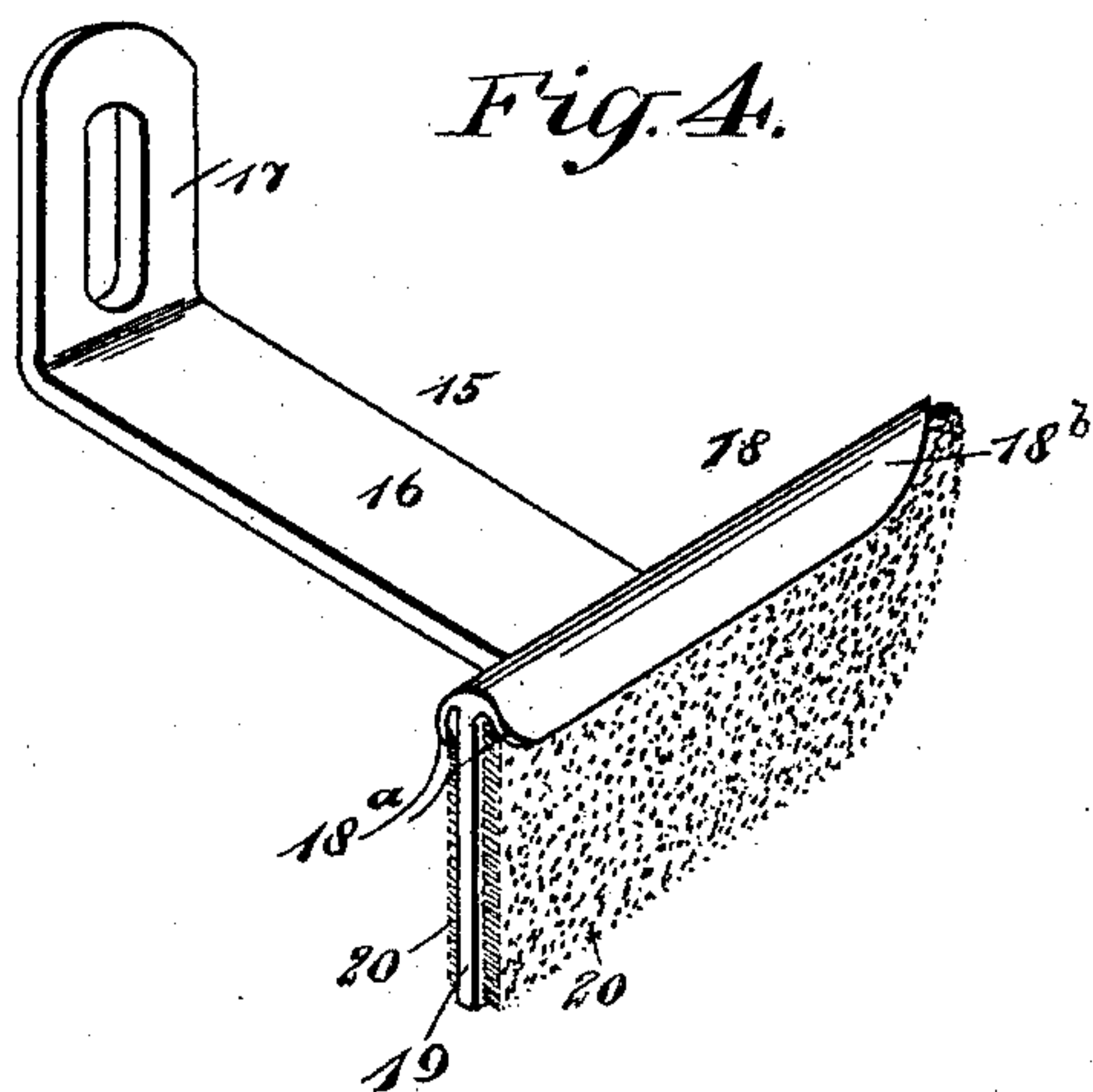


Fig. 5.

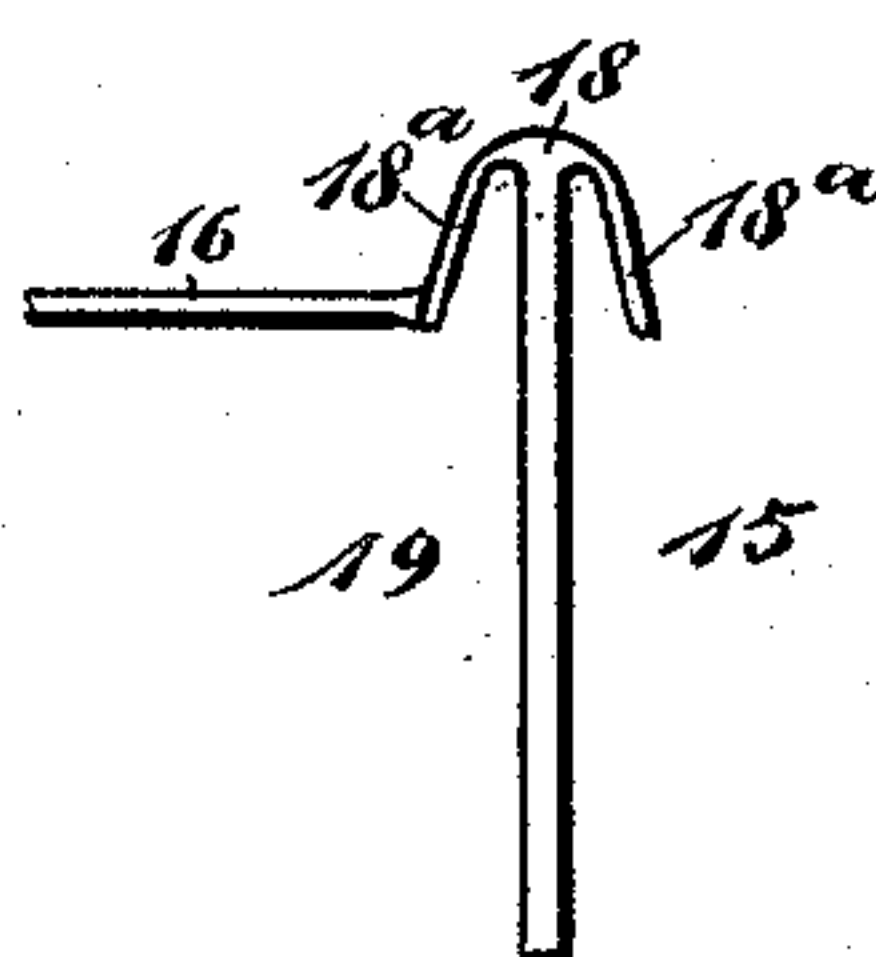
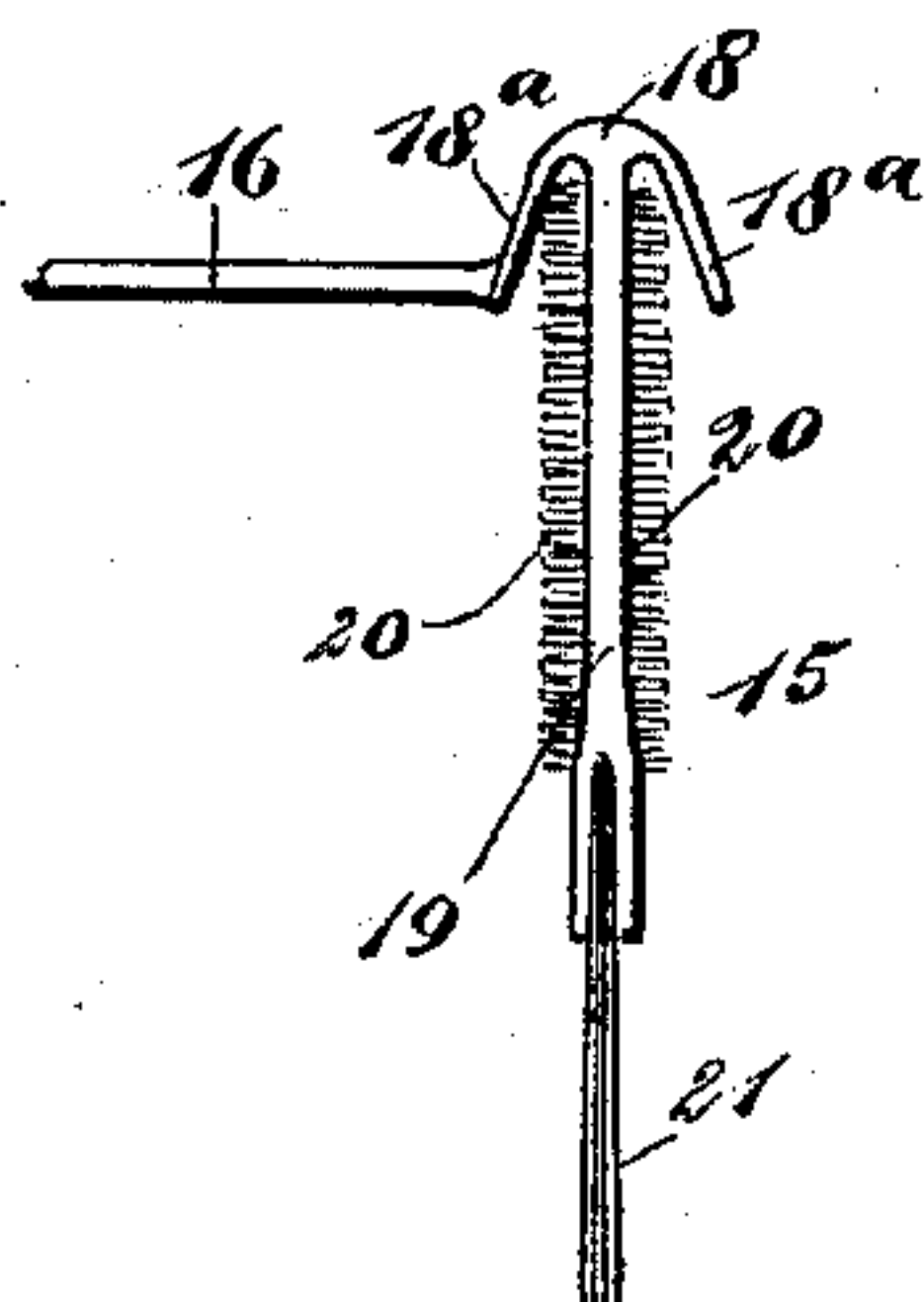


Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

CATHARINA BOOSS, OF NEW YORK, N. Y.

GUIDING ATTACHMENT FOR FUR-SEWING MACHINES.

SPECIFICATION forming part of Letters Patent No. 476,725, dated June 7, 1892.

Application filed February 11, 1892. Serial No. 421,120. (No model.)

To all whom it may concern:

Be it known that I, CATHARINA BOOSS, of New York city, in the county and State of New York, have invented new and useful Attachments for Fur-Sewing Machines, of which the following is a full, clear, and exact description.

My invention relates to improvements in attachments for sewing-machines which sew fur, leather goods, or other material, and in which the parts to be united are placed side by side, as described in this specification; and its object is to produce a guide and other attachments which will serve to bring the parts into the exact proper positions in relation to each other and in relation to the sewing-machine needle, and also to provide means when fur is to be sewed for brushing the fur away from the seam so as to expose the skin to the action of the needle and keep the fur entirely away from the same.

To this end my invention consists in certain features of construction and combinations of parts, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation, partly in section, of a fur-sewing machine provided with my attachments. Fig. 2 is a plan view of the same. Fig. 3 is an enlarged detail side elevation of the guide and brush, showing them in their proper relative positions. Fig. 4 is a detail perspective view of the guide. Fig. 5 is a broken end view of a modified form of guide, and Fig. 6 is a broken end view of another modified form of guide.

The machine 10 (shown in Figs. 1 and 2) is adapted for sewing fur, leather, or similar goods. It is a machine known to the trade and forms no part of my invention, the machine being shown simply to illustrate the application of my improvements thereto. The machine has on its front side a forwardly-extending and downwardly-curved arm 11, carrying a roller 12, which revolves horizontally thereon, and opposite this roller is arranged another roller 12^a, the two rollers being adapted to feed the material to the needle 13, which

moves horizontally, as best shown in Fig. 2, in a suitable guide 14. The above construction forms no part of my invention.

A guide 15 is held adjacent to the feed rolls or wheels 12 and 12^a, so as to properly guide the material to the needle, and the point of the guide extends nearly to the point of the needle. The guide is held by an arm 16, one end of which is doubled upward at a right angle to form the slotted piece 17, which enables the arm to be screwed to the body of the machine and adjusted vertically, and the outer end of the arm is secured to the inner side 18^a of the hood 18 of the guide, which hood has a central depending partition 19, which divides the guide into two parts, forming recesses between the sides 18^a of the guide and the partition, and when the material is fed to the machine one piece will be carried on one side of the partition 19 and in one of the recesses of the hood, and the other piece of the material will be carried on the opposite side, the two pieces being united as they emerge from the hood and pass opposite the needle. The hood 18 is tapered, preferably, at the end next the needle, as shown at 18^b, to facilitate the smooth and easy feeding of the material.

The partition 19 is provided on each side with short projecting bristles 20, forming brushes which are adapted to brush back and down the fur of the skins, and it will be understood that when the skins are sewed they are arranged with their fur sides together, and consequently the brushes will have a good opportunity to act on the fur. Where leather or other material is sewed in the manner described, the brushes 20 may be dispensed with, as shown in Fig. 5, and a smooth partition 19 may be used; but the partition may be roughened if necessary, and, if desired, the partition may be provided with extra depending bristles 21 at its lower edge, as shown in Fig. 6, which bristles will also serve to push down the fur on the skins. This latter form of guide having the depending bristles 21 is especially adapted for very long fur, and the bristles will push the long hairs of the fur down, so that they will not interfere with the seams.

A rotary brush 22 is arranged at the rear

end of the guide 15 and is provided with a central hub 23, which is mounted on the outer end of an arm 24, secured to one corner of the machine 10, as shown in Figs. 1 and 2, and
5 the brush is driven by a suitable belt 25, which passes over a pulley 26 on the main shaft 27 of the machine, and also over pulleys 28 and 29, arranged at the outer end of the arm, as shown in Fig. 2, the pulleys 28 being arranged
10 opposite each other and the pulley 29 being arranged at right angles to them; but I do not confine myself to any particular driving mechanism for the brush, as it is obvious that it may be arranged at the end of the guide, as
15 shown in Fig. 2, and rotated in many ways. The revolution of the brush 22 serves to brush down the fur from the edges of the skins, and the united action of the brushes 20 and 22 and the guide 15 will keep the edges of the skins

entirely free of fur, so that the skins may be 20 nicely and rapidly sewed together.

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

1. In a machine of the character described, 25 a guide comprising an open-ended hood and a central partition extending longitudinally through the hood and having brushes on its sides, substantially as described.

2. In a machine of the character described, 30 the combination, with the guide consisting of a hood having a depending central partition, of a revoluble brush held to turn at one end of the guide, substantially as described.

CATHARINA BOOSS.

Witnesses:

WARREN B. HUTCHINSON,
C. SEDGWICK.