

No. 891,201.

PATENTED JUNE 16, 1908.

E. BLOSSFELD.
SELF FEEDING SEWING AWL.
APPLICATION FILED JAN. 22, 1906.

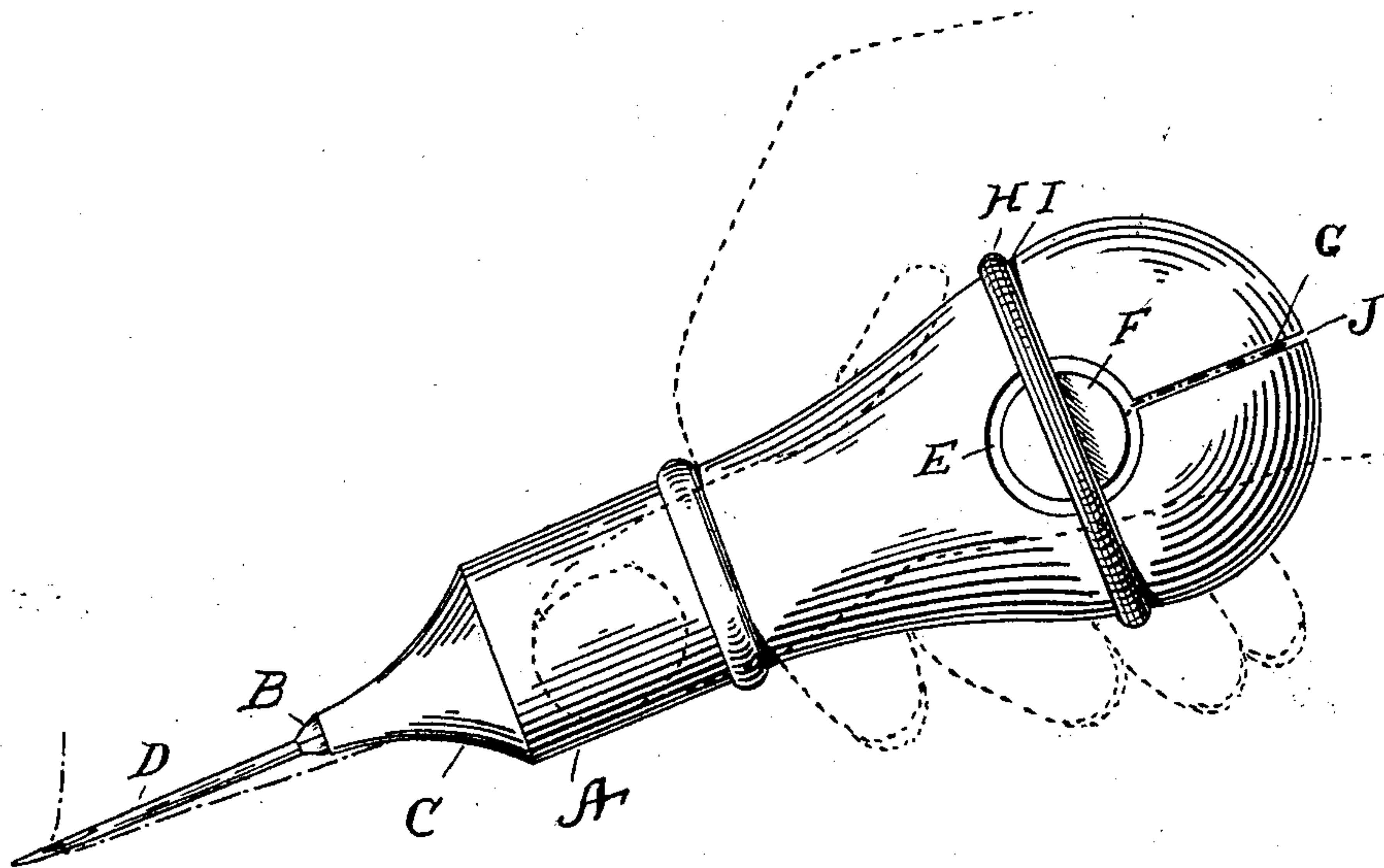


Fig. 1

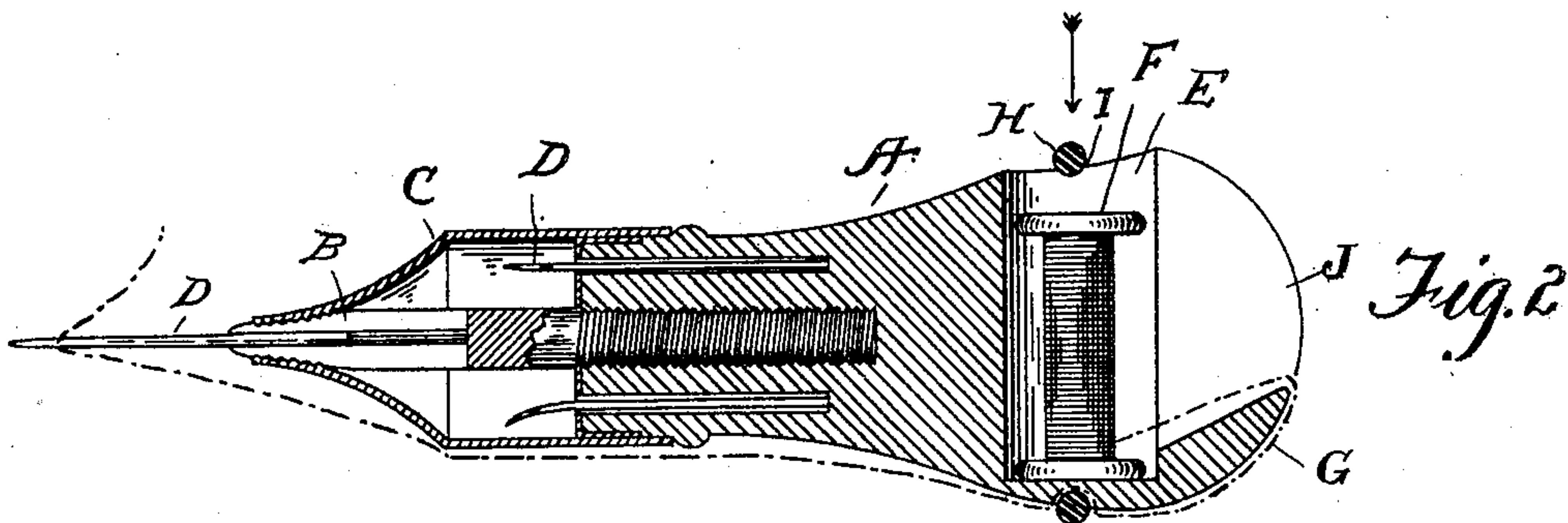


Fig. 2

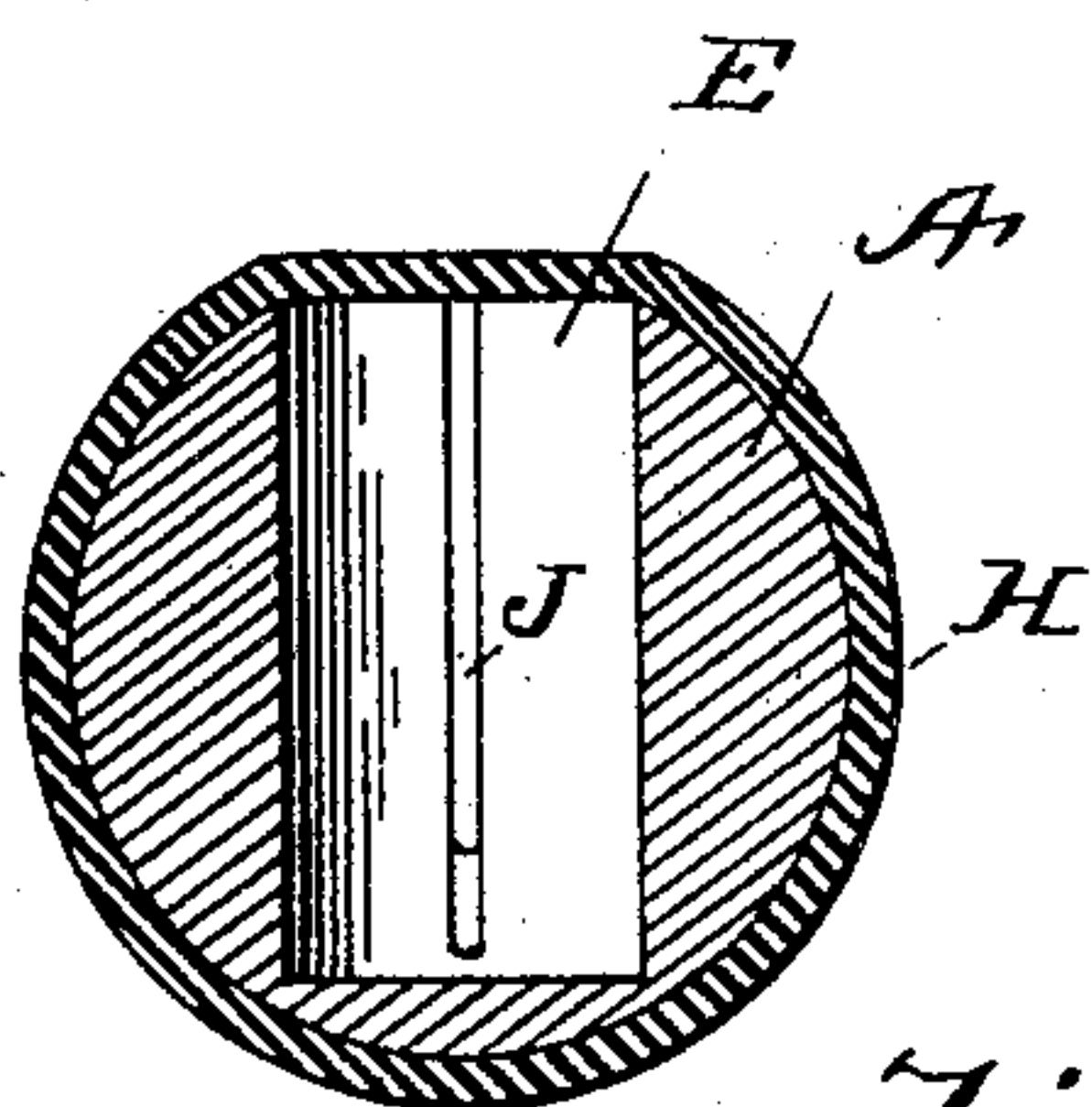


Fig. 3

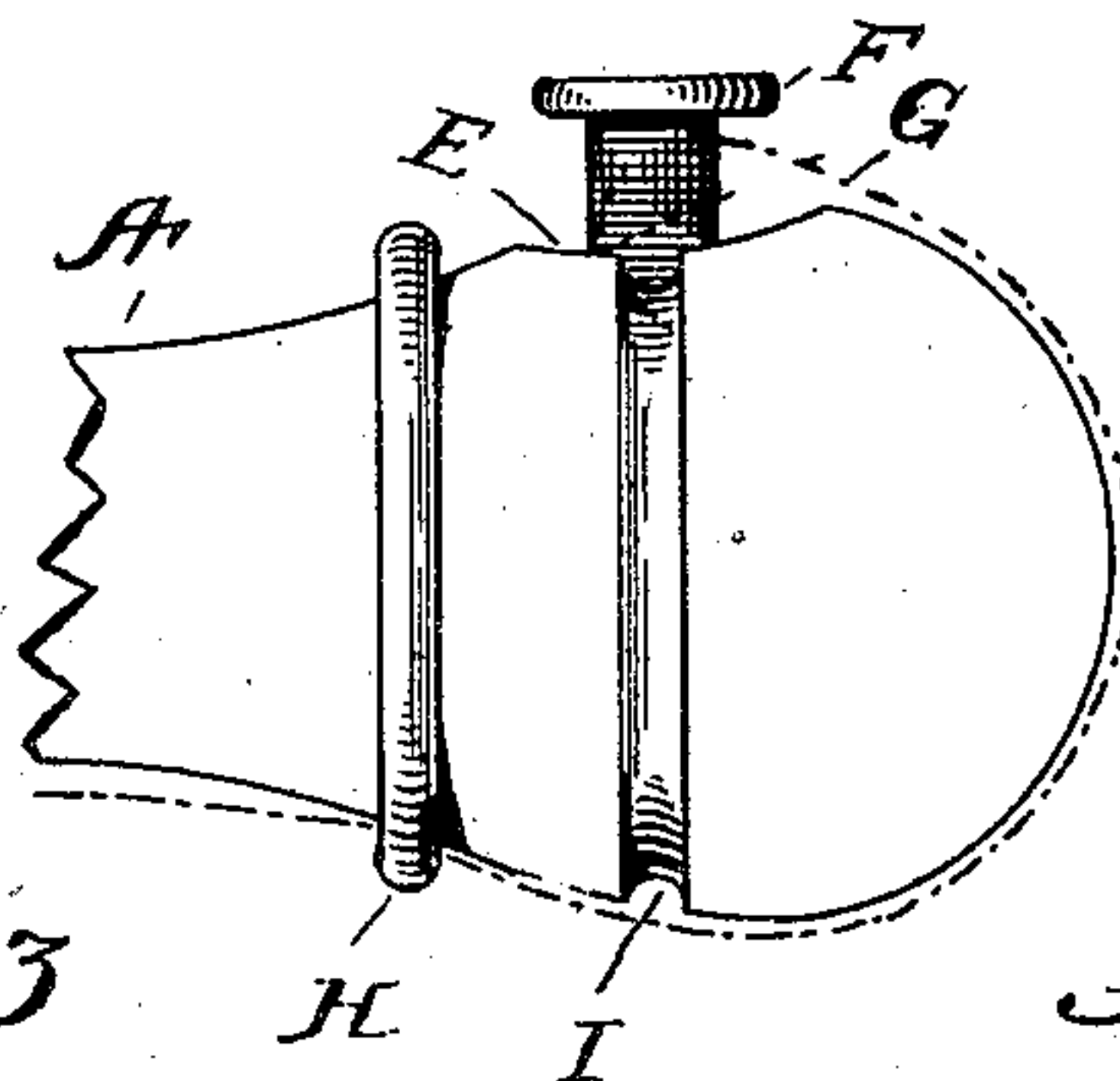


Fig. 4

WITNESSES:

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EMIL BLOSSFELD, OF SAN FRANCISCO, CALIFORNIA.

SELF-FEEDING SEWING-AWL.

No. 891,201.

Specification of Letters Patent.

Patented June 16, 1908.

Application filed January 22, 1906. Serial No. 297,349.

To all whom it may concern:

Be it known that I, EMIL BLOSSFELD, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Self-Feeding Sewing-Awls; and I do hereby declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same.

I term my present invention a self feeding sewing awl, which as the name indicates, is an awl through which the thread is automatically fed in the process of sewing leather or other similarly thick and tough goods.

My present invention possesses all the requisites of strength and durability, and is especially simple in construction and efficient in operation.

I have provided simple means which automatically controls the tension on the thread, and at the same time prevents the unwinding of the spool during the moments of its non-use.

Other objects and advantages of the invention will appear in the following specification, and the novel features thereof will be particularly pointed out in the appended claims.

I am enabled to accomplish the objects of my invention by the means illustrated in the accompanying drawings, in which:—

Figure 1 is an elevation of the complete device, the dotted lines indicating the position of the operator's hand in the process of sewing. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a transverse section taken on the line indicated by the arrow in Fig. 2. Fig. 4 is an elevation of the handle of the awl, showing the manner of removing the spool.

Referring now to the above views by letter A represents the handle of the device, the front or tapered end of which carries a chuck made up of the split shank B and outer collar C, the latter engaging with threads on the shank B and spreading until it encircles the handle. The collar C, when in the position shown in Fig. 2 forms a cap to inclose the extra needles D which are received in cavities formed in the handle.

Near the butt of the handle A and at right angles to the direction of the shank B, is formed the cavity E into which is adapted to rest the small spool F and about which is wound the thread G.

In order to prevent the accidental leaving of the spool F from the cavity E, I have provided the rubber ring H which rests in the circumferential groove I. Now assuming that the spool F is placed in the cavity E and that the needle is held in the chuck as shown in Figs. 1 and 2, and that the thread after passing through the slot J, which is parallel to the direction of the cavity E, is passed under the ring H and through the eye of the awl, it will be readily seen that as the awl is forced through the material to be sewed, the thread will be carried with it, and by looping or otherwise manipulating the thread the proper stitch is made. During this sewing process the thread moves up and down the slot J and in so doing prevents any tendency of the spool climbing up the cavity. It is manifest that by the employment of this rubber ring the governing of the tension on the thread is brought to a nicety, for by simply governing the grasp of the operator's hand about the handle of the awl this tension is correspondingly governed.

During the time that the device is not in use but allowed to suspend itself from the goods being sewed, the accidental unwinding of the thread from about the spool is prevented by the clinging of the rubber ring against the thread. When it is desired to remove the spool F from the cavity E, the rubber ring H is simply rolled from the groove I and the spool removed as shown in Fig. 4.

Having thus fully described the construction and operation of my invention, the many advantages of the same will, it is thought be readily understood.

What I claim and desire to secure by Letters Patent is:—

A self feeding sewing awl comprising a suitable handle and chuck for holding the needle, said handle being formed with a cavity, a spool adapted to rest in said cavity, a circumferential groove formed about said handle, a rubber ring arranged to rest in said groove, the thread from said spool being arranged to pass between said ring and said groove to regulate the tension substantially as and for the purpose set forth.

In testimony whereof, I have hereunto signed my name to this specification in the presence of two subscribing witnesses.

EMIL BLOSSFELD.

Witnesses:

MARTIN ARONSOHN,
ELIZ. KINCAID.