

(No Model.)

J. NIXON.

THREAD MOISTENING ATTACHMENT FOR SEWING MACHINES.

No. 296,770.

Patented Apr. 15, 1884.

Fig. 1.

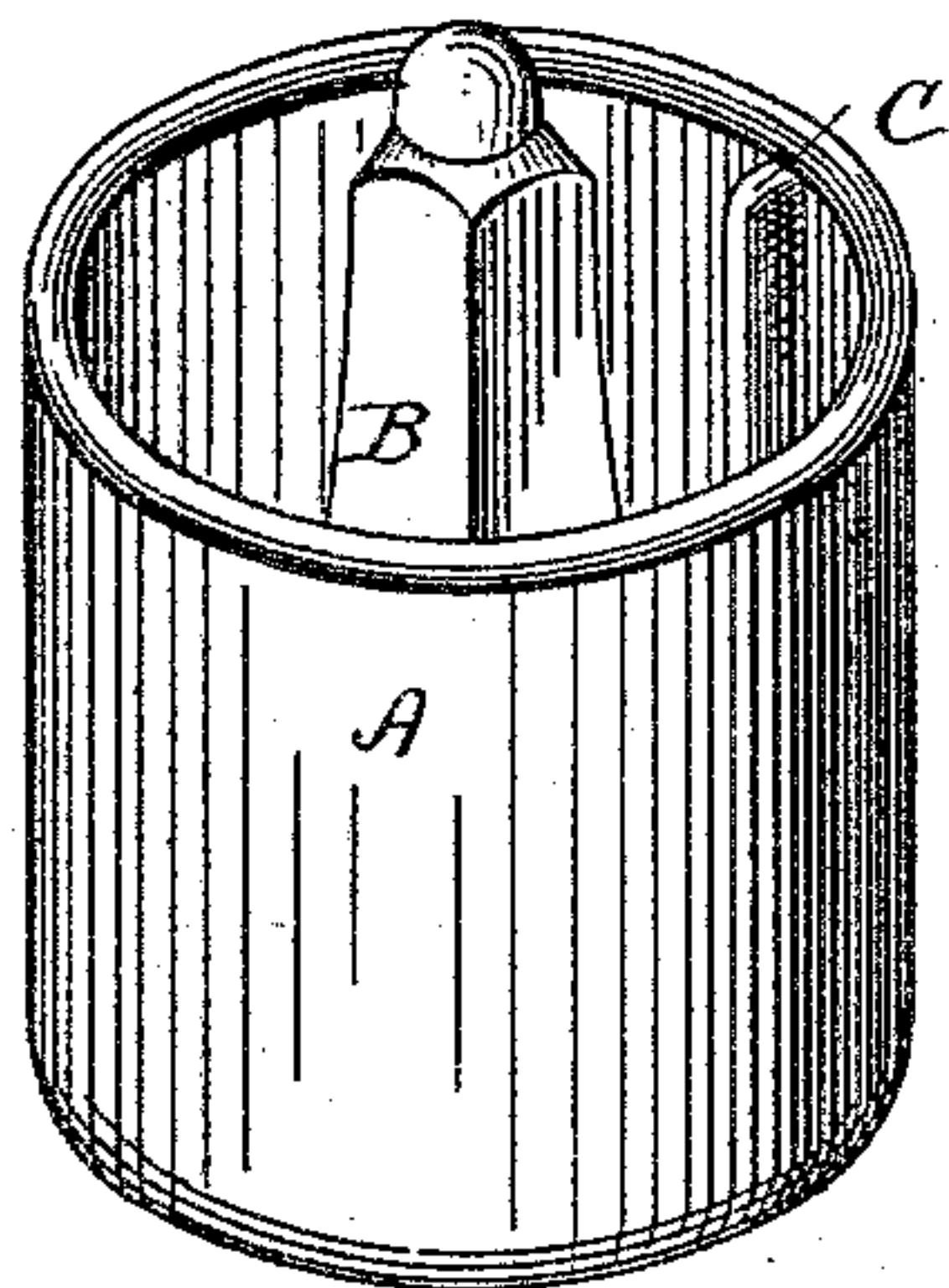


Fig. 2.

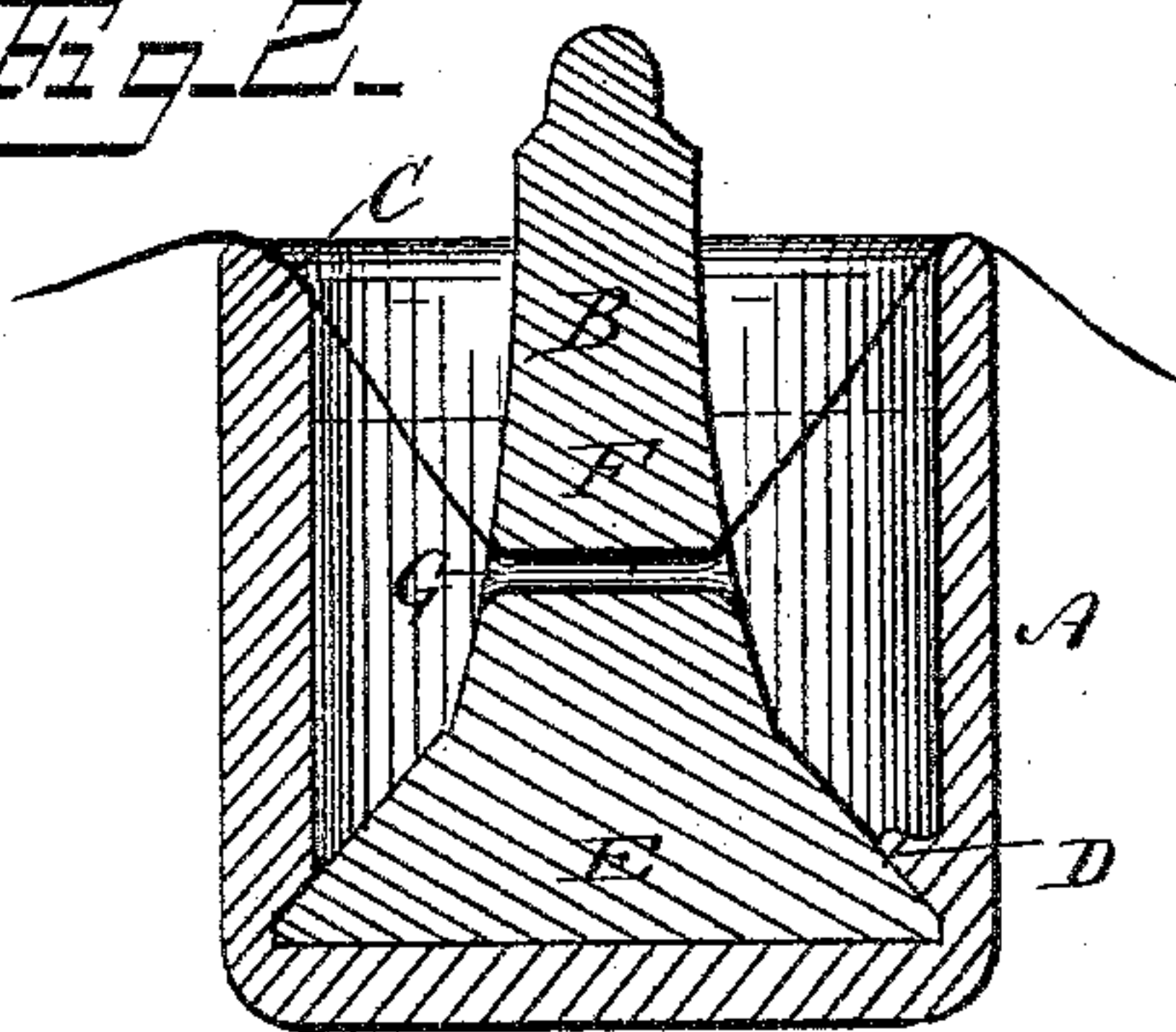


Fig. 3.

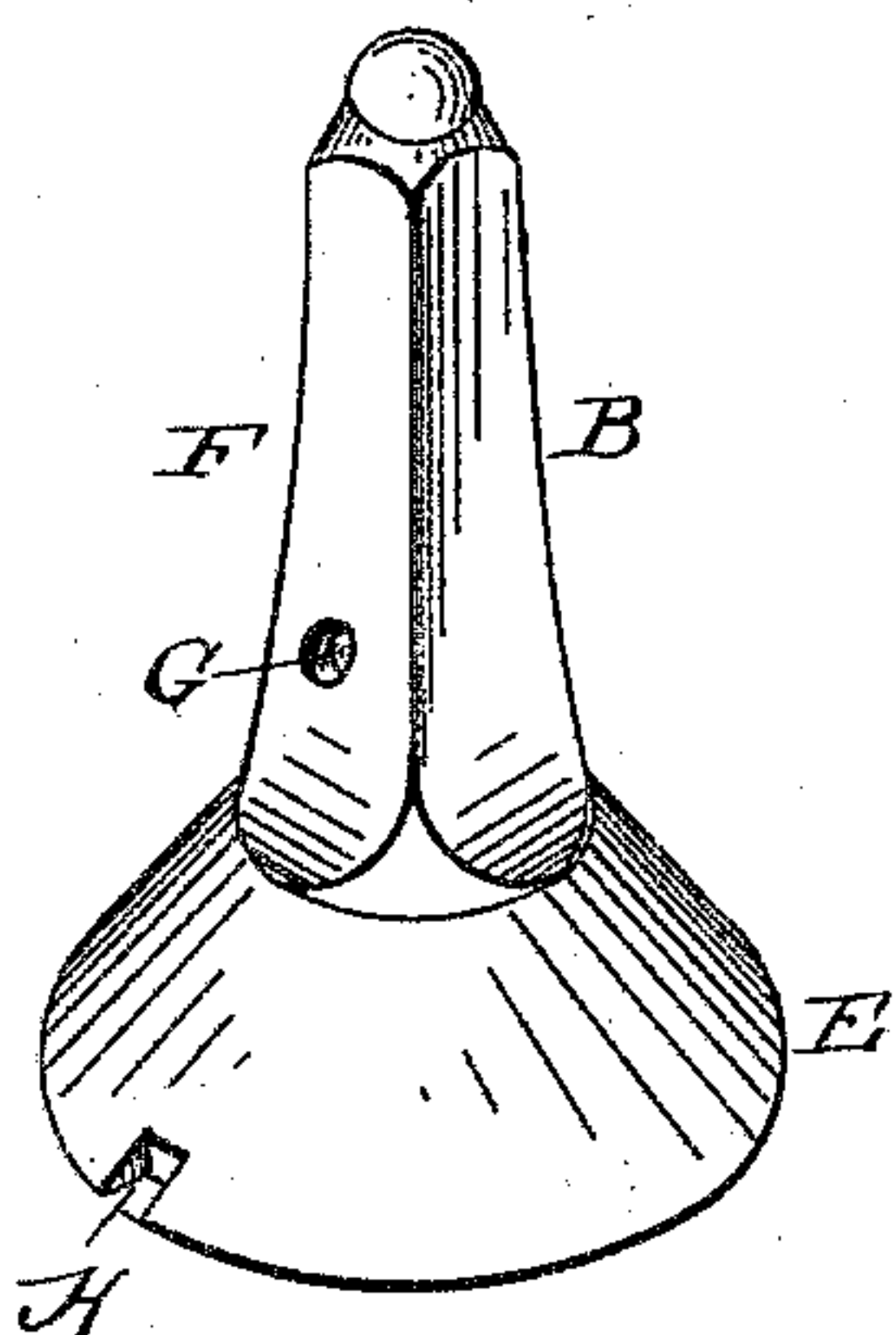


Fig. 4.

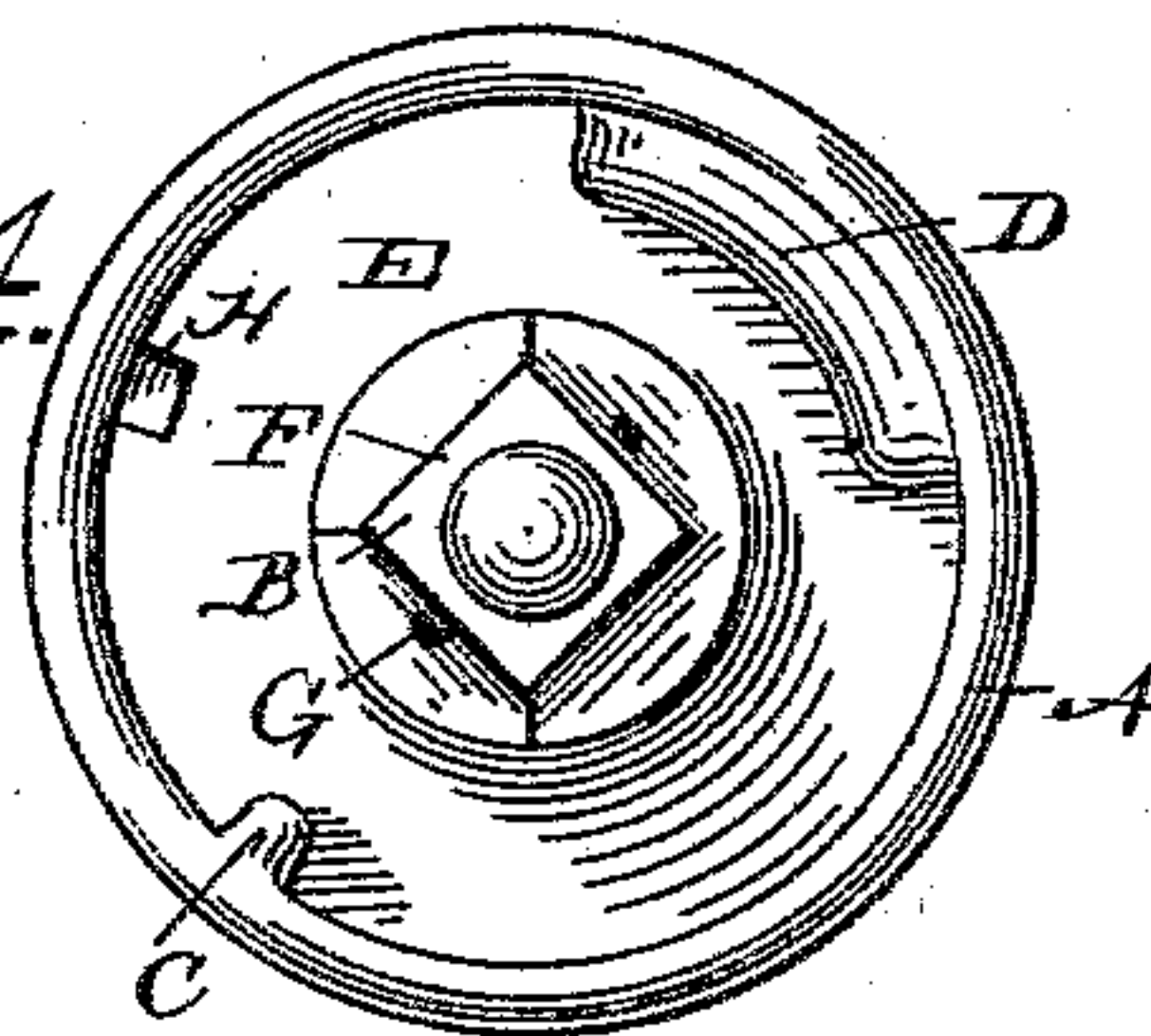
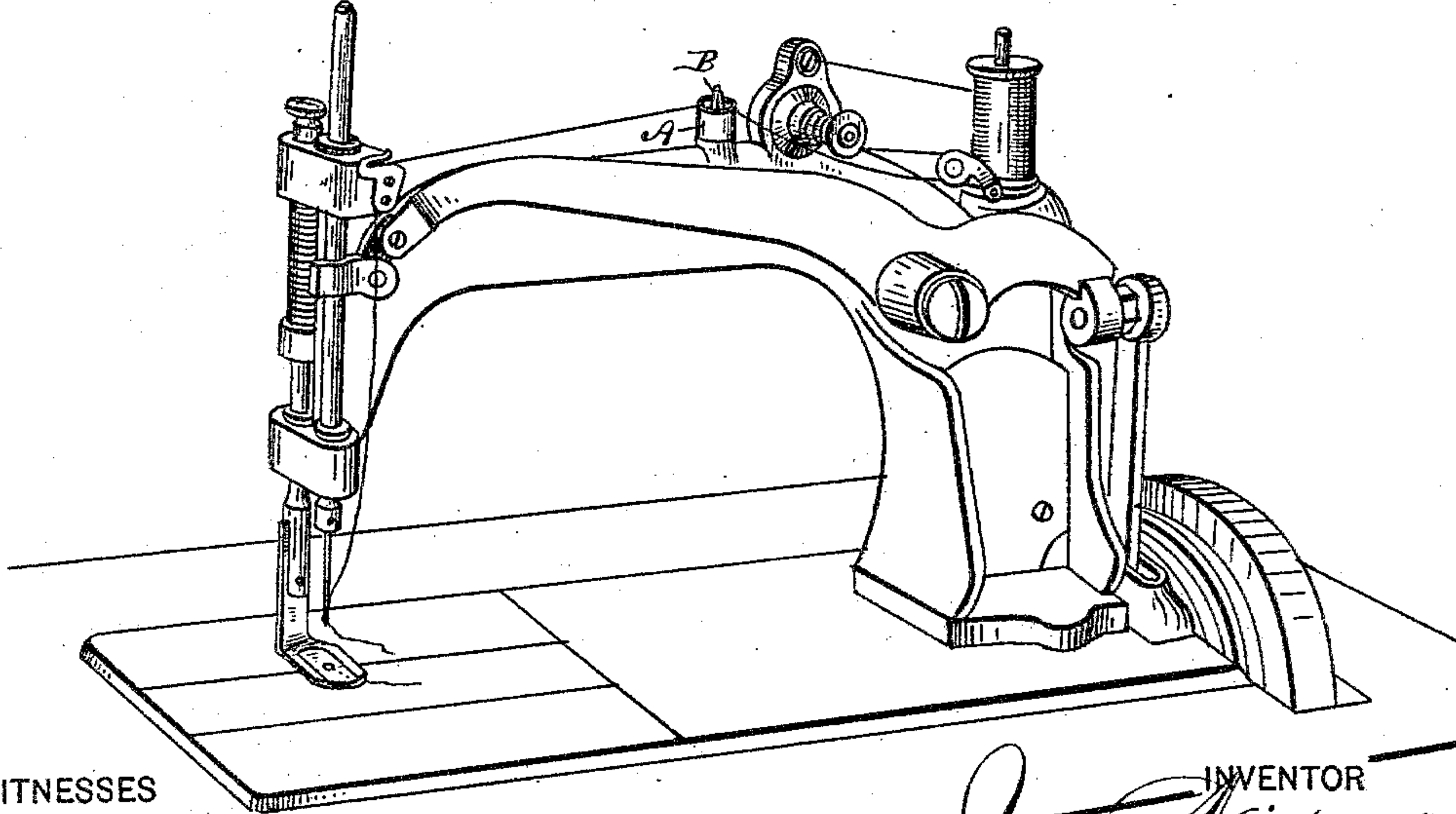


Fig. 5.



WITNESSES

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# UNITED STATES PATENT OFFICE.

JANE NIXON, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO VERNON BELL, OF SAME PLACE.

## THREAD-MOISTENING ATTACHMENT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 296,770, dated April 15, 1884.

Application filed March 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JANE NIXON, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented a new and useful Improvement in Thread-Moistening Attachments for Sewing-Machines, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to an improved attachment for sewing-machines, the object of which is to moisten the thread before it passes to the needle, whereby it is rendered less brittle, and consequently less liable to break  
15 when the machine is run at a high rate of speed; and it consists in the improved construction and arrangement of the said attachment which will be hereinafter fully described, and particularly pointed out in the claim.

20 In the drawings hereto annexed, Figure 1 is a perspective view of the attachment complete detached from the sewing-machine. Fig. 2 is a vertical sectional view of the same. Fig. 3 is a perspective view of the thread-  
25 guide, which forms a part of the device, detached. Fig. 4 is a top view of the device complete; and Fig. 5 is a perspective view of the device complete and in position for operation upon a sewing-machine.

30 The same letters refer to the same parts in all the figures.

This device consists, mainly, of two parts—viz., a cup or holder, A, and a thread-guide, B. Both are preferably to be made of glass,  
35 porcelain, or other similar material which will not rust or corrode or be otherwise injuriously affected by being continuously exposed to the action of water; but metal or any other material may be employed in their construction  
40 if, for any reason, it shall be deemed expedient.

The holder A consists of a suitable cup or vessel, having on its inner side a vertical rib, C, extending nearly to the bottom, and diametrically opposite which, near the bottom, is  
45 located an inwardly-projecting flange, D.

The vessel A may be secured to the frame of a sewing-machine, in place of one of the usual thread-guides, in any suitable manner.  
50 I propose making the said vessels with various means of attachment adapted to the various makes of sewing-machines, and I do

not wish to limit myself to any particular form of attachment. None is therefore described.

The thread-guide B consists of a disk, E, 55 having an upright, F, provided with a transverse perforation or eye, G, for the passage of the thread. The disk E is provided with a notch, H, corresponding with the rib C in the cup or vessel A. The disk E is of a size to fit 60 snugly in the bottom of vessel A, into which it may be readily inserted by causing the notch H to register with rib C. When the edge of the disk has been inserted under the flange D, and the disk rests firmly upon the bottom of 65 the vessel, a slight turn is given to the thread-guide, which is thus firmly secured in the vessel or holder A by the disk E being held under the flange D and rib C of the latter. When  
70 in this position, the transverse perforation G should be some distance below the upper edge of the vessel A, the upper edge of which must be smooth, so as not to cut or injure the thread.

The operation of the invention will be 75 readily understood. The device being secured upon the frame of a sewing-machine, the vessel A is nearly filled with water. The thread passes through the eye or perforation G under the water, and is thus moistened on its pas- 80 sage to the needle without possibility of being soiled or injured. The thread being thus practically both strengthened and lubricated, the machine may be run at a greatly increased rate of speed without danger of breaking the 85 thread.

I claim as my invention, and desire to secure by Letters Patent of the United States—

A thread-moistening attachment for sewing-machines, comprising a cup or vessel having 90 on its inner side a vertical flange extending nearly to the bottom, and an inwardly-projecting flange arranged near the bottom and diametrically opposite the said rib, in combination with a disk having a transversely per- 95 forated upright, and provided with a notch in one side, as and for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JANE NIXON.

Witnesses:

LYMAN D. MINOR,  
A. G. RICHARDS.