

F. R. BIGNOLD.

BADGE.

APPLICATION FILED OCT. 26, 1907.

Patented Nov. 10, 1908.

3 SHEETS—SHEET 1.

903,537.

Fig. 1.

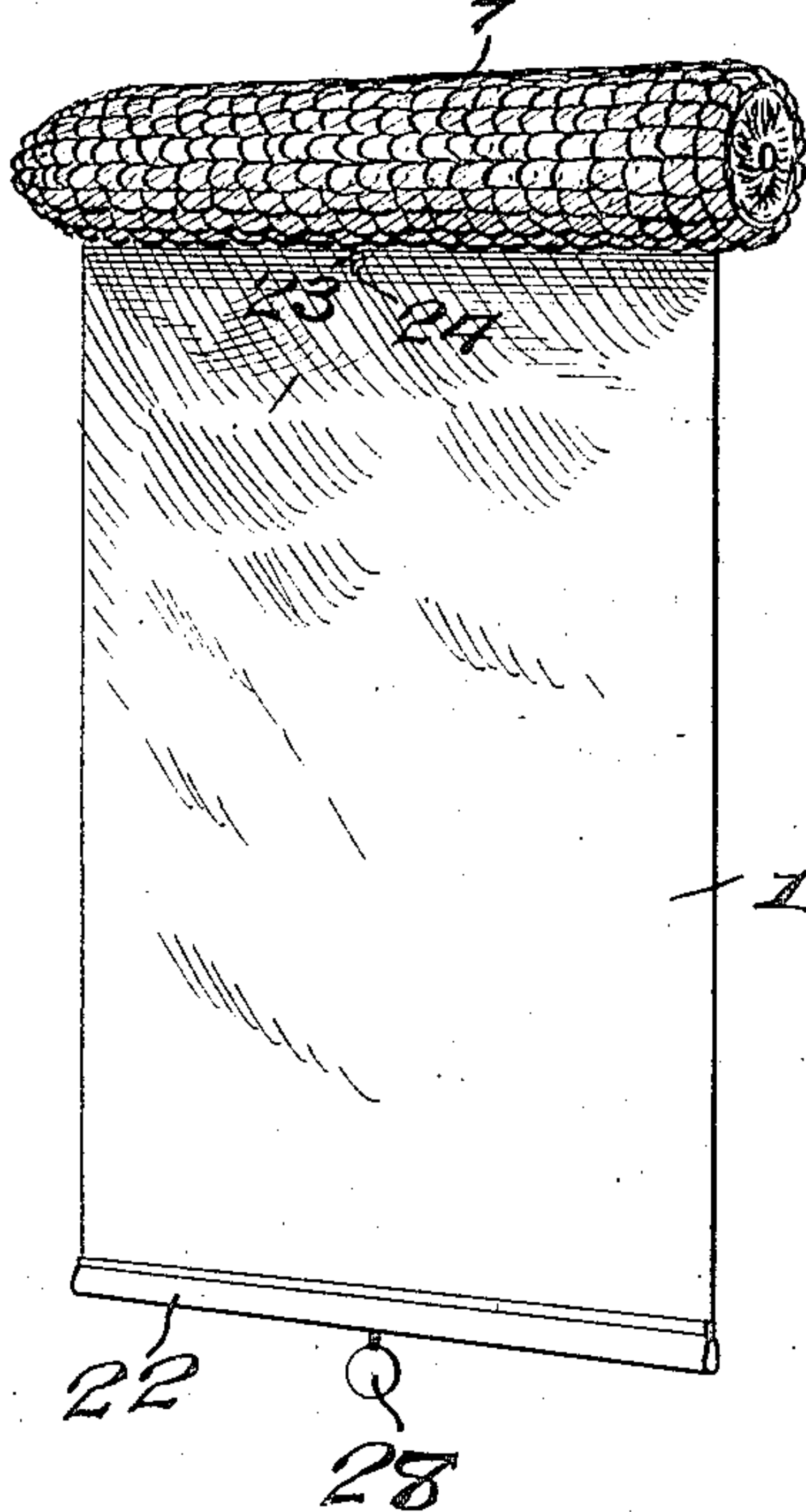


Fig. 2.

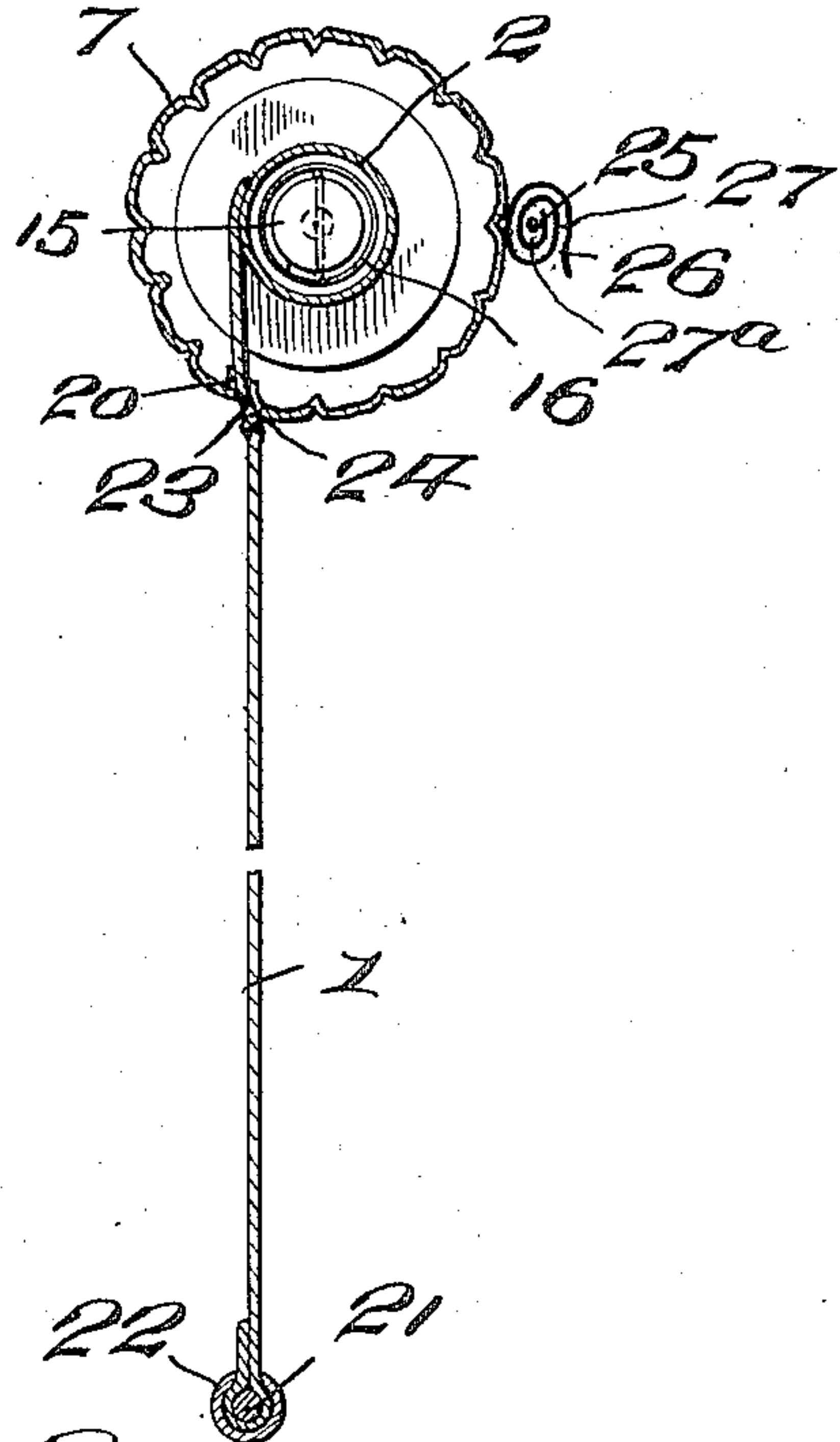


Fig. 3.

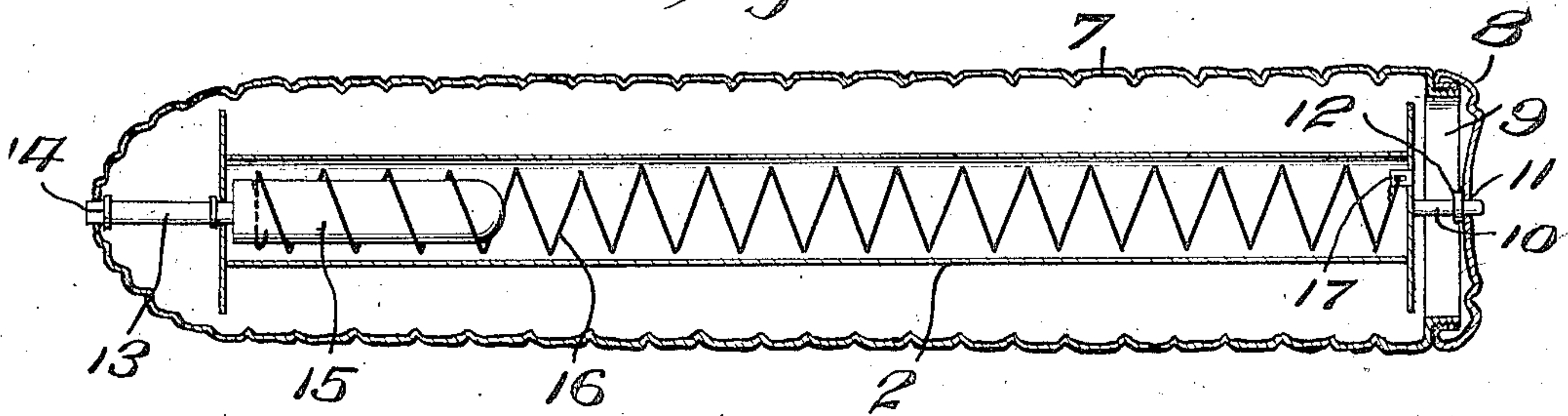
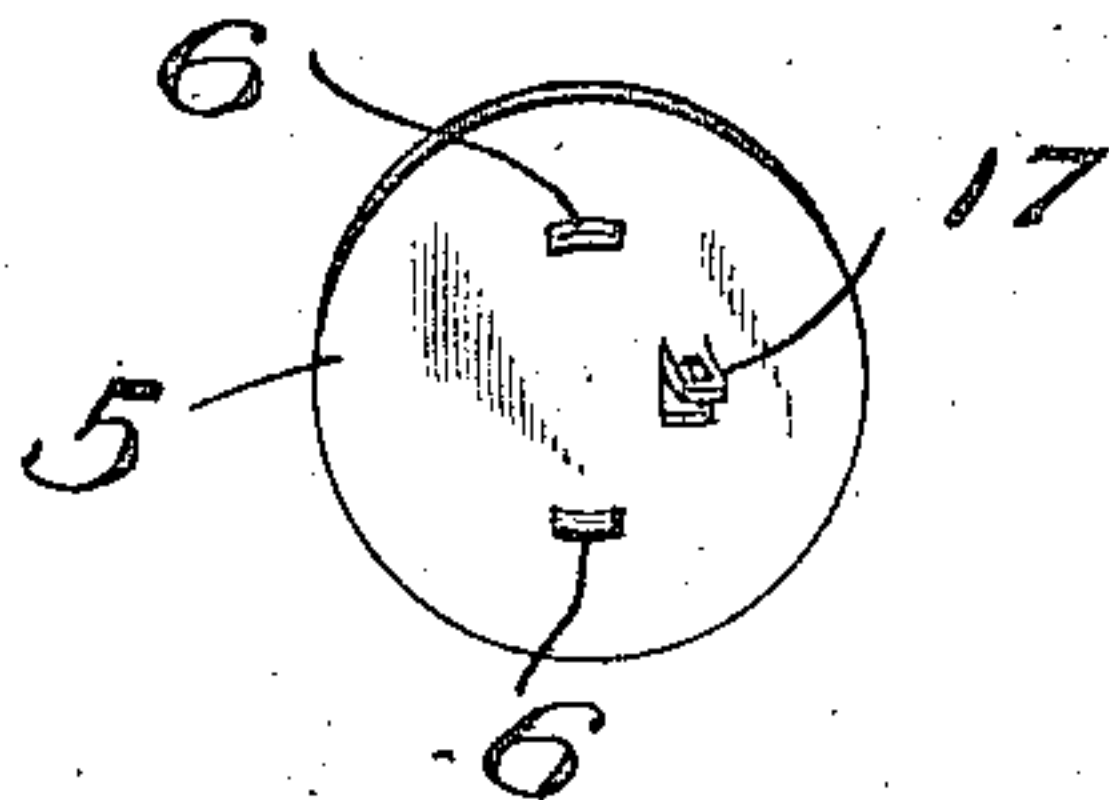


Fig. 7.



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3 SHEETS—SHEET 2.

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Fig. 4.

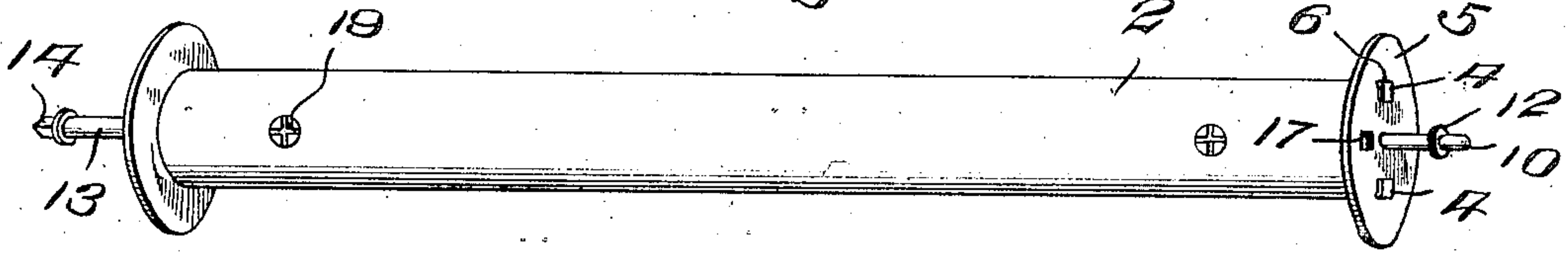


Fig. 5.

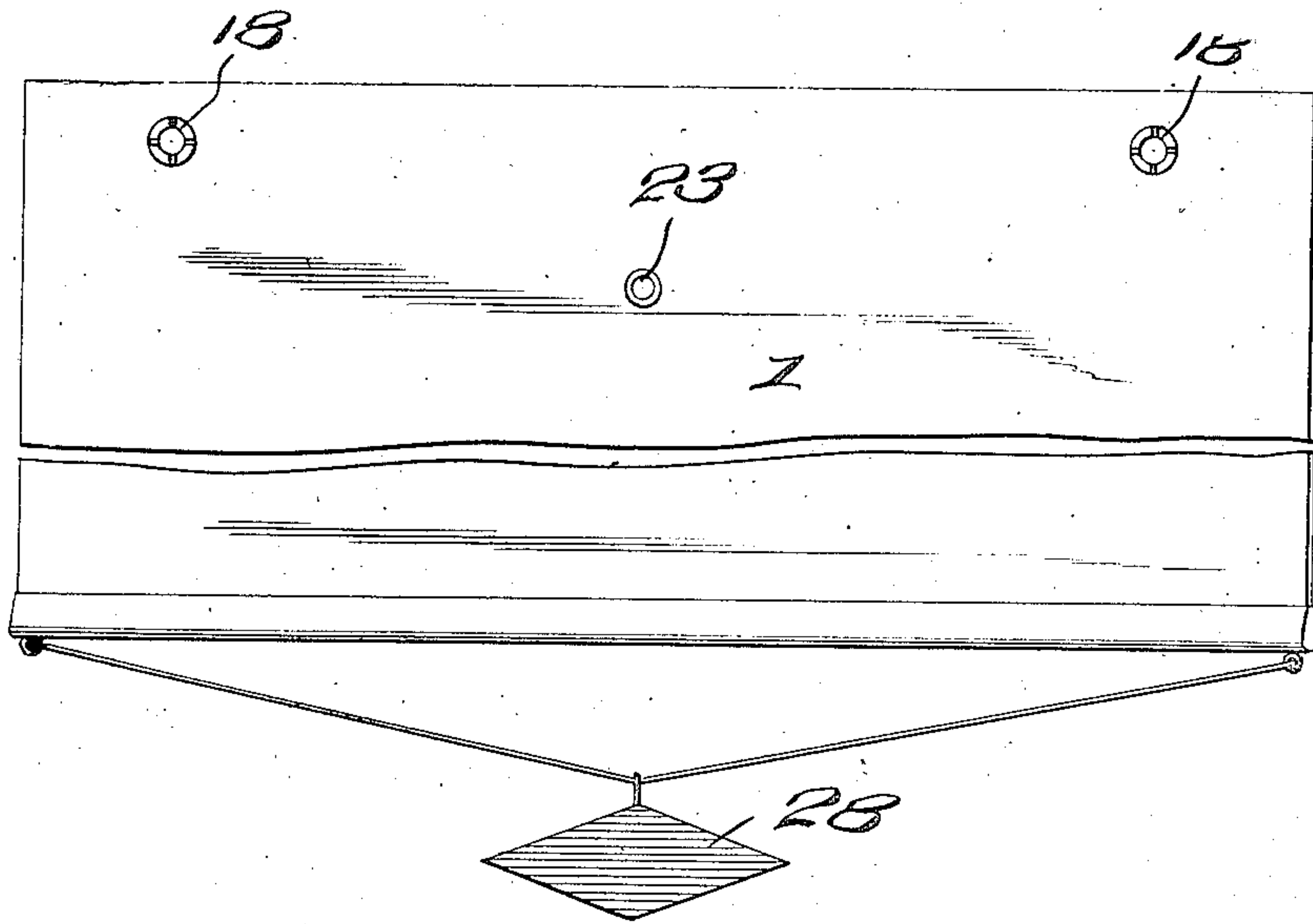
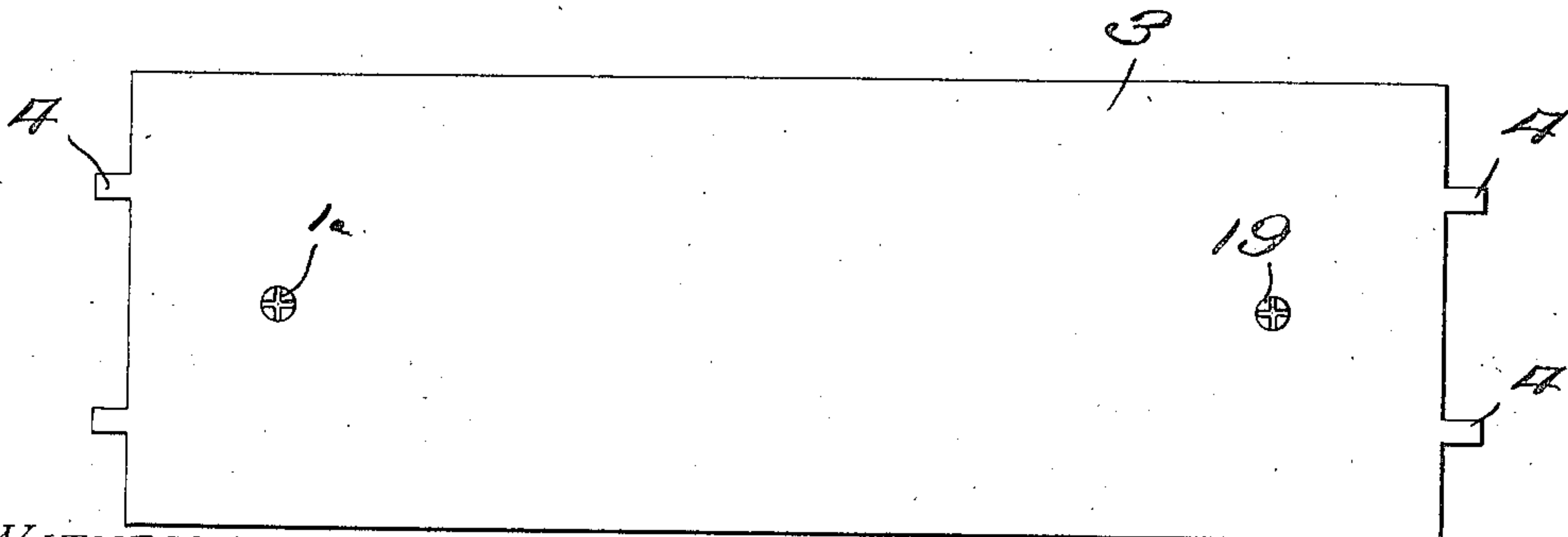


Fig. 6.



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3 SHEETS—SHEET 3.

903,537.

Fig. 8.

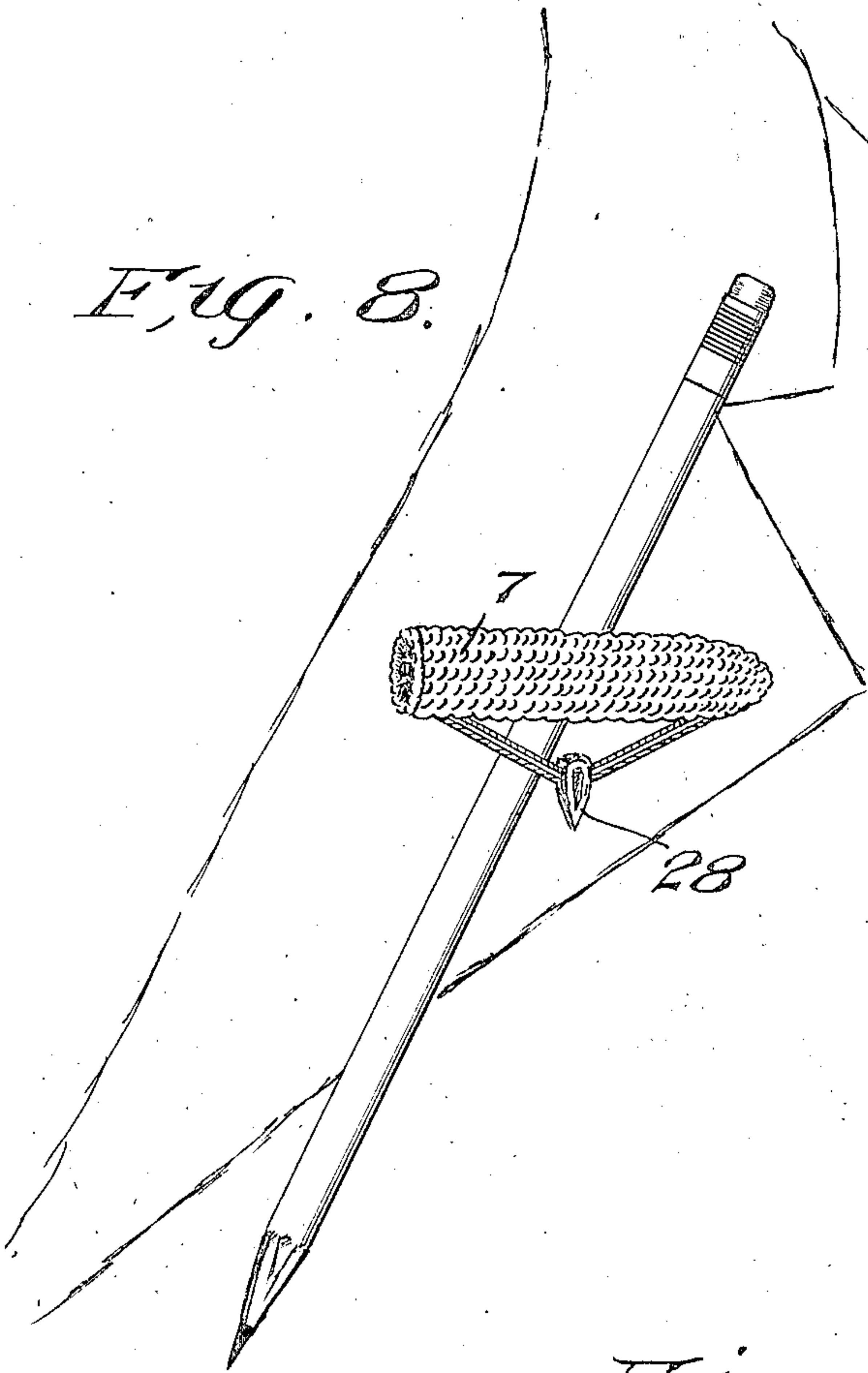


Fig. 10.

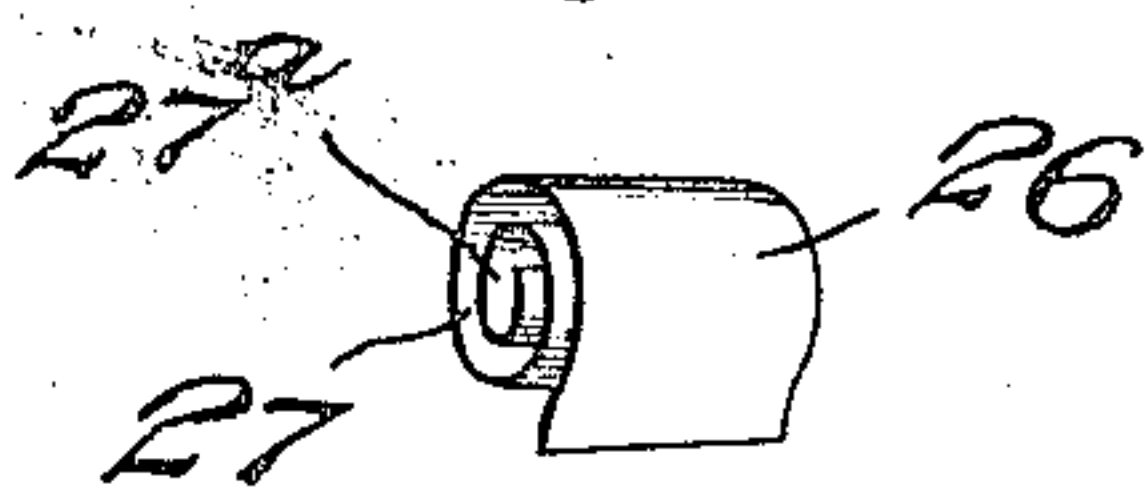


Fig. 11.

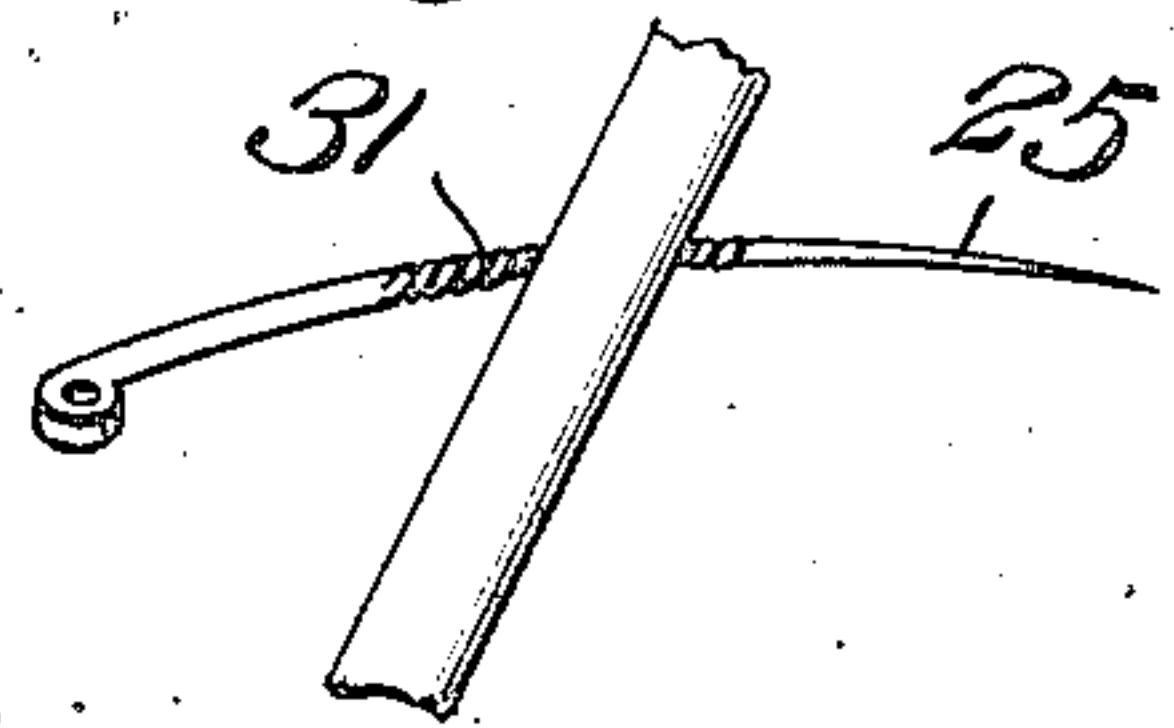


Fig. 9.

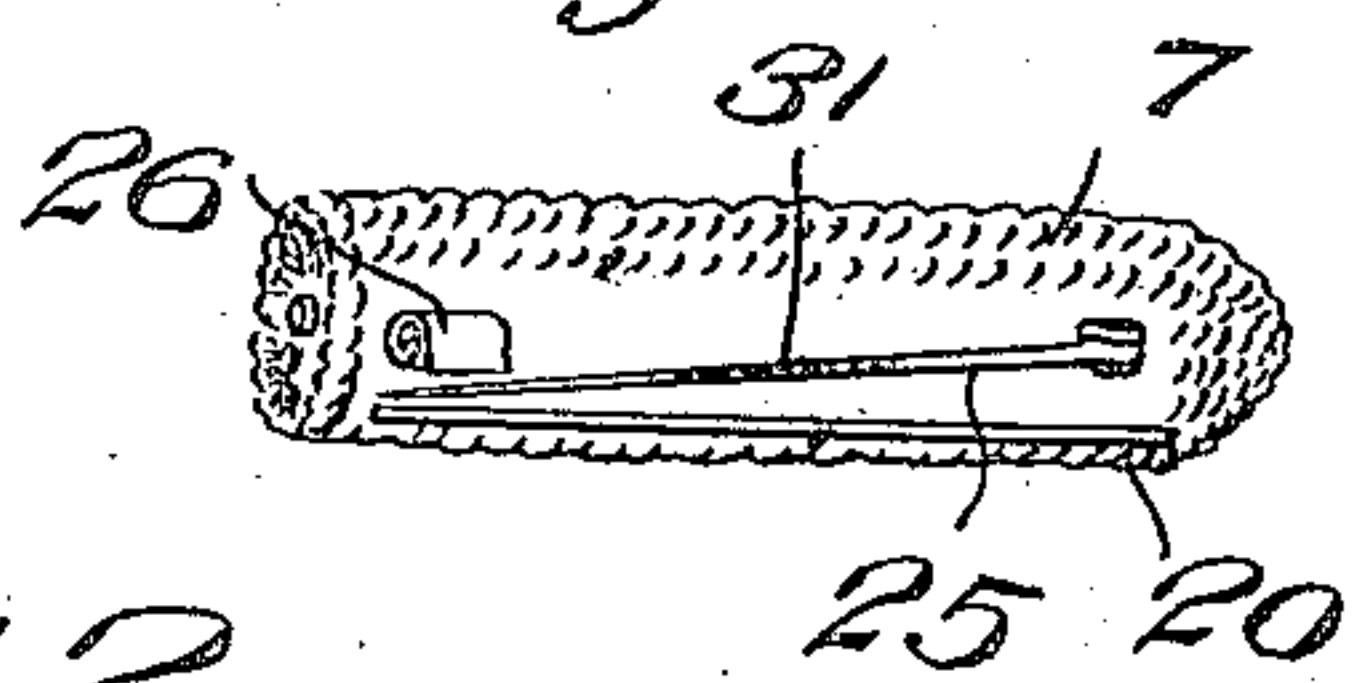
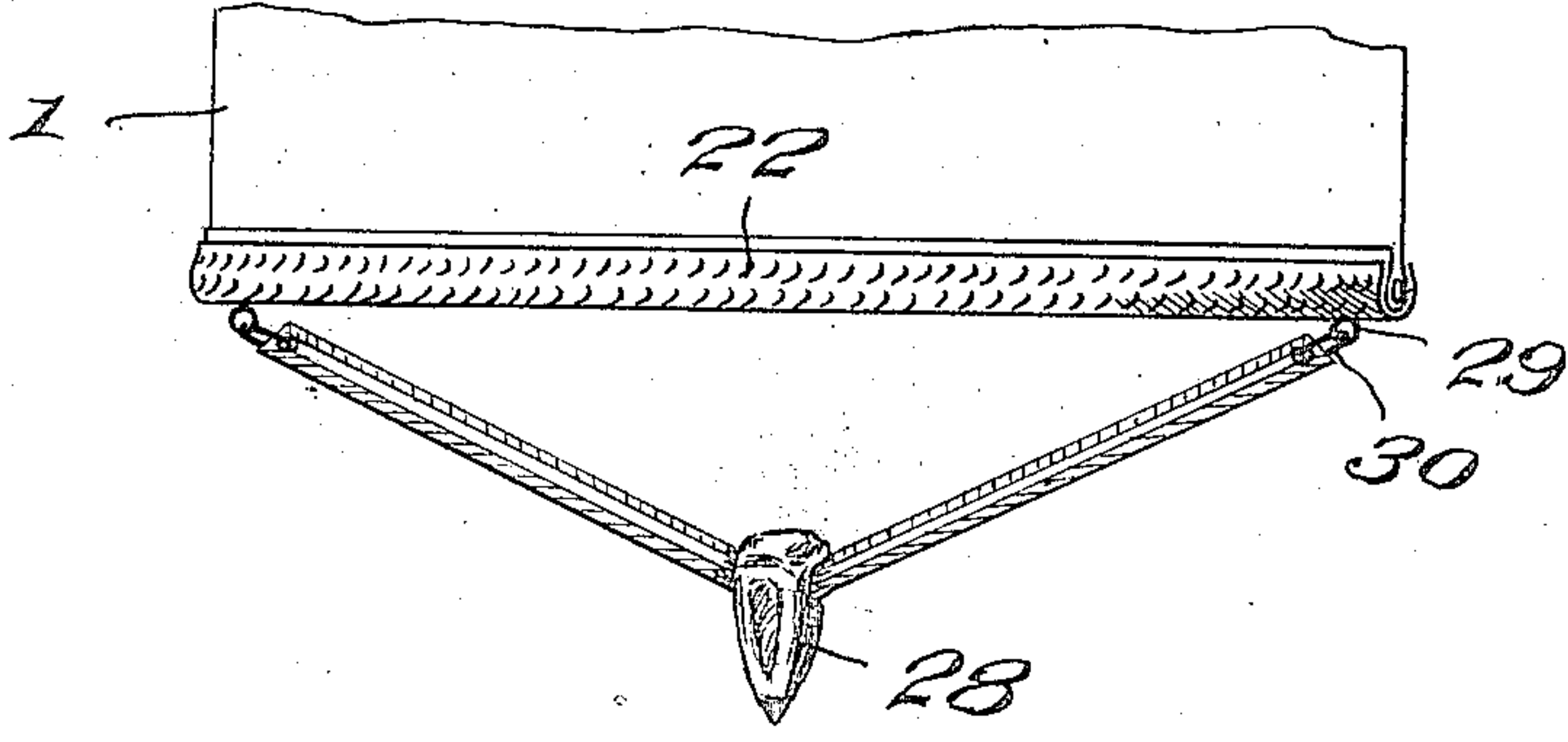


Fig. 12.



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# UNITED STATES PATENT OFFICE.

FREDERICK R. BIGNOLD, OF EWING, NEBRASKA.

## BADGE.

No. 903,537.

Specification of Letters Patent.

Patented Nov. 10, 1908.

Application filed October 26, 1907. Serial No. 399,320.

*To all whom it may concern:*

Be it known that I, FREDERICK R. BIGNOLD, a citizen of the United States, residing at Ewing, in the county of Holt and State of Nebraska, have invented certain new and useful Improvements in Badges; and I do hereby 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.

My invention relates to new and useful improvements in badges and my object is to provide a casing for the badge, whereby the same may be removed from view.

A further object is to provide means for winding the badge into the casing.

A still further object is to provide means for removably securing the badge to the winding mechanism, whereby the badge may be changed, when desired, and a still further object is to so construct the parts of the badge as to provide means for holding a pencil between the casing for the badge and the securing pin.

Other objects and advantages will be hereinafter referred to and more particularly pointed out in the claim.

In the accompanying drawings which are made a part of this application, Figure 1 is a perspective view of my improved badge complete. Fig. 2 is a transverse, sectional view therethrough on an enlarged scale. Fig. 3 is a longitudinal, sectional view through the casing and winding mechanism. Fig. 4 is a perspective view of the winding mechanism removed from the casing. Fig. 5 is a plan view of the badge, showing portions thereof broken away. Fig. 6 is a plan view of a blank employed for forming the winding spool for the badge. Fig. 7 is a perspective view of a portion of the winding spool. Fig. 8 is a diagrammatic view showing means for securing a pencil between the body of the casing and the securing pin. Fig. 9 is a perspective view of the reverse side of the casing. Fig. 10 is a perspective view of the keeper for the end of the securing pin. Fig. 11 is a perspective view of the securing pin removed from the casing, showing the position of the same when a

pencil is disposed between the securing pin and the casing, and, Fig. 12 is a perspective view of the lower end of the badge.

Referring to the drawings in which similar reference numerals designate corresponding parts throughout the several views, 1 indicates the badge proper, which is preferably constructed of cloth, or like material, and is secured at its upper end to a spool 2, the body 3 of said spool being formed from a sheet of metal, as shown in Fig. 6, and curved until the edges thereof meet, thereby forming the circular body, and in order to hold the meeting edges of the body together, the ends of said body are provided with integral tongues 4, which extend through circular disks 5 at the ends of the body, said tongues being extended through slots 6 in the disks 5 and are then bent inwardly and into engagement with the outer face of the disk, thereby securely locking the disks to the body, said disks forming flanges for the end of the body, to guide the badge onto the spool.

Surrounding the spool 2, is a casing 7, which is preferably constructed to represent an ear of corn, although said casing may be constructed in any preferred shape and in order to introduce the spool into the casing, a closure 8 is provided at one end of the casing, one edge of which is threaded and adapted to cooperate with a threaded flange 9 at the end of the casing, said flange being of sufficient diameter to allow the spool to be readily introduced into the casing. The disk at one end of the body 3 is provided with a stem 10, which is secured in any preferred manner to the central portion of the disk and is adapted to enter a bore 11 in the closure 8, the movement of said stem through the closure, being limited by means of a collar 12. The opposite end of the spool is supported by means of a shaft 13, which extends through an opening in the central portion of the disk at the opposite end of the spool, said shaft having a squared outer end 14, adapted to enter a similarly constructed opening in the closed end of the casing 7, so that said shaft will be held against rotation, the inner end of the shaft 13 being extended through the disk and provided with a drum



15, to which is secured one end of a coiled spring 16, the opposite end of said spring being secured to a finger 17, formed by striking out a portion of the disk at the opposite end of the body from that occupied by the drum, the end of the spring being secured to said finger in any preferred manner.

The badge 1 is provided with yielding sockets 18, which are adapted to engage yielding buttons 19 on the body 3, thereby removably securing the upper edge of the badge to the body, while the lower edge of the badge extends through a channel 20, in the lower face of the casing 7, and is prevented from being wound entirely into the casing by directing the extreme lower end of the badge around a bar 21 and securing the same thereon by means of a clamp 22, the bar and clamp being larger than the channel 20, so that when the badge is wound onto the spool 2, the inward movement of the badge will be stopped by the clamp and bar engaging the outer face of the casing 7.

The normal position of the spool is such as to hold the badge in a wound position thereon, so that when the badge is pulled out of the casing in order to exhibit the same, the tension of the spring 16 will be increased, so that as soon as the badge is released, the tension of the spring will cause the spool to rotate and re-wind the badge thereon and in order to hold the badge in an exposed position, said badge is provided with an eye 23, adjacent its upper end, which is adapted to engage a pin 24, formed at one edge of the channel 20, so that when the badge is pulled out of the casing, the eye may be moved into engagement with the pin and the badge held in its exposed position, until such time as it is desired to return the same to the casing, when the eye is released from the pin and the badge re-wound onto the spool by the tension of the spring 17.

The casing is secured to any part of the garment by the usual form of securing pin 25, one end of which is secured to the casing, while the opposite end thereof is pointed and adapted to engage a hook 26 on the casing. The hook is secured to the casing in any preferred manner, preferably by soldering, the lower end of the hook below its attachment to the casing being bent or loosely rolled, so that the point of the pin in engaging the hook will travel in a circuitous path to reach the inner fold of the hook and the upper end of the hook is curved downwardly and outwardly, whereby the end of the pin may be readily entered into the rolled portion of the hook and said hook is made of considerable length, so that the end of the pin will not become disengaged therefrom, when the pin is sprung or bowed outwardly.

In entering the end of the pin 25 into the hook 26, said end is introduced into the path-way 27, formed by the lower end of the hook and the curved upper end thereof, the end of the pin being given a circular movement until it reaches and is seated in the recess 27<sup>a</sup> at the center of the rolled portion and it will be readily seen that when the end of the pin is thus seated, the same cannot become casually disengaged from the hook.

The badge may be readily removed from the casing by securing to the clamp 22 any suitable form of emblem or pendant 28, or, if preferred, a cord or ribbon may be secured to the clamp and when such is the case, an eye 29 is located adjacent each end of the clamp, to which the cord or ribbon is secured and when a ribbon is employed, as best shown in Fig. 12, links 30 are introduced through the eyes and adjacent ends of the ribbon.

In conjunction with employing the casing for holding the badge, the same may be employed for holding a lead pencil or similar article and when so employed, the pencil is introduced between the casing and the pin 25, it being understood that said pin is preferably constructed of spring steel so that it will bend sufficiently to allow the pencil to be introduced between the pin and casing and in view of the roughened surface of the casing and by providing the pin 25 with a twisted portion 31 at its longitudinal center, the pencil will be securely gripped and prevented from slipping out of position.

When the device is being used for holding a pencil or similar article, the ends only of the pin are introduced through the cloth, thereby leaving the central portion of the pin uncovered, whereby the twisted portion thereof will readily engage the pencil as well as force the same into engagement with the roughened surface of the casing whereby the pencil will be securely held in position between the casing and pin.

These badges may be used for various purposes, such as campaigns, advertising, brooches, or the like, the badges having pictures or other subjects thereon.

These badges may be very cheaply constructed and readily secured to parts of the garment and by forming the casing of metal, glass, amber, or similar material, the badge will be thoroughly protected when not in use and it will also be seen that said badge may be quickly exposed or removed from view, as desired. It will likewise be seen that when the badge is being worn, it may be used for holding pencils, or like articles.

What I claim is:

The combination with a badge; of a body,



means to removably secure the badge to the  
body, a disk at each end of said body, hav-  
ing slots therein, tongues at the ends of said  
body, adapted to enter said slots to secure  
5 the disks to the body, said body and disks  
forming a spool, a casing for said spool, a  
removable closure for one end of said casing,  
means to rotatably mount said spool in the  
casing and a spring in said spool, adapted to

rotate the spool in one direction and wind 10  
the badge on the spool.

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

FREDERICK R. BIGNOLD.

Witnesses:

I. D. McCLOW,  
S. W. BRIAN, Jr.