C. FREBE.

UMBRELLA ATTACHMENT.

APPLICATION FILED APR. 9, 1907.

920,314. Patented May 4, 1909.

Fig. 1.

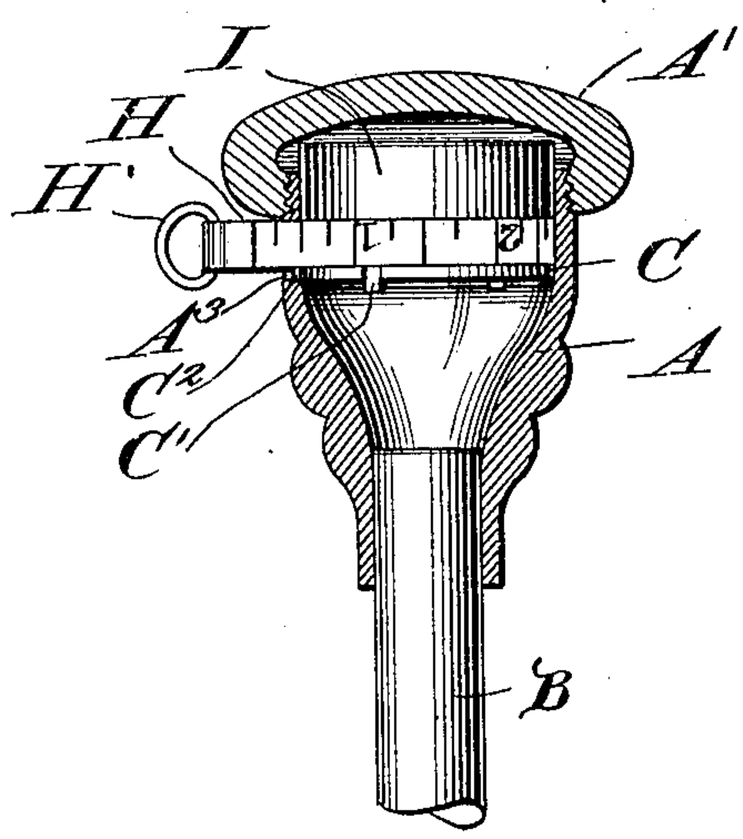


Fig. 2.

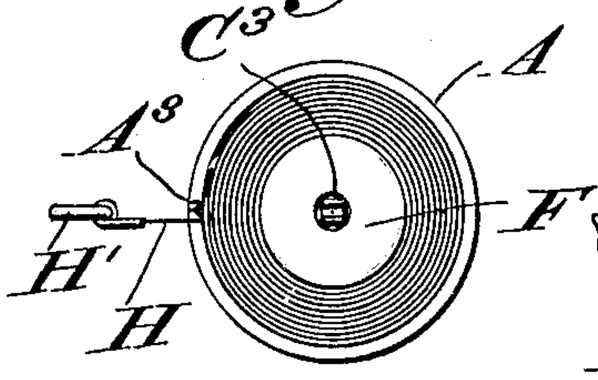


Fig. 6.

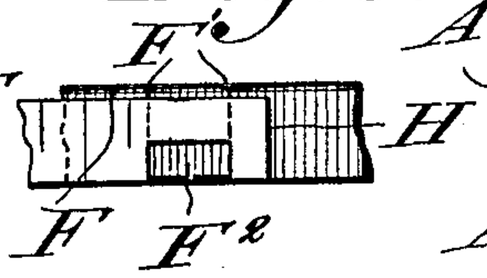


Fig. 3.

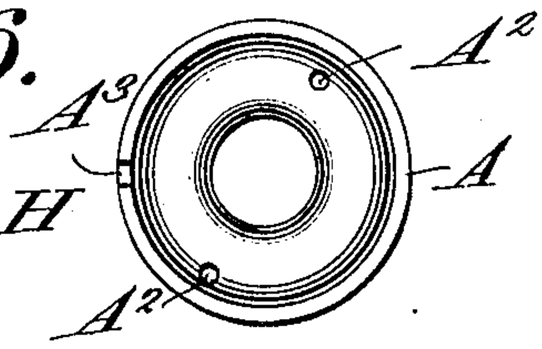


Fig. 4.

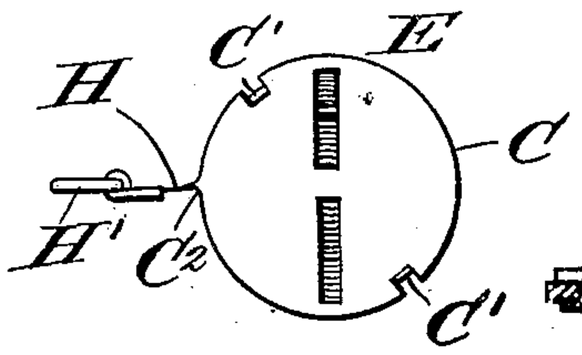


Fig. 7.

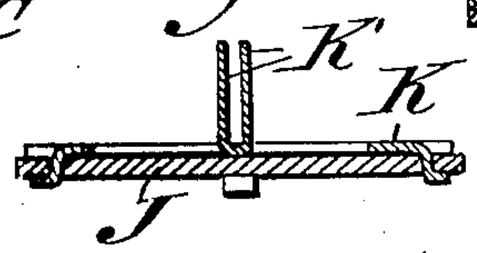
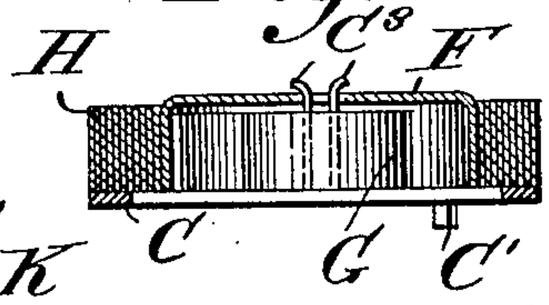


Fig. 5.



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UMBRELLA ATTACHMENT.

No. 920,314. Specification of Letters Patent. Patented May 4, 1909.

Application filed April 9, 1907. Serial No. 367,175.

To all whom it may concern:

Be it known that I, CHRISTIAN FREBE, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Umbrella Attachments, of which the following is a specification.

This invention relates to umbrella and cane attachments, and more particularly to tape measure attachments for the same, the object being to provide a handle with a tape measure which can be readily drawn from the handle and one which will be retracted when released.

Another object of my invention is to provide very novel means for securing the tape measure in the handle so that it can be readily detached when desired.

With these and other objects in view, the invention consists in the novel features of construction combination and arrangement of parts, hereinafter fully described and pointed out in the claims.

In the drawing forming a part of this specification:—Figure 1 is a vertical sectional view through a handle showing the tape measure arranged therein. Fig. 2 is a top plan view of the tape measure secured in the handle. Fig. 3 is a top plan view of the handle with the cap removed showing the sockets and slot. Fig. 4 is an inverted plan view of the tape measure. Fig. 5 is a transverse sectional view through the measure. Fig. 6 is a detail view of the drum showing the manner of connecting the tape. Fig. 7 is a transverse sectional view through a modified form of supporting disk.

In the drawing A indicates a hollow handle having a reduced neck portion, in which the stick B, of an umbrella or cane is adapted to be secured in the ordinary manner. The upper end of the handle is externally threaded on which is secured a cap A′. A slot A^3 is formed in one end of the handle for the purpose hereinafter fully described. Oppositely disposed recesses A^2 forming sockets, are formed in the annular shoulders formed by the contracted neck, in which are mounted the oppositely disposed lugs C′ of a disk C, forming the base of my improved tape measure E. A lug C^2 projects out from the disk C which extends into the slot A^3. The disk is provided with spaced parallel slots connected at their outer ends forming tongues C^3 which are bent upwardly to form a pintle on which is mounted a flanged disk F forming a hollow drum. The ends of tongues being bent apart so as to securely lock the drum thereon.

A helical spring G is arranged in the drum around the pintle, having its inner end secured between the tongues and its outer end secured in one of the spaced vertical slots F′, formed in the flange of the drum F. The slots forming a tongue F^2 which is adapted to be forced through the end of a measuring tape H so as to securely fasten the end of the tape to the drum, on which it is wound. The end of the tape extends out through a vertical slot A^3 formed in the handle and is provided with a ring H′, at its end, so that it can be readily pulled out and to prevent the end of the tape from slipping into the handle through the slot.

A wooden plug I is arranged in the handle and bears against the ends of the tongues C^3 of the disk so as to securely hold the lugs of the disk in the sockets.

In the modification shown in Fig. 7, the disk J is provided with oppositely disposed openings in which are secured the depending lugs of a disk K, which is provided with tongues K′ forming the pintle on which the drum revolves.

From the foregoing description it will be readily seen that I have provided a very novel tape measure which is very simple and cheap in construction and one which can be easily and quickly placed in the handle.

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

1. The combination with a hollow handle having a reduced neck portion carrying a stick, said handle having internal oppositely disposed recesses forming sockets, a disk provided with oppositely disposed lugs seated in said sockets, tongues punched upwardly centrally from said disk, a flanged disk mounted on said tongues, the edge of which rests upon the first mentioned disk, a spring arranged within the flanged disk around said tongue having its inner end secured between the tongues, and its outer end secured to the flanged disk, a tape measure wound upon the disk extending out through an opening formed in the handle, a plug arranged over the disk on the upper ends of the tongues and a cap adapted to be

screwed on the opened end of said handle against said plug, for holding said disk in position.

2. The combination with a hollow handle provided with an annular interior shoulder having sockets formed therein, of a tape measure holder provided with lugs fitting in said sockets and means for holding said lugs in said sockets.

3. The combination with a hollow handle having an interior shoulder provided with sockets, of a tape measure holder provided with lugs fitting in said sockets, and a plug arranged in said handle bearing against said measure holder.

4. The combination with a hollow handle provided with sockets, of a disk provided with oppositely disposed lugs arranged in said sockets, and a spring actuated drum mounted on said disk carrying a tape.

5. The combination with a slotted hollow handle provided with an interior annular shoulder provided with oppositely disposed sockets, of a disk arranged in said handle provided with oppositely disposed lugs fitting in said sockets, tongues punched upwardly from said disk, a flanged disk mounted on said tongues, a helical spring arranged in said disk having one end connected to the flange of the drum and the other end to said tongues, a tongue formed in the flange of the disk, a tape secured on said tongue extending out through the slot of the handle and a plug arranged in said handle bearing against said tongues.

6. The combination with a hollow handle provided with sockets, of a disk arranged in said handle provided with lugs fitting in said sockets, a pintle pin carried by the disk, a spring actuated drum mounted on said pintle pin and a tape arranged in the drum for the purpose set forth.

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