April 22, 1941. V. F. GRAHAM, SR 2,239,226

CROCHET COTTON BALL HOLDER

Filed May 17, 1939

Fig. 1.

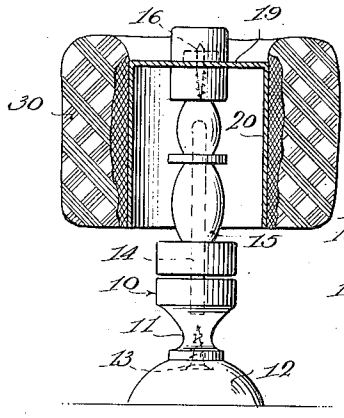


Fig. 2.

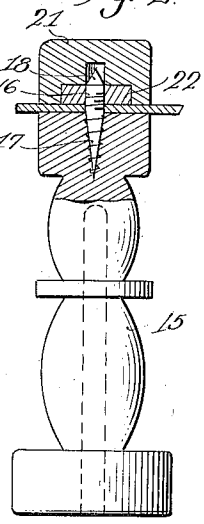


Fig. 3.

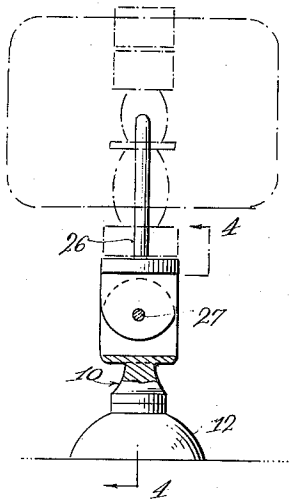


Fig. 4.

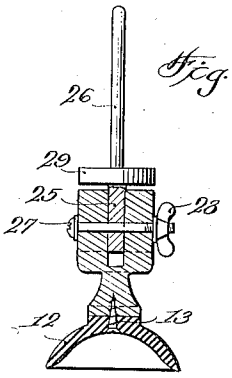


Fig. 5.

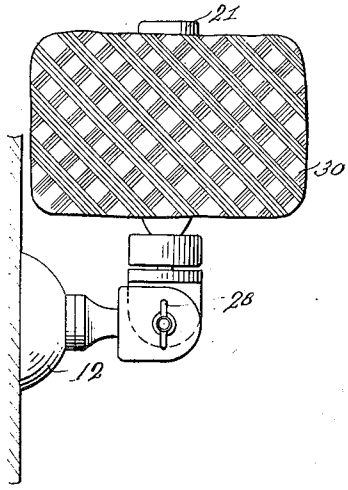


Fig. 7.

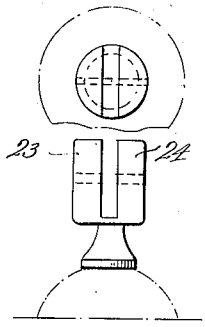


Fig. 6.

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Patented Apr. 22, 1941

2,239,226

UNITED STATES PATENT OFFICE

2,239,226

CROCHET COTTON BALL HOLDER

Vernon F. Graham, Sr., Chester, Pa.

Application May 17, 1939, Serial No. 274,264

3 Claims. (Cl. 242—130)

My invention relates to new and useful improvements in holding devices for spools.

An important object of my invention is to provide a device for holding spools of crochet cotton, or the like, that may be easily and conveniently attached to any plain surface.

Another object of my invention is to provide a device for holding spools that will not mar or scratch the surface to which it is attached.

Still another object of my invention is to provide a device for holding spools that will prevent the thread from twisting and knotting as it is unwound from the spool.

Yet another object of my invention is to provide a device for holding spools that is adjustable in its nature to permit the spool to be retained in a vertical position regardless of the degree of inclination of the plain surface to which the device is attached.

A further object of my invention is to provide a device for holding spools that includes novel means to prevent the accidental displacement of the spool therefrom.

A still further object of my invention is to provide a device for holding spools that is simple in construction, efficient in operation and inexpensive to manufacture.

Other objects and advantages of my invention will be apparent during the course of the following description.

In the drawing, forming a part of this specification, and in which like numerals are employed to designate like parts throughout the same,

Figure 1 is a side elevation of a device embodying my invention, and showing parts broken away,

Figure 2 is a side elevation, showing parts in section, of a spindle and cap therefor embodying a part of my invention,

Figure 3 is a side elevation of a modification of the supporting base,

Figure 4 is a vertical sectional view, taken on the line 4—4 of Figure 3,

Figure 5 is a side elevation of the modified form of my invention, and showing the same attached to a supporting surface,

Figure 6 is a side elevation of the base portion of the modified form of the invention, and

Figure 7 is a top plan view thereof.

In the accompanying drawing, wherein for the purpose of illustration, is shown a preferred embodiment of my invention, the numeral 10 designates a cylindrical base having a constricted lower portion 11 to which the suction cup 12 is attached by the screw 13, or the like. A vertical gudgeon 14 extends upwardly from the base member 10 and rotatably receives the spindle 15. The stud bolt 16 has the end 17 thereof threadedly received in the upper end of the spindle and the upper end 18 of the said bolt is pointed to pierce the transverse wall 19 of the spool 20. The retaining cap 21 has the nut 22 imbedded therein to threadedly receive the stud bolt 16 and to hold the said cap in superimposed relation to the wall 19 of the spool.

In the form of my invention as illustrated in Figures 3 to 7, the base member 10 is formed with bifurcations 23 and 24 which embrace the depending tongue 25 of the supporting gudgeon 26. The bolt 27 extends transversely through the bifurcations 23 and 24 and the tongue 25 to hold the same in pivotal relation and the wing nut 28 is threaded thereon in appressed relation with the bifurcation 24 to hold the gudgeon 26 in the desired pivotal position. The supporting gudgeon 26 is formed with an integral disk shaped base 29 which supports the spindle 15 rotatably carried by the gudgeon 26.

In the first form of the invention the device may be detachably secured to a horizontal surface by the suction cup 12 and the thread, yarn, or the like 30 may be unwound therefrom without danger of displacing the support.

It may be seen that when the retaining cap 21 is removed from the stud bolt 16, the transverse end wall 19 of the spool may be easily pierced by the pointed end 18 thereof and that when the cap 21 is threadedly received by the stud bolt in superimposed relation to the end wall 19, the spool will be securely held thereby and that as the thread is unwound from the spool the spindle 15 will freely rotate on the gudgeon 14.

In the modified form of the invention the suction cup 12 may be secured to any surface regardless of the inclination of the same. This surface may be the arm or leg of a chair in which the person is sitting, a table or wall near the chair or any supporting surface in close proximity to the user. The pivotal connection of the gudgeon 26 with the base will permit the said gudgeon to be retained in a vertical position at all times to prevent the spindle 15 from being accidentally detached therefrom.

It is to be understood that the form of my invention, herewith shown and described, is to be taken as a preferred example of the same, and that various changes in the size, shape and arrangement of parts may be resorted to with-

out departing from the spirit of my invention, or the scope of the appended claims.

Having thus described my invention, I claim:

1. A holder for a spool having a transverse end wall comprising a base having a gudgeon, a spindle rotatably mounted on the said gudgeon and having an upstanding threaded shank the distal end of which is pointed to pierce the transverse wall of the spool, and a spool securing cap threadedly received by the last-mentioned shank and adapted to be moved into pressed superimposed relation with the transverse wall of the said spool to hold the same clamped to the spindle.

2. A holder for a spool having a transverse end wall comprising a base, a gudgeon pivotally mounted on the said base, a spindle rotatably carried by the gudgeon and having an upstanding threaded shank the distal end of which is pointed to pierce the transverse wall of the spool, and a spool securing cap threadedly received by the last-mentioned shank and adapted to be moved into pressed superimposed relation with the transverse wall of the said spool to hold the same clamped to the spindle.

3. A holder for a spool having a transverse end wall comprising a base, a gudgeon pivotally mounted on the said base, means to hold the gudgeon in a selected pivoted position, a spindle rotatably carried by the gudgeon and having an upstanding threaded shank the distal end of which is pointed to pierce the transverse wall of the spool, and a spool securing cap threadedly received by the last-mentioned shank and adapted to be moved into pressed superimposed relation with the transverse wall of the said spool to hold the same securely associated with the said spindle.

VERNON F. GRAHAM, SR.