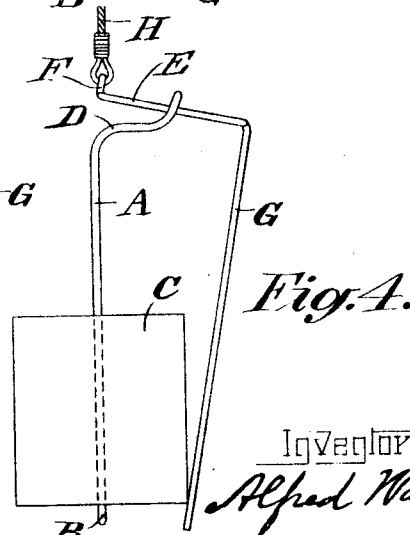
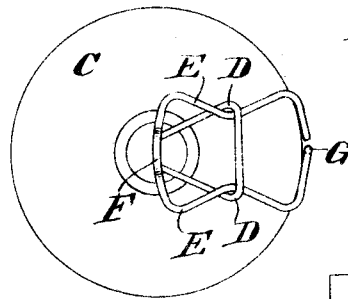
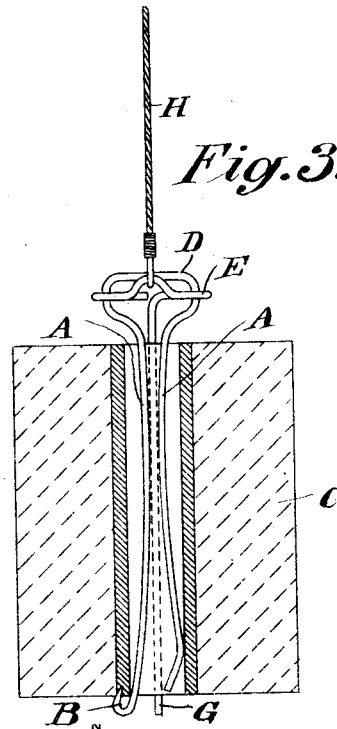
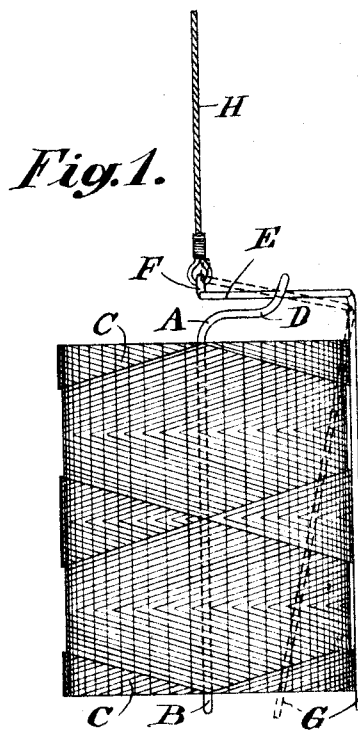


1,034,939.

Patented Aug. 6, 1912.
 2 SHEETS-SHEET 1.



Witnesses

Mary H. Farr

Geo. E. Evans

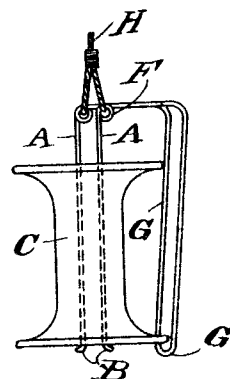
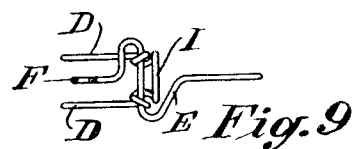
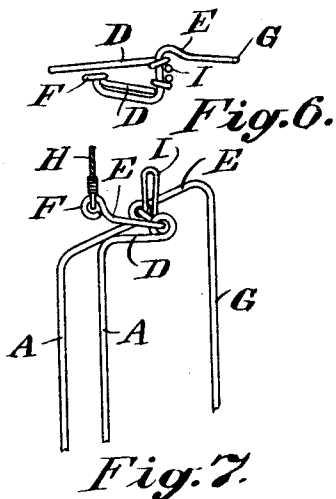
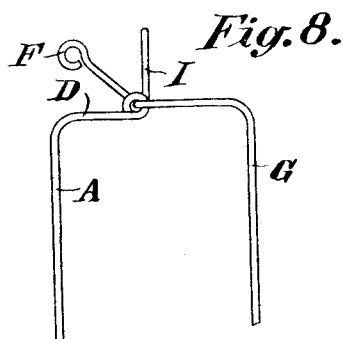
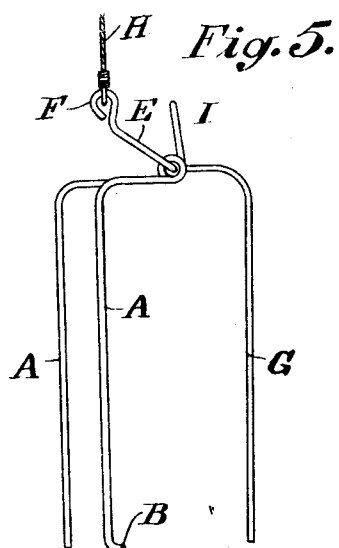
In Witness

Alfred Walker

By Sturtevant & Mason

Attorn

1,034,939



Witnesses

Mary H. Farr
 Geo. H. Evans

Inventor

Alfred Walker
 by Sturtevant & Mason
 Attorneys

UNITED STATES PATENT OFFICE.

ALFRED WALKER, OF HUXTON, NEAR LIVERPOOL, ENGLAND.

STRING-HOLDER.

1,034,939.

Specification of Letters Patent.

Patented Aug. 6, 1912.

Application filed August 24, 1911. Serial No. 645,792.

To all whom it may concern:

Be it known that I, ALFRED WALKER, a subject of the King of Great Britain, residing in Huxton, near Liverpool, in the county of Palatine of Lancaster, in the Kingdom of England, have invented certain new and useful Improvements in String-Holders, of which the following is a specification.

My invention relates to string holders for holding reels or bobbins of string or it may be cotton in such manner that while lengths may be readily pulled off as required, directly the pull on the string stops there is no tendency for it to go on unwinding.

According to my invention which is especially intended for use by packers and others rapidly using a large quantity of string, the reel or bobbin of string hereinafter termed the reel is suspended overhead, and the free length hangs down near at hand, and it is important to observe that the reel does not revolve when a length is pulled off from it.

In the accompanying drawings:—Figure 1 is an elevation showing the device; Fig. 2 is a plan view; Fig. 3 is a sectional elevation at right angles to Fig. 1; Fig. 4 is a similar view to Fig. 1 but showing a smaller reel; Figs. 5, 6 and 7 show a modification; and Figs. 8 and 9 show a further modification; Fig. 10 shows a still further modification.

Like letters indicate corresponding parts where they occur.

Referring first to Figs. 1, 2, 3 and 4, it will be seen that as illustrated the holder is made of wire, and consists of two parts, one of which I term the fixed part and the other the movable part. The fixed part comprises a pair of arms A which tend to spring apart and which support the reel C by means of projections B which may be on one or both of said arms. To attach a new reel the arms are pinched together and an empty reel may be withdrawn in obvious manner. The top of the fixed piece is broadened out as shown at D.

The movable piece comprises an indented frame E which pivotally meshes with the top of the fixed piece as clearly shown in Figs. 2 and 3. It has an eye F by means of which the holder is suspended and it has also what I term a scotching arm G. This scotching arm G bears against the lower edge of the reel C and while allowing the

string to be pulled off without any deleterious friction, still it prevents the weight of the hanging string of itself causing further unwinding.

H shows a cord by means of which the holder may be hung up.

As the reel becomes smaller and smaller the scotching arm follows its lower edge as shown in dotted lines in Fig. 1.

Of course if the string is wound on a bobbin with flanges the scotching arm will rest against the lower flange thereof.

Referring now more particularly to Figs. 5, 6 and 7, a construction is there shown wherein instead of the fixed piece and the movable piece being merely linked together the joint is made by wrapping the wire of which the fixed piece is made around a transverse part of the movable piece. The fixed piece also has a projection I which may serve to carry a ticket or label or advertising matter.

In Figs. 8 and 9 I illustrate another way in which the joint between the fixed and movable pieces may be made.

It will be seen that in the above examples the weight of the reel tends to close the scotching arm against the lower edge.

Referring now more particularly to Fig. 10 in this example instead of having two separate pieces and letting the weight tend to close the scotching arm against the end of the reel I make the holder in one piece and the scotching arm is pressed against the reel edge by spring pressure.

I declare that what I claim is:—

1. In a string holder, the combination of a member adapted to pass through and to support a reel of string, and a second member pivoting upon the first member, said second member having an arm extending one way from the pivot point, and lying against the outside of the reel of string, and a second arm extending the other way from the pivot point and having means for suspending the whole device.

2. In a string holder, the combination of a forked member the parts of which are adapted to expand when free, and to support a reel of string, a second member pivotally connected to said forked member and having two arms, one adapted to engage with the reel of string from the outside thereof, and the other having means for suspending the whole device therefrom.

3. In a string holder, the combination of

a forked member the arms of which are adapted to expand and one arm of which has a projection on the end thereof whereby a reel of string can be supported after the
5 said arms have been compressed and passed through the reel, a second member pivotally connected with the first member at the upper end thereof, said second member having a downwardly extending arm which ex-
10 tends outside the reel of string and is adapted to be pressed against the bottom edge thereof, and having also an arm ex-

tending in the opposite direction from the pivot, the latter arm being adapted to act as a support for the whole device. 15

In witness whereof, I have hereunto signed my name this 15th day of August 1911, in the presence of two subscribing witnesses.

ALFRED WALKER.

Witnesses:

RICHARD L. CLEAVER,

THOMAS S. SHILLINGTON.