R. FRASER.

SPOOL HOLDER.

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1,112,692.

Patented Oct. 6, 1914.

FIG. 1.

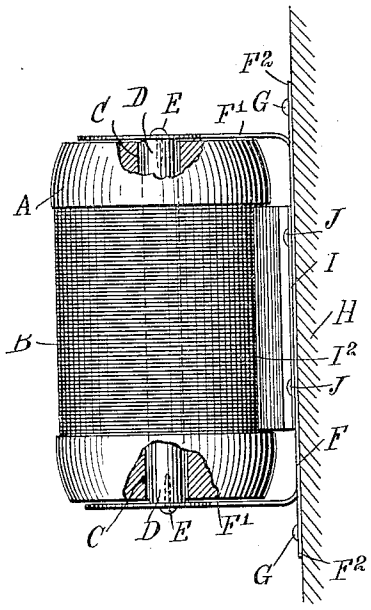
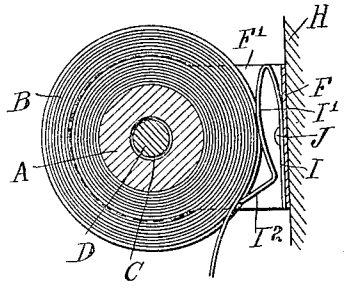


FIG. 2.



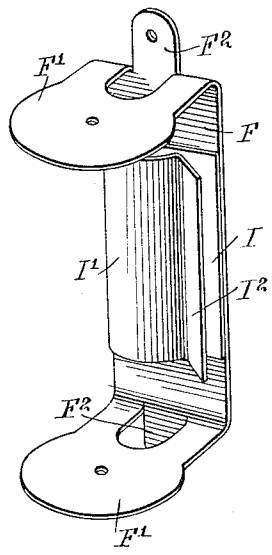


FIG. 3.

WITNESSES

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SPOOL-HOLDER.

1,112,692. Specification of Letters Patent. **Patented Oct. 6, 1914.**

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To all whom it may concern:

Be it known that I, RUSSELL FRASER, a citizen of the United States, and a resident of East Hampton, in the county of Suffolk and State of New York, have invented a new and Improved Spool-Holder, of which the following is a full, clear, and exact description.

The invention relates to supports for holding spools, and its object is to provide a new and improved spool holder arranged for convenient attachment to a wall, bench or other support, to allow convenient unwinding of the wire from the spool in length as needed, and to hold the wire on the spool against tangling up.

In order to accomplish the desired result use is made of a pin on which the spool is mounted to turn, the ends of the pin being attached to angular lugs extending from a flat bearing plate provided with attaching flanges for screwing the bearing plate to a wall, bench or other support, the said attaching flanges projecting beyond the said angular lugs. Use is also made of a wire retainer of spring metal and attached to the bearing plate, the retainer having a doubled-up portion terminating in an angular flange bearing on the outermost layer of the wire on the spool.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side elevation of the spool holder as attached to a vertical support, parts being shown in section; Fig. 2 is a sectional plan view of the same; and Fig. 3 is a perspective view of the bearing plate and wire retainer.

The spool A on which the wire B is wound is preferably made of wood and is provided with a central bore C through which extends a pin D on which the spool A is mounted to rotate. The ends of the pin D project slightly beyond the ends of the spool A, and the said ends of the pin are attached by nails E or other fastening devices to angular lugs F′ extending from the ends of a bearing plate F provided with attaching flanges F^2 fastened by nails G to a wall, bench or other support H, either in horizontal or vertical position, as desired by the user. The attaching flanges F^2 are struck up from the material of the lugs F′ and the said flanges project beyond the lugs F′ so as to permit the user to conveniently drive the nails G through the said flanges into the support H.

In order to hold the wire B against accidental unwinding use is made of a wire retainer I, preferably of spring metal, and attached by rivets J or other means to the face of the bearing plate F opposite the wire B. The retainer I is provided with a doubled-up portion I′ terminating in an angular flange I^2 bearing with its free edge on the outermost layer of wire B on the spool A, it being understood that the said flange I^2 is of a length to engage all the outermost convolutions of the wire B between the heads of the spool A, as will be readily understood by reference to Fig. 1. By the arrangement described the end convolutions of the wire are not liable to accidentally unwind, and the convolutions of the wire are held one alongside the other, and the user of the wire can readily take hold of the outer end of the wire and pull on the same so as to unwind a desired length of wire by rotating the spool A on the pin D. When the desired length has been obtained the wire is cut off and as the flange I^2 bears against the outermost layer it is evident that the unwinding of the convolutions of the wire on the spool is not liable to take place unless the spool is rotated as previously explained. By providing the doubled-up portion I′ of the retainer I sufficient resiliency is had to allow the flange I^2 to bear on the outermost layer of the wire B until the last layer on the spool is reached.

The spool holder shown and described is very simple in construction and permits convenient attachment to a wall, bench or other support, to allow the user to conveniently unwind the wire from the spool in length as needed, and to hold the remaining wire on the spool against unwinding and tangling up.

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

1. In combination with a wire-holding spool having a central bore, a pin extending through the said bore on which the spool is mounted to turn, a flat bearing plate having angular end lugs attached to the said pin, and attaching flanges on the end of the said bearing plate and arranged in the plane of the bearing plate, the attaching flanges pro-

jecting outwardly beyond the said lugs to permit of attaching the flanges to a support, the said attaching flanges being struck up from the material of the said lugs.

2. In combination with a wire-holding spool, a holder on which the said spool is mounted to turn, and a wire retainer in the form of a spring plate doubled up to provide two members of which one is attached to the said holder and the other member terminates in an angular flange bearing on the outermost layer of the wire on the said spool.

3. In combination with a wire-holding spool having a central bore, a pin extending through the said bore on which the spool is mounted to turn, a flat bearing plate having angular end lugs attached to the said pin, attaching flanges on the ends of the said bearing plate and arranged in the plane of the bearing plate, the attaching flanges projecting outwardly beyond the said lugs to permit of attaching the flanges to a support, and a wire retainer in the form of a spring plate doubled up to form two members of which one is attached to the said bearing plate, and the other member terminates in an angular flange bearing on the outermost layer of the wire on the said spool.

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

RUSSELL FRASER.

Witnesses:
HELEN A. KIERNAN,
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."