June 10, 1924.

1,497,506

J. I. HAGMAN

REEL

Filed Aug. 22, 1923

2 Sheets-Sheet 1

Fig. 1.

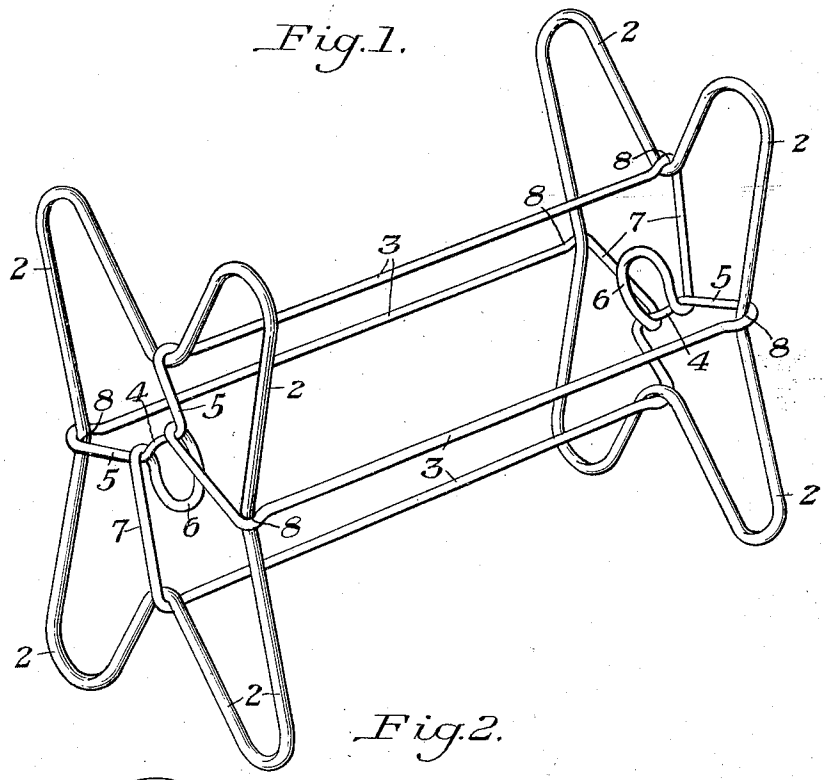
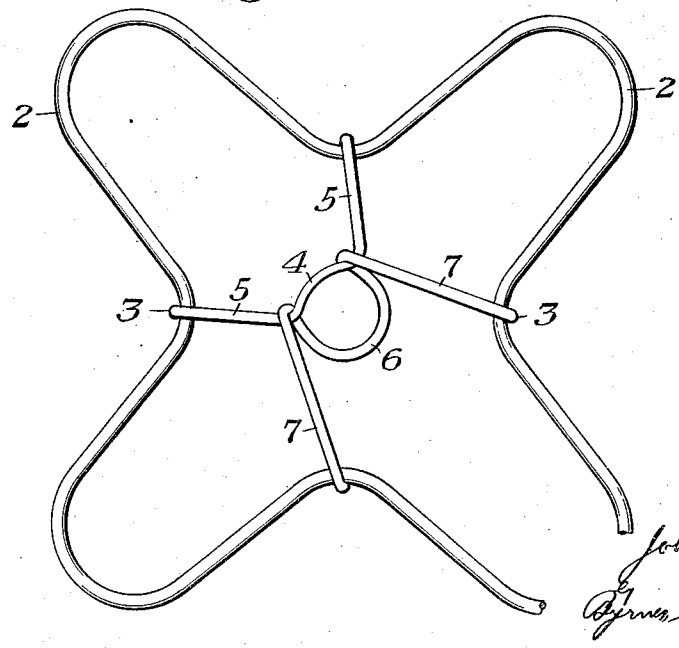


Fig. 2.



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Byrnes, Cadwell, Parmelee & Ellis Attys.

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Fig. 3.

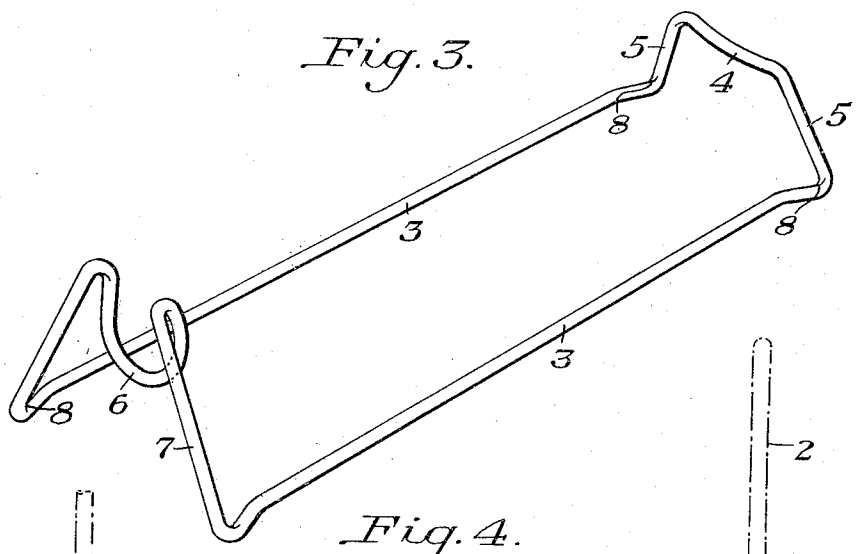


Fig. 4.

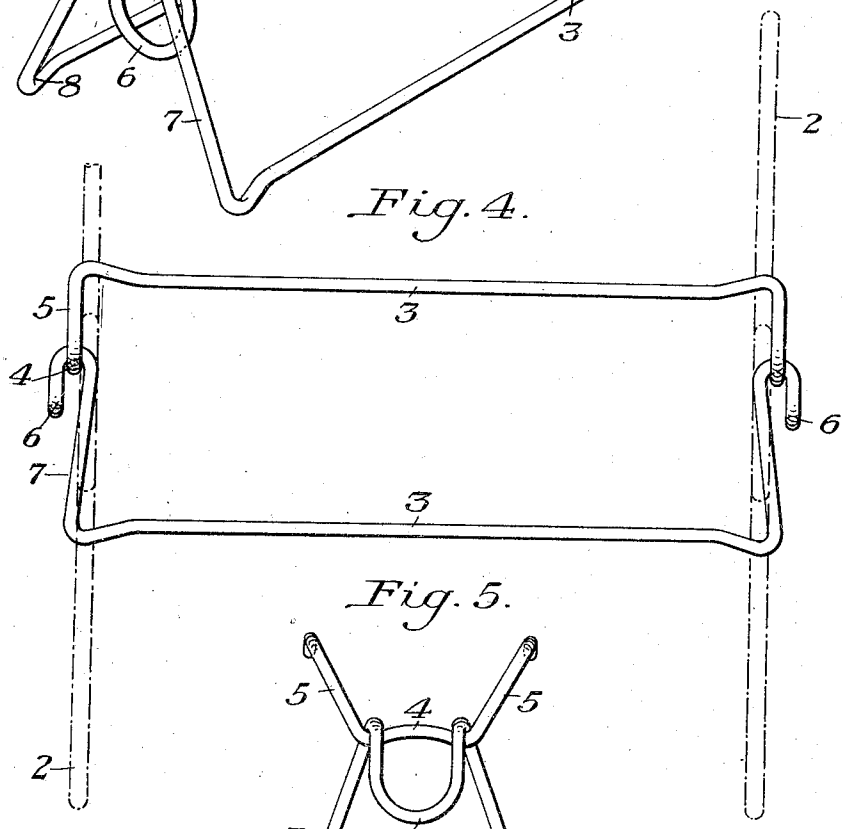


Fig. 5.

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By Byerly, Stubbs & Barnett,

his attys.

Patented June 10, 1924. 1,497,506

UNITED STATES PATENT OFFICE.

JOHN I. HAGMAN, OF STRUTHERS, OHIO.

REEL.

Application filed August 22, 1923. Serial No. 658,720.

To all whom it may concern:

Be it known that I, JOHN IVAR HAGMAN, a citizen of the United States, residing at Struthers, county of Mahoning, and State of Ohio, have invented a new and useful Improvement in Reels, of which the following is a full, clear, and exact description.

This invention relates to an improvement in reels formed of wire, and more particularly to reels for holding wire for fencing, etc.

One of the objects of my invention is to provide a built-up reel comprising two similar head members and two body members, each of which is formed of an endless wire or rod.

Another object of my invention is to form a reel having journal receiving openings for the reception of a suitable spindle, about which the reel can be rotated when reeling or unwinding wire from the reel, and which are formed in interengaging portions of the body members of the reel.

The precise nature of my invention will be best understood by reference to the accompanying drawings, which will now be described, it being premised, however, that various changes may be made in the details of construction and the general arrangement of parts without departing from the spirit and scope of my invention as defined in the appended claims.

Figure 1 of the drawings is a perspective view of one form of reel constructed in accordance with my invention;

Figure 2 is an end view of the reel shown in Figure 1;

Figure 3 is a perspective view of a body forming member such as shown in Figure 1;

Figure 4 is an elevation of two body forming members of a modified form, interengaged with each other, and with the head forming members shown in dotted lines in connection with the body members; and

Figure 5 is an end view of the body forming members shown in Figure 4.

In the structure shown in Figures 1 and 2, the reel comprises two head members each having four arms 2, and two body members having longitudinally extending members 3 provided at one end with an eye 4 connected to the members 3 by portions 5. The other end of each body member is provided with an open hook 6 connected to the longitudinal members 3 by means of portions 7. Each of the longitudinally extending members 3 of each body member may be provided with an offset portion 8 near each end thereof forming seats for the head members 2.

In assembling a reel such as shown in Figures 1 and 2, the hook and eye portions 4 and 6 of the body members are interengaged and the head members are then inserted between the body members. One of the arms may be seated in the offset portions 8 at one end of one of the body members and the head members then rocked into position to cause them to snap into the offset portions 8 of the other body member.

The various parts are so shaped that when the head members have been moved to their positions, the various elements will be under tension.

When the parts are assembled the open hooks 6 and the hook engaging portions of the eyes 4 form bearings for a spindle or suitable member about which the reel can be rotated.

In the form shown in Figures 4 and 5, I have used the same reference characters for designating similar parts, but in this construction both hook portions 6 are formed on one of the body members, while the eye portions 4 are formed on the other body member. In Figures 4 and 5 the hooks extend outwardly from the reel, while in the construction shown in Figures 1 and 2, they extend inwardly or towards each other.

The advantages of my invention arise from the provision of a wire reel comprising a plurality of members, each of which is formed by an endless wire or rod bent to shape in such a manner that when the parts are secured to each other, the members which form the body are interlocked with each other and are held in their positions under tension by the head forming members.

I claim:

1. A reel having two head members, each head member having a plurality of arms, and two separable endless body members, the body members having hook and eye engagement forming spindle bearings for the reel adjacent the ends of the latter, substantially as described.

2. A reel having two head members, each head member formed of an endless wire

and having four arms, two body members, each body member being formed of an endless wire having longitudinal portions and transverse end portions, and an open hook member on one end of each of the body members arranged to engage an eye on the other end of the other member, substantially as described.

3. A reel having two head members, each head having four arms, two body members, each body member being formed of an endless wire having longitudinal portions and transverse end portions, and an open hook member on one end of each of the body members arranged to engage an eye on the other end of the other member, substantially as described.

In testimony whereof I have hereunto set my hand.

JOHN I. HAGMAN.