No. 620,175. Patented Feb. 28, 1899.

Z. R. PINAULT.

BRACKET ARM.

(Application filed Dec. 27, 1897.)

(No Model.)

Fig. 1.

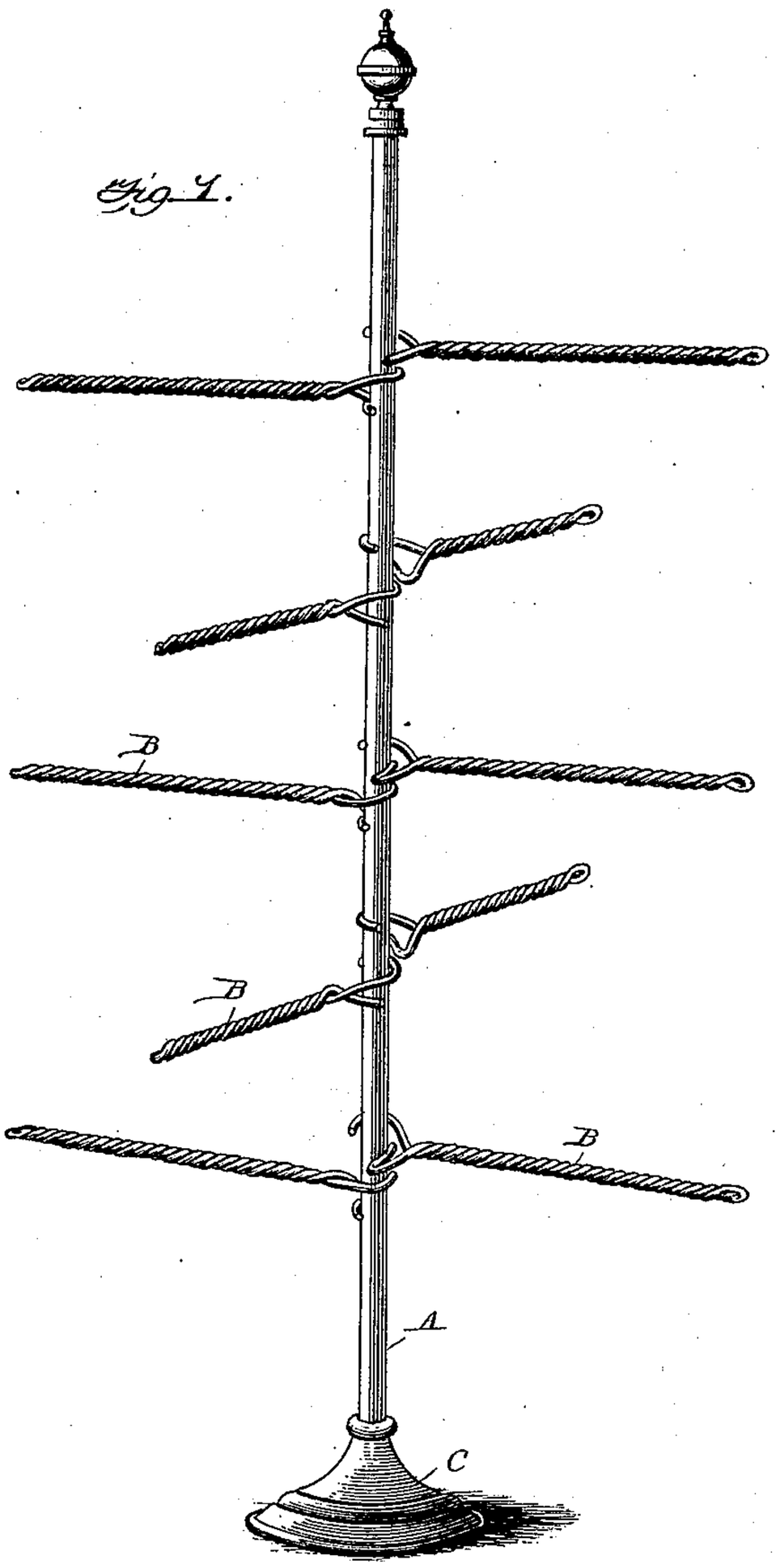


Fig. 2.

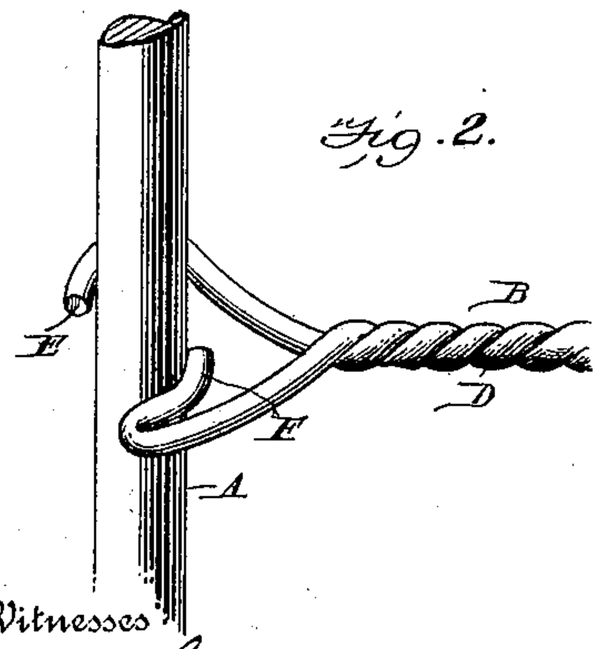


Fig. 3.

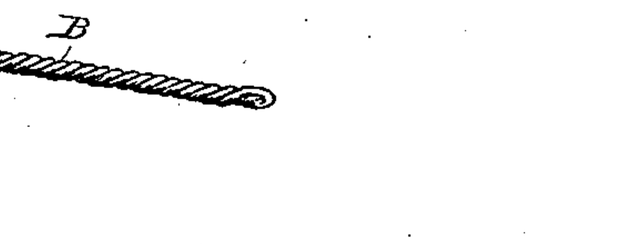
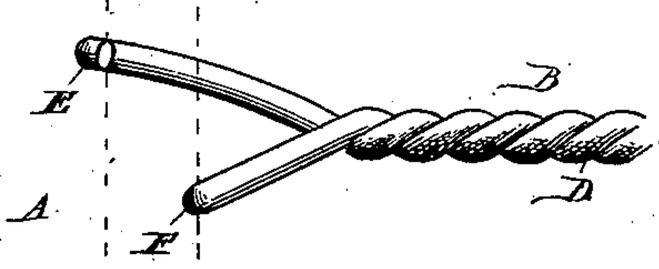


Fig. 4.



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UNITED STATES PATENT OFFICE.

ZEPHIRIN R. PINAULT, OF LOWELL, MASSACHUSETTS.

BRACKET-ARM.

SPECIFICATION forming part of Letters Patent No. 620,175, dated February 28, 1899.

Application filed December 27, 1897. Serial No. 663,670. (No model.)

To all whom it may concern:

Be it known that I, ZEPHIRIN R. PINAULT, residing at Lowell, in the county of Middlesex and State of Massachusetts, have invented a new and useful Bracket-Arm, of which the following is a specification.

This invention relates to bracket-arms; and the object thereof is to provide a bracket-arm which may be readily and quickly attached to or detached from its support and be retained thereon in the desired position without the use of set-screws or other securing devices.

With the above object in view the invention consists in the improved construction, arrangement, and combination of parts hereinafter fully described and afterward specifically pointed out in the claim.

In order to enable others skilled in the art to which my invention most nearly appertains to make and use the same, I will now proceed to describe its construction and operation, having reference to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of a support having my bracket-arms positioned thereon. Fig. 2 is a detail perspective view of a portion of the support and arm engaging the same. Fig. 3 is a top plan view of the engaging end of the arm, showing the same in position upon the support. Fig. 4 is an elevation of my improved bracket-arm, the support being shown in dotted lines.

Like letters of reference mark the same parts wherever they occur in the various figures of the drawings.

In the drawings I have illustrated my bracket-arm when used as a display-rack; but I do not limit the same to that particular use, as it may be used in many other connections without departing from the spirit of my invention.

In the accompanying drawings, A indicates a rod upon which the bracket-arms B are positioned, said rod being supported by the base C. The arms in the present instance are formed of a single piece of wire twisted upon itself, as illustrated at D, and separated at its inner end, one of the separated ends being bent laterally to form the hook member E, said end being bent slightly upwardly. The opposite end of the wire is bent downwardly slightly and then bent laterally toward the hook member to form the shoulder or bearing F.

In operation the arm is inserted upon the supporting-rod by holding the same at an angle to said rod and then moving it laterally, so that the rod is embraced by the hook member. In this position the hook member will engage the supporting-rod upon one side thereof, while the shoulder or bearing will engage said rod on the opposite side thereof and at a point below the point of engagement of the hook member. It will be understood that the more weight placed upon the arm the tighter it engages the rod and that said arm may be as easily disengaged from the rod as it was positioned thereon.

I do not desire to limit myself to an arm constructed of a single piece of wire twisted upon itself, as described, as the arm may be made of wood, casting, or sheet metal, the essential feature of the invention being the hook and shoulder engaging the support upon opposite sides thereof, the point of engagement of the shoulder being below that of the hook member.

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

A bracket-arm composed of a single piece of wire twisted upon itself and having its ends separated, one of said ends being inclined downwardly and the other inclined upwardly, said ends being bent laterally to form a hook which engages the support upon one side thereof, and a bearing which engages the opposite side of the support, substantially as set forth.

ZEPHIRIN R. PINAULT.

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