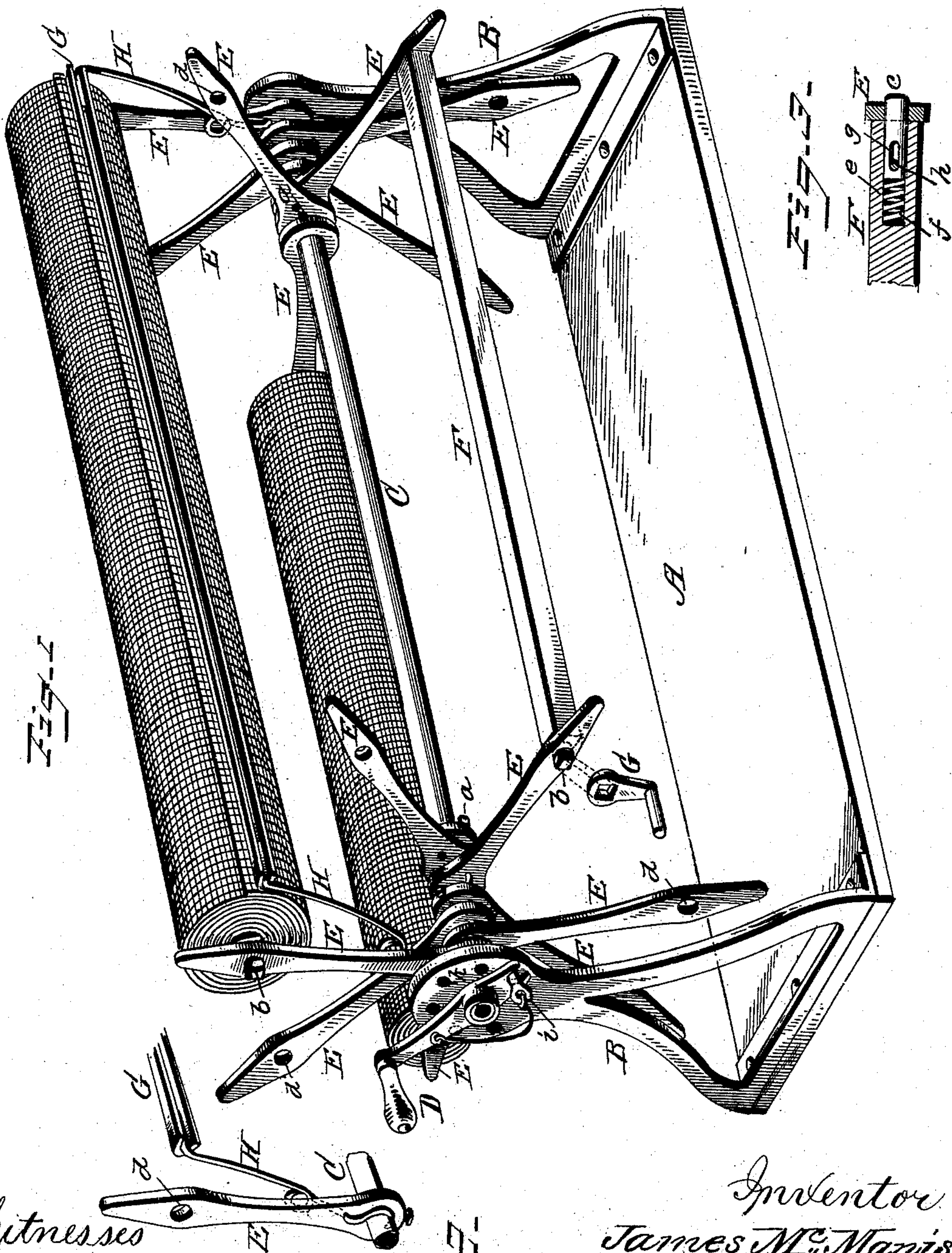


(No Model.)

J. McMANIS.
WIRE CLOTH HOLDER.

No. 505,532.

Patented Sept. 26, 1893.



Witnesses
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UNITED STATES PATENT OFFICE.

JAMES McMANIS, OF BLANDINSVILLE, ILLINOIS.

WIRE-CLOTH HOLDER.

SPECIFICATION forming part of Letters Patent No. 505,532, dated September 26, 1893.

Application filed June 19, 1893. Serial No. 478,066. (No model.)

To all whom it may concern:

Be it known that I, JAMES McMANIS, a citizen of the United States, residing at Blandinsville, in the county of McDonough and State of Illinois, have invented certain new and useful Improvements in Wire-Cloth Holders; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

The present invention has for its object to provide a show stand or device for holding and exhibiting rolls of wire cloth and also enabling the cloth to be conveniently measured and cut from the rolls when any given amount is sold to the purchaser, and the invention consists of a stand or device constructed substantially as shown in the drawings and hereinafter described and claimed.

Figure 1 of the drawings represents a perspective view of my improved wire cloth holder or device; Fig. 2 a detail view in perspective of one of the radial supporting arms and spring actuated clamp for holding the loose edge of the wire cloth against the body of the roll; Fig. 3 a detail sectional view of one end of the bar over which the wire cloth is rolled showing the journal and spring and the end of the supporting arm in section.

In the accompanying drawings A represents a suitable base to the ends of which are attached upright brackets B which together form the frame of the device and the brackets forming bearings for the ends of the central longitudinal shaft C, which shaft is provided at one end with a crank-handle D for turning it. Near each end of the shaft are a plurality of radial supporting arms E which loosely fit on the shaft and are held in their adjusted position at any angle with relation to each other by means of the set screws *a*. Each pair of arms has connected to its outer ends a longitudinal bar F which is passed through the roll of wire cloth previous to its being attached to the arms. The bars F are preferably square or flat-sided and may be of wood or any other suitable material and of any preferred thickness. The journals *b c* upon the ends of the bar F enter holes *d* in the arms E, the journal *b* being flat sided to

receive a crank-handle G for turning the bar and with it the wire cloth when it is desired to measure off a certain quantity or to re-roll the cloth after cutting therefrom the amount purchased.

Provision is made for the ready attachment of the bar F to the arms E and its convenient removal, by means of the socket *e* in which the journal *c* enters, a coiled spring *f* being located between the end of the socket and the inner end of the journal, as shown in Fig. 3. The journal *c* has a slot *g* through which extends a guide-pin *h*, which pin is rigidly fixed to the bar F and extends across the socket. Now when it is desired to remove the bar F, the journal *c* is forced in until it is disengaged with the hole *d* in the supporting arm E when the arm can be conveniently removed, and when in place the coiled spring *f* retains the journal in engagement with the hole in the arm.

Any number of the arms E may be used so that the device may be adapted to hold any desired number of rolls of wire cloth of various degrees of fineness and quality.

In order to prevent the wire-cloth from unrolling and to retain the loose edge up against the body of the roll, I provide what is termed a spring-actuated clamp, consisting of a holder G and the spring arms H connected respectively to the holder and to the radial arms E, shaft C, or other part of the device. The shaft can be held at any position upon its axis by means of the pin *i* extending through a bifurcation in the crank-handle D and engaging one of a plurality of holes *k*.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A device for holding rolls of wire cloth, consisting of a suitable frame, a rotatable shaft supported therein, radial arms adjustably connected to the shaft, and bars for supporting the rolls of wire cloth, said bars detachably connected to the radial arms, substantially as and for the purpose described.

2. A device for holding rolls of wire cloth, consisting of a suitable frame, a central rotatable shaft supported therein, radial arms at right angles thereto and adjustably connected to the shaft, bars having sockets at

their ends and springs and movable journals
located therein as a means for detachably con-
necting the bars to the arms, and a spring
actuated clamp for retaining the free end of
5 the cloth against the body of the roll, substan-
tially as and for the purpose set forth.
In testimony that I claim the above I have

hereunto subscribed my name in the presence
of two witnesses.

JAMES McMANIS.

Witnesses:

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J. B. BAILEY.