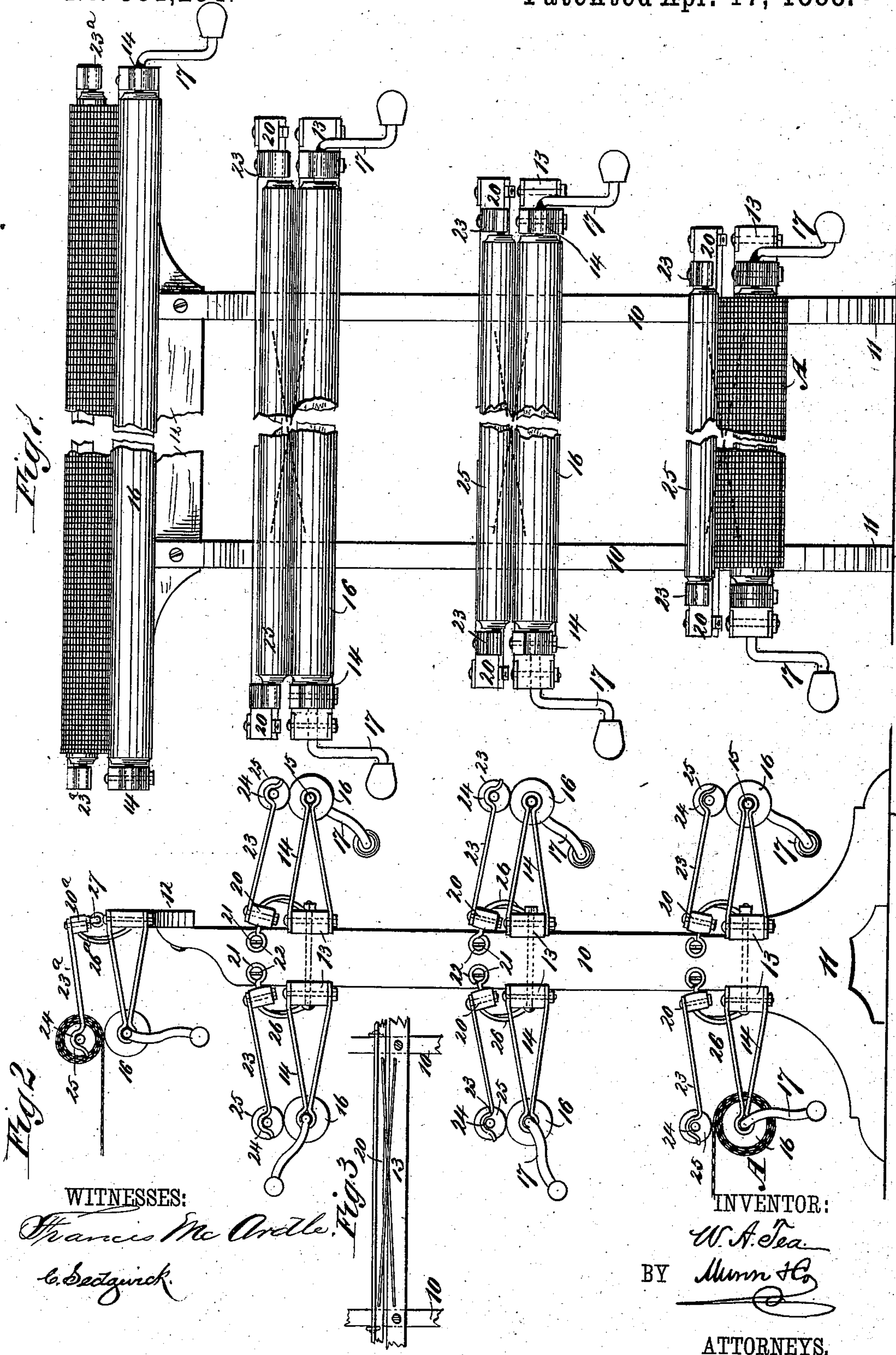


(No Model.)

W. A. TEA.
WIRE CLOTH HOLDER.

No. 381,294.

Patented Apr. 17, 1888.



WITNESSES:

Francis Mc Ortle.
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UNITED STATES PATENT OFFICE.

WILLIAM A. TEA, OF CLYDE, OHIO.

WIRE-CLOTH HOLDER.

SPECIFICATION forming part of Letters Patent No. 381,294, dated April 17, 1888.

Application filed January 30, 1888. Serial No. 262,383. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. TEA, of Clyde, in the county of Sandusky and State of Ohio, have invented a new and Improved Wire-Cloth Holder, of which the following is a full, clear, and exact description.

The object of this invention is to provide a rack upon which rolls of wire-cloth may be compactly stored, the rolls being so arranged that any number of yards or feet of said cloth may be quickly measured off from the rolls, and the surplus material drawn from the rolls rewound thereupon.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a side view of my improved wire-cloth holder. Fig. 2 is an end view thereof, and Fig. 3 is a detail view illustrating the construction of one of the springs.

In constructing such a rack or holder as the one illustrated in the drawings above referred to, I provide a frame which is made up of two end posts or standards, 10, that are formed with bases 11, the upper ends of the posts or standards being connected by a cross-bar, 12, other cross bars, 13, being bolted to the standards, as shown in the drawings. To the ends of the bars 12 and 13 there are connected brackets 14, which serve as supports for the journals 15 of rollers 16, which said rollers are provided with crank-arms 17, that are connected to the right-hand ends of the rollers, as shown in the drawings. The rollers 16 are of different length, the longest one being that connected to the cross-bar 12, while the shortest is that shown at A. Above the cross-bars 13, I arrange other bars, 20, which are connected to the standards 10 by screws 21, which pass through screw-eyes 22, that are secured to the bars, and to each end of these bars 20, I connect an outwardly-extending arm, 23, the ends of said arms being bent upward and then downward to form sockets 24, which receive the shafts or journals of rollers 25, the rollers 25 being normally held against the rollers 16 by springs 26, which said springs consist of wires that are connected to the bars 13 and 20, the wires diagonally crossing, as shown in Fig. 3.

Above the cross-bar 12 there is mounted a bar, 20^a, said bar being connected to the cross-bar 12 by screw-eyes 27, while springs 26^a are arranged so that the arms 23^a of the bar 20^a are normally held depressed.

Wire-cloth, which the apparatus above described is designed to hold, comes in rolls upon rollers that are about an inch and a half in diameter, which is the diameter of the rollers 25. When the cloth is received in the rolls, as above described, the supporting-roller within the cloth is removed and a roller, 25, of appropriate length, is inserted, after which the roller is returned to its position beneath the bent portion 24 of the arms 23, the springs 26 then acting to throw the outer layer of wire-cloth against the roller 16, and when the cloth is so placed it will be seen that by turning the crank-arm 17 in the proper direction any amount of cloth may be wound off from the roll, and the desired length having been cut from the roll the surplus may be rewound thereupon.

Instead of transferring the roll of cloth directly to the roller 25, the free end of the roll of wire-cloth may be tacked to a roller, 16, of appropriate length, and the roller 16 then turned so as to wind the cloth thereon.

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

1. In a wire-cloth holder, the combination, with a supporting-frame and a roller journaled in brackets projecting from the said frame, of a pivoted and spring-pressed bar above the said roller, outwardly-projecting arms secured to the said bars, and a roller removably held in the outer ends of the said arms, substantially as described.

2. In a wire-cloth holder, the combination, with a supporting-frame, brackets projecting from said frame, and a roller journaled in said brackets, of a pivoted and spring-pressed bar, arms secured to said bar and having their outer ends formed with sockets, and a roller held above and in engagement with the first-named roller by the engagement of the sockets of the said arms with its journals, substantially as herein described.

3. In a wire-cloth holder, the combination, with the supporting-frame provided with cross-

bars 12, brackets 14, secured to said cross-bars,
and rollers 16, journaled in said brackets and
provided with crank-handles 17, of the cross-
bars 20, pivoted to the frame, the springs 26,
5 secured to the said cross-bars 13 and 20, the
arms 23, secured to the cross-bars 20 and pro-
vided with the sockets 24, and the rollers 25,

having their journals in the sockets of said
arms, substantially as herein shown and de-
scribed.

WILLIAM A. TEA.

Witnesses:

WILLIAM M. GILES,
G. S. DEWEX.