

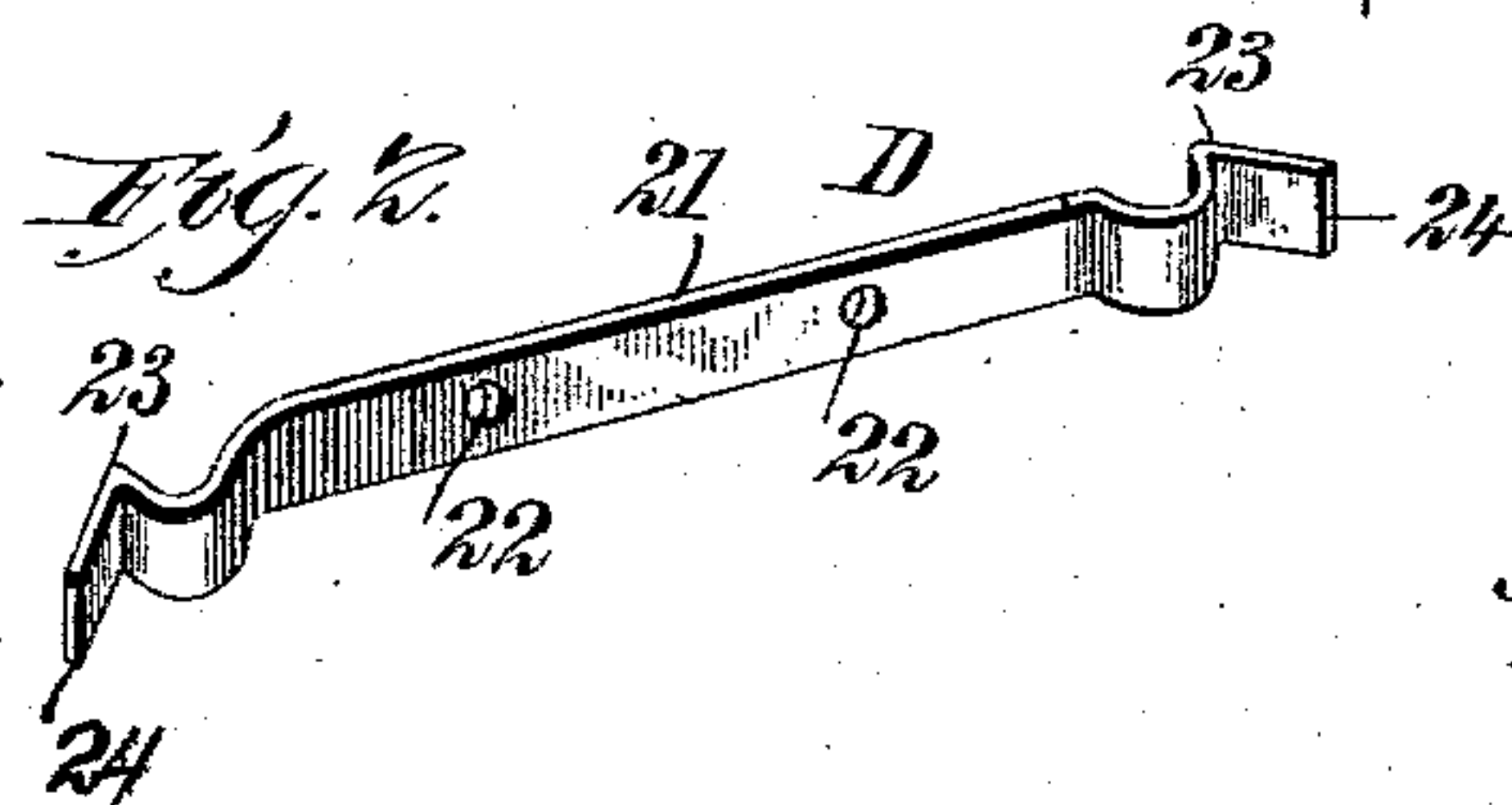
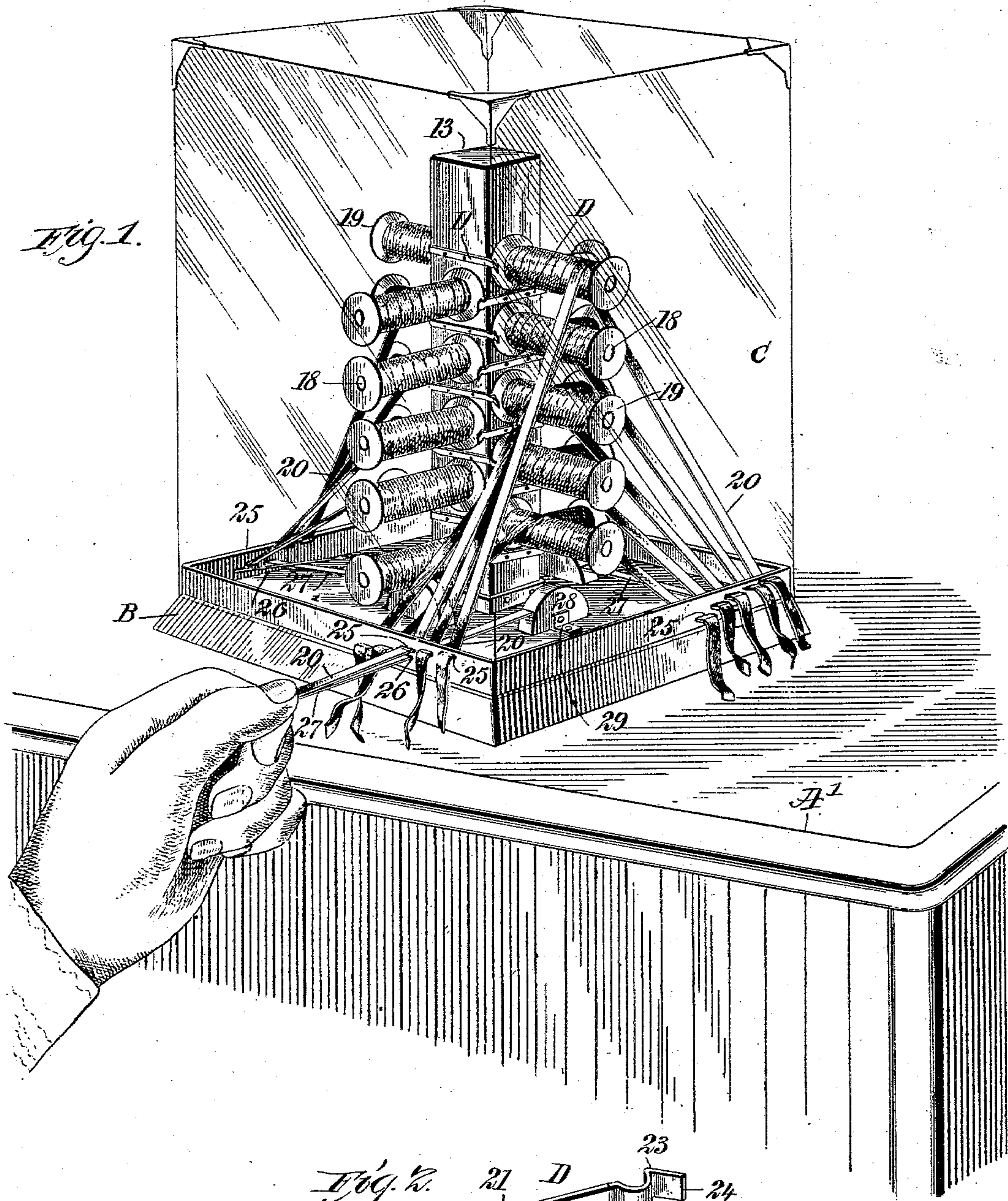
No. 753,085.

PATENTED FEB. 23, 1904.

M. MAAS & F. RICAUD.  
SPOOL HOLDER AND CASE.  
APPLICATION FILED SEPT. 5, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES:

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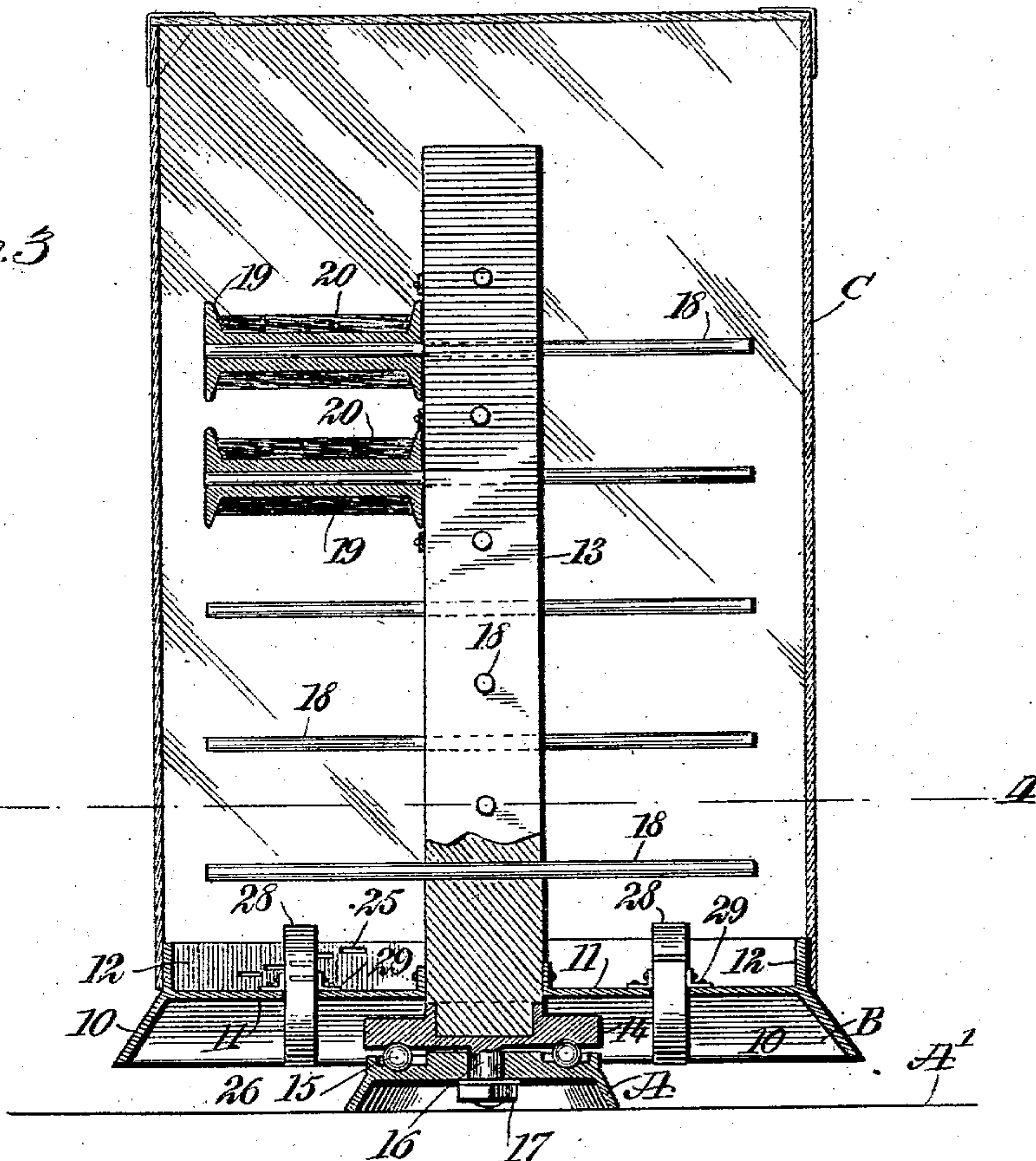
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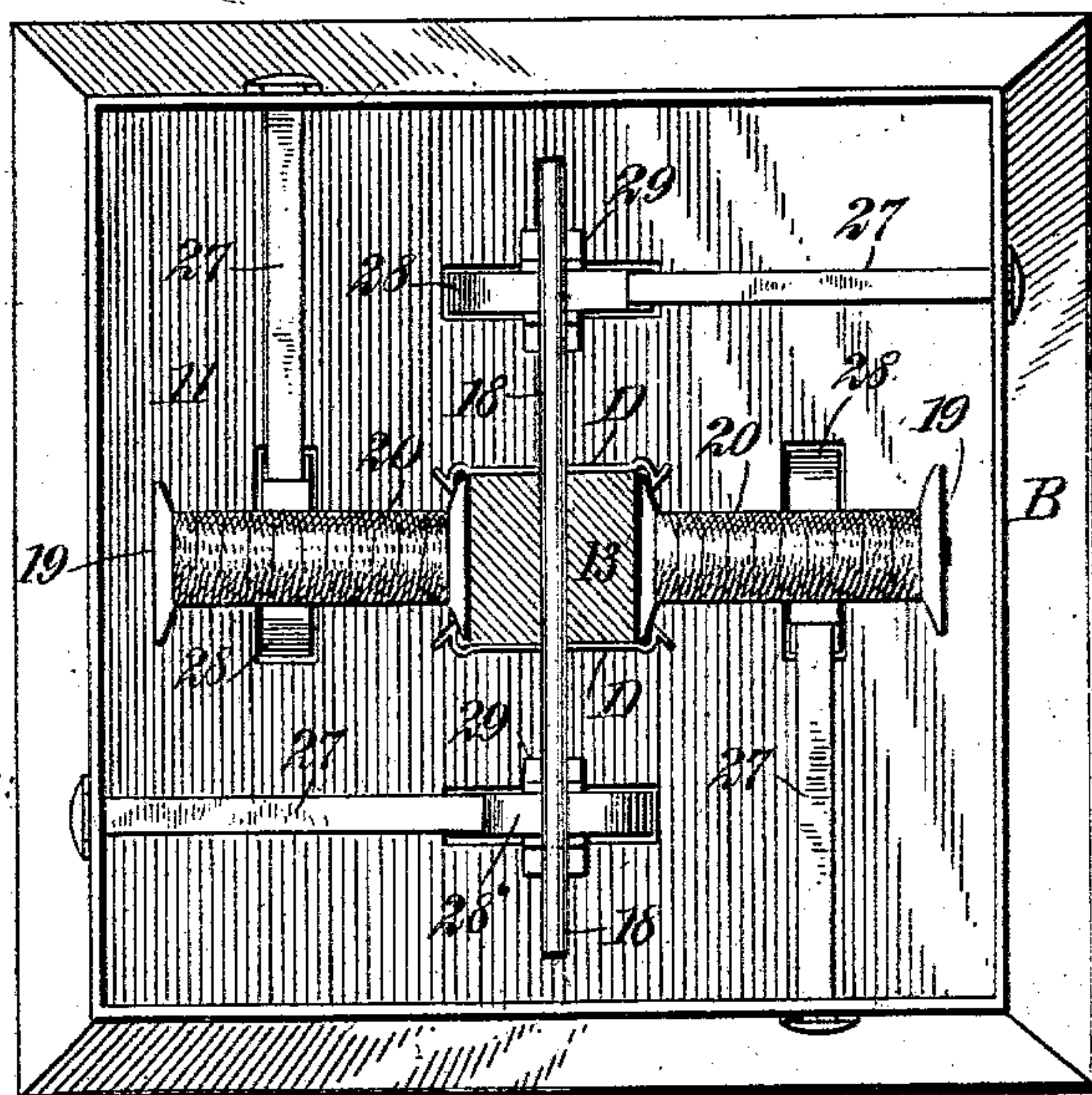
NO MODEL.

2 SHEETS—SHEET 2.

*Fig. 3*



*Fig. 4*



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# UNITED STATES PATENT OFFICE.

MAYER MAAS AND FRANK RICAUD, OF BATON ROUGE, LOUISIANA.

## SPOOL HOLDER AND CASE.

SPECIFICATION forming part of Letters Patent No. 753,085, dated February 23, 1904.

Application filed September 5, 1903. Serial No. 172,091. (No model.)

*To all whom it may concern:*

Be it known that we, **MAYER MAAS** and **FRANK RICAUD**, citizens of the United States, and residents of Baton Rouge, in the parish of East Baton Rouge and State of Louisiana, have invented a new and Improved Spool Holder and Case, of which the following is a full, clear, and exact description.

The purpose of the invention is to provide a compact case for receiving, holding, and protecting spools or reels of ribbon, tape, or like material, the body of the case being revoluble upon its support, and also to provide a perfect system for automatically measuring the material as the material is drawn out from the case through suitable openings therein.

A further purpose of the invention is to provide tension devices for the spools or reels which act to prevent the spools or reels from turning to rewind the material thereon, but which do not interfere with the unwinding of material in desired quantity.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

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

Figure 1 is a perspective view of the improved device. Fig. 2 is a perspective view of one of the springs adapted to prevent the spools or reels from accidentally rewinding material thereon. Fig. 3 is a vertical section through the device, taken mainly at one side of the spool or reel carrier, the lower portion of the spool or reel carrier being in section; and Fig. 4 is a horizontal section taken practically on the line 4 4 of Fig. 3, the cover being omitted.

A represents a roller-bearing support, and A' a counter, table, or the like on which the support is located or secured.

B represents the base of the case, and C a cover therefor, of glass or other transparent material. The base B consists of a lower section 10, which is preferably outwardly flared and is open at the bottom, being closed at the top by a platform 11, which constitutes prac-

tically the closed bottom section of the base, and a flange 12, which extends upward from the margin of the lower section 10 of the base, the cover C being preferably fitted over the said flange-section 12, as is shown in Figs. 1 and 3.

The case may be of any desired shape. Preferably, however, it is polygonal, and usually it is rectangular in cross-section, as is illustrated in the drawings.

A post 13 occupies a central position in the case. This post is of corresponding cross-sectional shape to the cross-section of the body of the case, and the lower end of the said post 13 extends through a suitable opening in the platform or bottom 11 of the case, being secured to the said bottom. The lower end of the post is attached to or is stepped in a block 14, which is adapted to engage with the balls or rollers 15 on the support A. The block 14 has a central downwardly-extending stem 16, mounted to turn freely in the support A, and the post is held in proper position relative to the support by means of a nut 17 or its equivalent, as is shown in Fig. 3. Horizontal arms 18, circular in cross-section, extend from the side portions of the post 13 above the base, the arms being in staggered arrangement; but the arms on opposite sides are in the same horizontal plane, as is shown in Fig. 3. Spools or reels 19, adapted to carry a ribbon or tape 20, are mounted to turn loosely on the said arms, and these spools are held against turning except when the tape or ribbon is drawn off therefrom by means of springs D, one of which is shown in detail in Fig. 2. These springs each consists of a body-section 21 of a length corresponding to the width of a side of the post 13, the body-section having openings 22 therein to admit screws for the purpose of attaching the spring to the post, and at each end of the body a hook 23 is formed, the hooks facing in the same direction, and from the outer end of each hook a finger-piece 24 extends outward. When a spring is attached to the post 13, the hooks 23 engage with the inner heads of opposing spools, as is shown in Fig. 4, preventing the said spools from accidentally turning to unwind or to rewind material thereon, and the finger-



pieces 24 enable an operator to readily disengage the springs D from the spools or reels 19 when the latter are empty or when they are to be moved.

5 At each side of the base B a series of openings 25 is made in the upper flange-section 12, and these openings are preferably in stepped arrangement, and the ends of the ribbon or  
10 tape from one set of reels or spools is passed through a series of openings 25, as is illustrated in Fig. 1. Below the central opening of each series a single opening 26 is produced also in the flanged section 12 of the base, and the end of a tape-measure 27 is passed out  
15 through each of the said auxiliary openings 26, which tape-measures are spring-controlled, and each is adapted to be automatically rewound in a case 28 when released. One of these cases 28 is located opposite each side of  
20 the post 13, as is shown in Fig. 4, the cases for the tape-measures being attached to the bottom 11 of the case by means of suitable brackets 29 or their equivalents. The cases for the tape-measures extend partially above  
25 and partially below the bottom 11 of the exhibit or display case, as is best shown in Fig. 3.

Any side of the case may be brought conveniently in front of the operator, and when  
30 a portion of a ribbon is to be measured off that particular ribbon is drawn from its spool and at the same time the free or outer end of a tape-measure is brought flush with the outer end of the ribbon. If a yard of ribbon is required, for example, after the tape-measure  
35 has been drawn out to the extent of thirty-six inches the ribbon is drawn out a corresponding distance. The tape-measure is then released and is automatically rewound in its case, and the operator may then release the  
40 ribbon and when convenient cut it off either close to the case or wherever the ribbon may have been marked to designate the required measurement, as the reel or spool from which the ribbon was unwound will be prevented  
45 from moving by the action of its controlling-spring D.

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

50 1. A spool-holder, consisting of a support, a flanged base having sets of openings in its flange, a post secured centrally to the base with its lower end extending through the base, a block secured to the lower end of the post and  
55 pivoted to the support, balls between the block and support, radial spool-carrying arms on the post, springs secured to the post for engaging the inner heads of the spools, and a cover resting upon the base, as set forth.

60 2. A spool-holder, comprising a support, a

flanged base having sets of openings in its flange, a post secured centrally to the base with its lower end projecting through the same and pivoted to the support, radial spool-carrying  
65 arms on the post, springs secured to the post for engaging the inner heads of the spools, and a cover carried by the base, as set forth.

3. A spool-holder, comprising a support, a casing mounted to revolve on the support and provided with sets of openings in its lower  
70 portion, a post centrally arranged in the casing, radially-projecting spool-carrying arms on the post, and springs secured to the post and adapted to engage the inner heads of the spools, as set forth.

4. A spool-holder, comprising a support, a casing mounted to revolve on the support and provided with sets of openings in its lower portion, a post arranged centrally in the casing,  
80 the post being rectangular in cross-section, horizontal arms projecting from each side of the post, the arms being in staggered arrangement, with the arms on opposite sides in the same horizontal plane, and spring-plates secured to the post, each plate having its ends  
85 constructed to engage the inner heads of oppositely-arranged spools, as set forth.

5. In a spool-holder, the combination with a post provided with horizontal spool-holding arms, of spring-plates secured to the post, each  
90 plate having a hook at each end adapted to engage the heads of spools carried by the arms, and provided with finger-pieces at the outer ends of the hooks, as set forth.

6. In a spool-holder, a casing having in its  
95 lower portion a series of openings arranged in step form, and below the central opening with a second opening, a post arranged in the casing and provided with a plurality of horizontal arms arranged one above the other and  
100 upon which spools of ribbon are adapted to be held, the ribbons from the spools passing out through the stepped openings of the casing, and a tape-measure case secured to the base of the casing at that side of the post from which  
105 the arms project and having its tape passing out through the opening below the central ribbon-receiving opening, to permit any and all of the ribbons held on said arms and passing out through the said openings to be measured, as  
110 set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

MAYER MAAS.  
FRANK RICAUD.

Witnesses:

R. C. POPE,  
T. E. McHUGH.