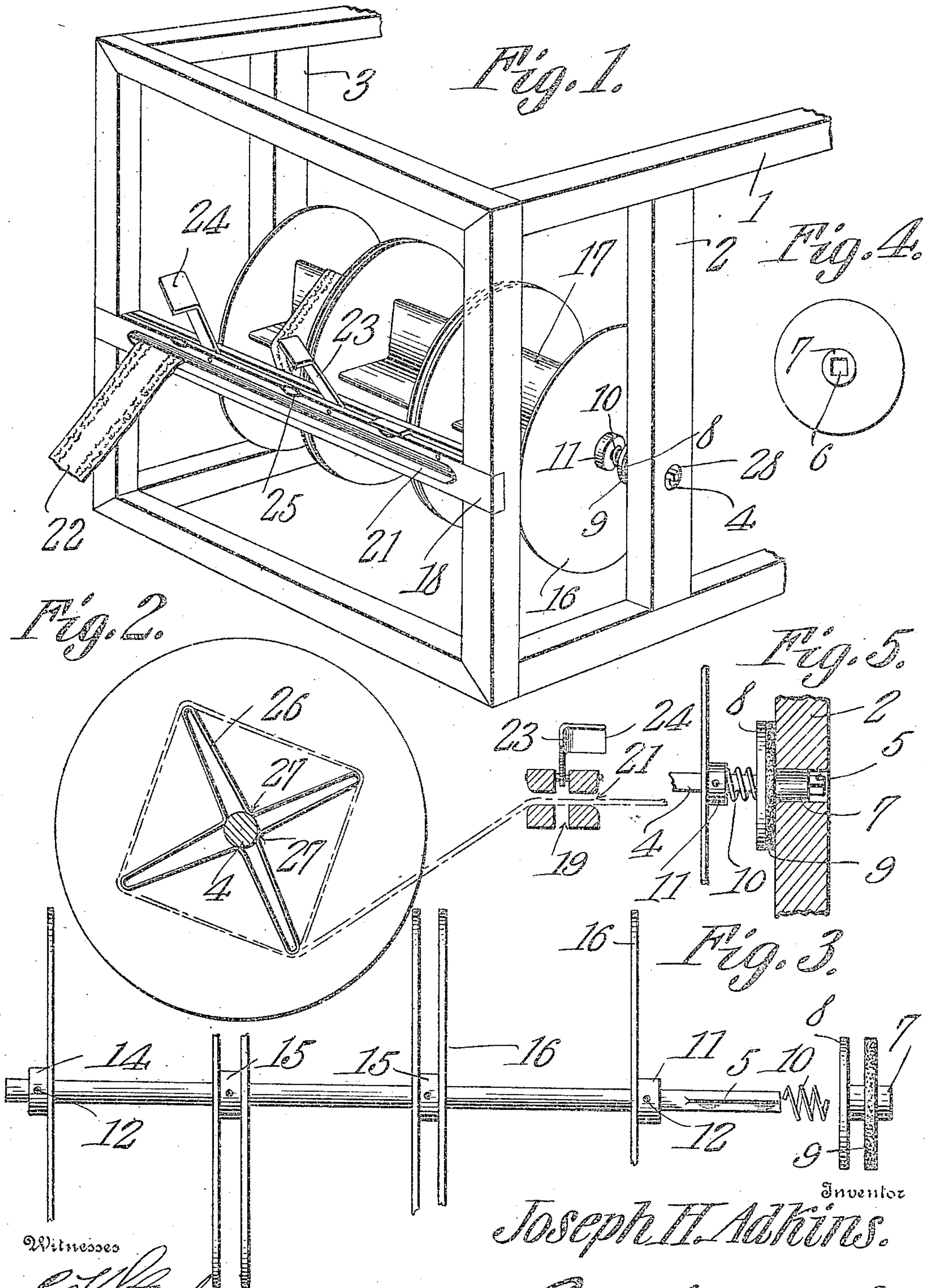


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LACE CABINET.

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958,062.

Patented May 17, 1910.



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# UNITED STATES PATENT OFFICE.

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LACE-CABINET.

958,062.

Specification of Letters Patent.

Patented May 17, 1910.

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*To all whom it may concern:*

Be it known that I, JOSEPH H. ADKINS, a citizen of the United States, residing at Chatham, in the county of Pittsylvania and State of Virginia, have invented a new and useful Lace-Cabinet, of which the following is a specification.

The objects of the invention are, generally, the provision in a merchantable form, of a device of the above mentioned class, which shall be inexpensive to manufacture, facile in operation, and devoid of complicated parts; specifically, the provision of a cabinet for the reception and display of lace, ribbons, and the like including a spool which is adapted to engage, yieldingly, a shaft, for rotation therewith, the spool being so constructed that when the lace or ribbon is reeled from the same, the spool will rotate upon the shaft, novel means being provided for holding the shaft against rotation, while the spool is thus in motion; means being likewise provided for restraining the movement of the lace or ribbon, so that the desired quantity thereof may be severed from the remaining portion; other and further objects being made manifest hereinafter as the description of the invention progresses.

The invention consists in the novel construction and arrangement of parts hereinafter described, delineated in the accompanying drawings, and particularly pointed out in that portion of this instrument wherein patentable novelty is claimed for certain distinctive features of the device, it being understood, that, within the scope of what hereinafter thus is claimed, divers changes in the form, proportions, size, and minor details of the structure may be made, without departing from the spirit or sacrificing any of the advantages of the invention.

Similar numerals of reference are employed to denote corresponding parts throughout the several figures of the drawings.

In the accompanying drawings:—Figure 1 shows my invention in perspective, a portion of the frame being broken away; Fig. 2 is a transverse section of a portion of the

device parts being in elevation. Fig. 3 is an elevation of the shaft and a portion of the mechanism which is carried thereby; Fig. 4 is an end elevation of the sleeve; Fig. 5 is an elevation of one end of the shaft, designed to show the manner in which the shaft is retained against rotation.

In carrying out the invention, a frame 1 is provided, which may be of any form. In the uprights 2 and 3 of the frame, is mounted for rotation, a shaft 4. The end of the shaft 4 which is adjacent the upright 3 may be journaled therein in any suitable manner. The end of the shaft 4, at the upright 2 is rendered polygonal as denoted by the numeral 5, and this polygonal portion 5 of the shaft is adapted to register slidably, yet against rotation, in a polygonal axial opening 6 in a sleeve 7, the sleeve 7 being arranged to rotate in an opening 28 in the upright. The sleeve 7 is provided with an outstanding flange 8, between which and the upright 2 is mounted, upon the sleeve 7, a yieldable washer 9, of rubber, felt, or the like.

A compression spring 10 surrounds the shaft 4 and is adapted to bear at its outer end, against the flange 8 of the sleeve 7, and to bear at its inner end, against a collar 11 slidably mounted upon the shaft 4, and retained in any desired position by means of a set screw 12. Mounted upon the end of the shaft 4 which is journaled for rotation in the upright 3, is a collar 14, retained in a manner similar to that employed in connection with the collar 11. This collar 14 is adapted to bear against the face of the upright 3.

From the foregoing it will be seen, that, while the shaft 4 is rotatably mounted in the uprights 2 and 3, the spring 10, bearing at its inner end against the collar 11 will, at its outer end, bear against the flange 8 of the sleeve 7, forcing the flange against the yieldable washer 9, the washer 9 in its turn, engaging the inner face of the upright 2. By the foregoing construction, an efficient friction brake is provided, adapted to restrain the shaft 4 against rotation in the



uprights 2 and 3, it being understood, that, when desired, the shaft 4 may be forcibly rotated, by engaging the polygonal portion 5 thereof, and its extremity, with a suitable wrench or key.

Mounted upon the shaft 4 are a series of spaced plates 16, retained against movement longitudinally of the shaft 4, by means of the end collars 11 and 14, and by means of intermediate collars 15, which are interposed between adjacent plates 16, these intermediate collars 15 being retained by set screws, after the manner of the collars 11 and 14. These plates 16 constitute lateral extensions for spools 17, which are located between the plates 16. These spools are fashioned from a single strip of resilient material bent upon itself to form double walled arms 26, the bases 27 of which are adapted to engage yieldingly, the shaft 4. Upon these spools 17, is adapted to be wound a strip of lace, ribbons or the like denoted by the numeral 22. The frictional engagement between the bases 27 of the arms 26 and the shaft 4, is sufficient, so that when the shaft 4 is rotated, the spool 17 will rotate with the shaft, the lace 22 being thus reeled up upon the spool. When, however, the shaft 4 is frictionally held against rotation by means of the spring 10, the spools 17 will rotate upon the shaft 4 as the lace or ribbon is reeled off.

The forward end of the frame 1 is provided with a transverse bar 18, provided with an upright slot 19, and with a horizontally disposed slot 21, the slots extending entirely through the bar 18.

Pivoted at one end in the slot 19, are a plurality of levers 23, provided with extensions 24, adapted to engage the upper face of the bar 18, and, when the extensions 24 are thus in engagement with the bar, the body of the levers will be disposed across the slot 21. The lace or ribbon is adapted to be extended through the slot 22 and when the levers are depressed, they will engage the lace or ribbon forcing the same into the lower portion of the slot 19, thus preventing the material from being unrolled in too great a quantity from the spools 17. If desired, the forward face of the bar 18 may be provided with finger receiving seats 25 whereby the extensions 24 of the levers may more readily be engaged.

Although I have described the several collars 11, 14 and 15 as being retained in place by means of the set screws, the use of these set screws, is to be considered merely optional, since the device would be operative without them.

Having thus described my invention, what I claim as new and desire to protect by Letters Patent is:—

1. A device of the class described comprising a rotatably mounted spool; a bar supported adjacent the spool and having longitudinally extended, intersecting slots, through one of which the contents of the spool is adapted to pass; and a lever pivoted in the other of said slots and arranged to extend across the first named slot.

2. A device of the class described comprising a rotatably mounted spool; a bar supported adjacent the spool and having longitudinally extended, intersecting slots, through one of which the contents of the spool is adapted to pass; and a lever pivoted in the other of said slots and arranged to extend across the first named slot, the lever having a lateral extension to engage an outer face of the bar.

3. In a device of the class described, a supporting member; a shaft journaled at one end for rotation in the supporting member; a sleeve slidably mounted upon the other end of the shaft and arranged to rotate with the shaft, within the supporting member, the sleeve being provided with a laterally extending flange; a yieldable washer interposed between the flange and the supporting member; resilient means for holding the flange in contact with the washer; and a resilient spool rotatably mounted upon the shaft and arranged to engage the shaft frictionally for rotation with the shaft.

4. In a device of the class described, a supporting member; a shaft journaled for rotation at one end in the supporting member; a sleeve slidably mounted upon the other end of the shaft and arranged to rotate with the shaft, within the supporting member, the sleeve being provided with a laterally extending flange; a yieldable washer interposed between the flange and the supporting member; a compression spring inclosing the shaft and arranged to bear against the flange; and a spool rotatably mounted on the shaft and arranged to engage the same frictionally for rotation with the shaft; a collar adjustably mounted upon the shaft and constituting at once an abutment for the spring and a means for restraining the spool against longitudinal movement on the shaft.

5. In a device of the class described, a supporting member; a shaft journaled at one end for rotation in the supporting member; a sleeve slidably mounted upon the other end of the shaft and arranged for rotation with the shaft, within the supporting member; a collar adjustably mounted upon the shaft; a compression spring surrounding the shaft and arranged to abut against the collar and to actuate the sleeve toward the supporting member; and a resilient spool rotatably mounted upon the shaft and arranged

to engage the shaft frictionally for rotation with the shaft, the collar constituting an abutment for the spool.

6. In a device of the class described, a  
5 supporting member; a shaft journaled at one end for rotation in the supporting member; a sleeve slidably mounted upon the other end of the shaft and arranged to rotate with the shaft, within the supporting member, the  
10 sleeve being provided with a laterally ex-

tending flange; and resilient means engaging the sleeve to actuate the flange toward the supporting member.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature 15 in the presence of two witnesses.

JOSEPH H. ADKINS.

Witnesses:

JNO. A. TREDWAY,  
G. C. GILES.