No. 622,958. Patented Apr. 11, 1899.

R. J. LAY.

SHAWL STRAP AND BUNDLE CARRIER.

(Application filed Mar. 2, 1899.)

(No Model.)

Fig. 1.

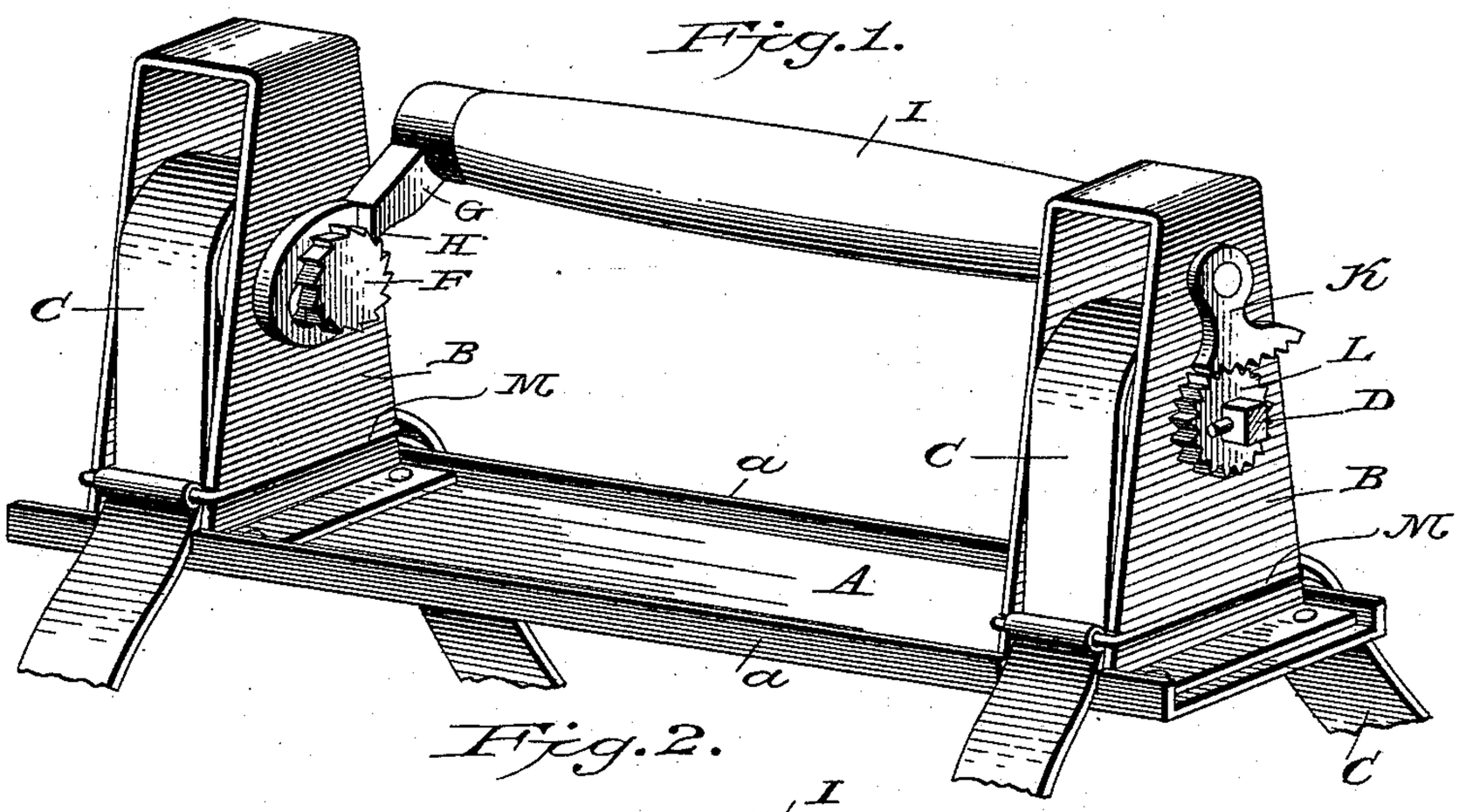


Fig. 2.

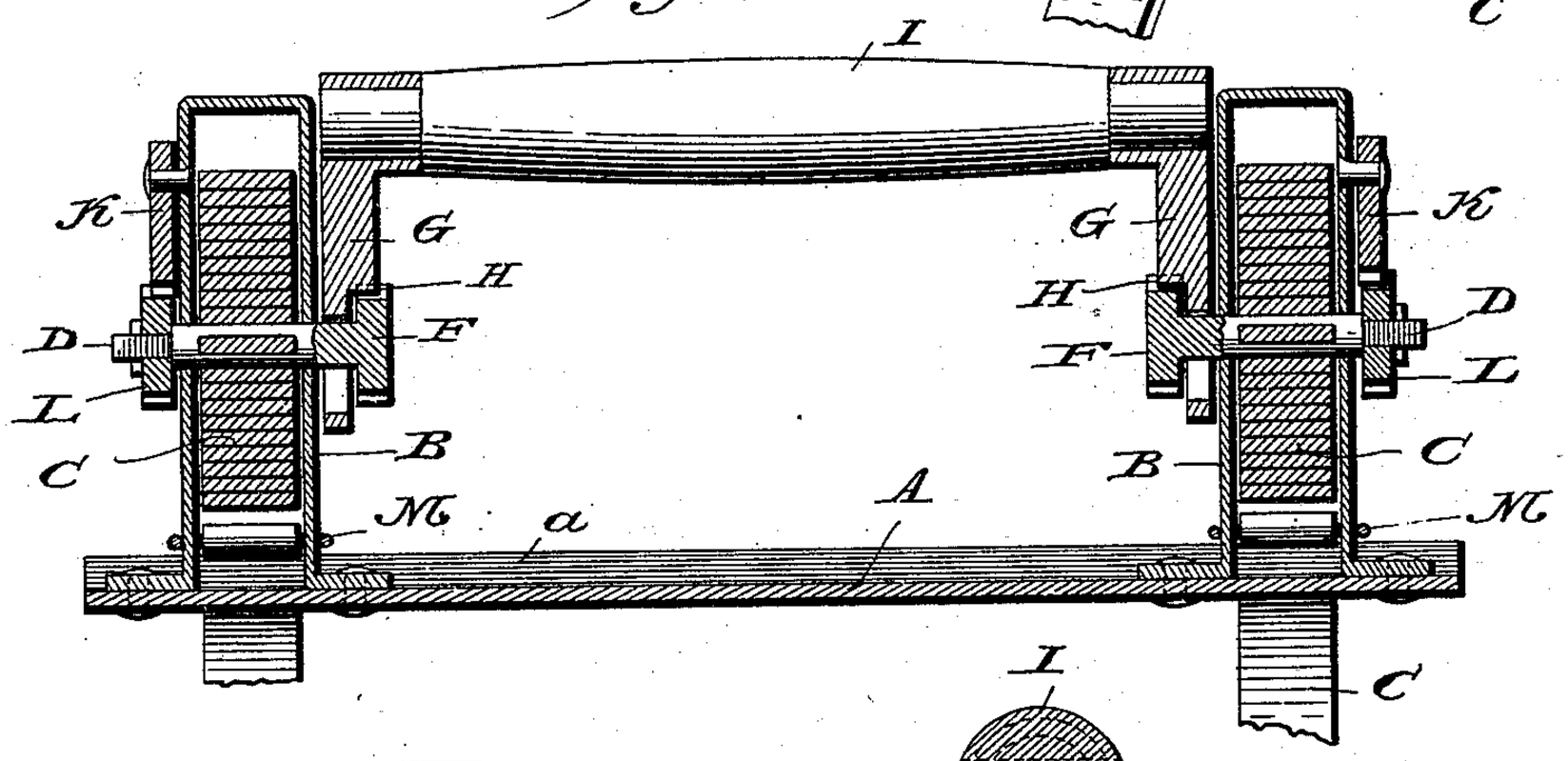


Fig. 3.

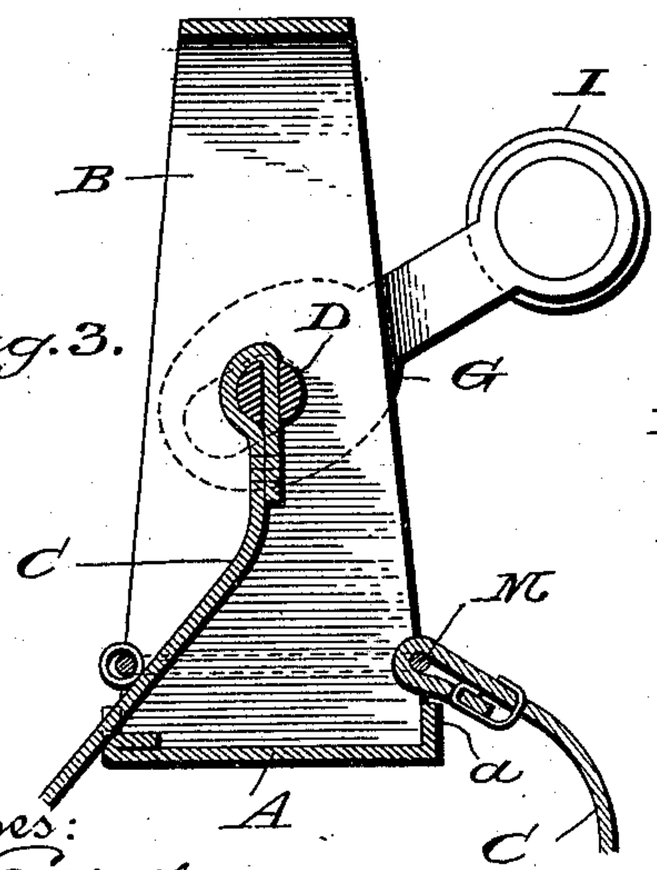
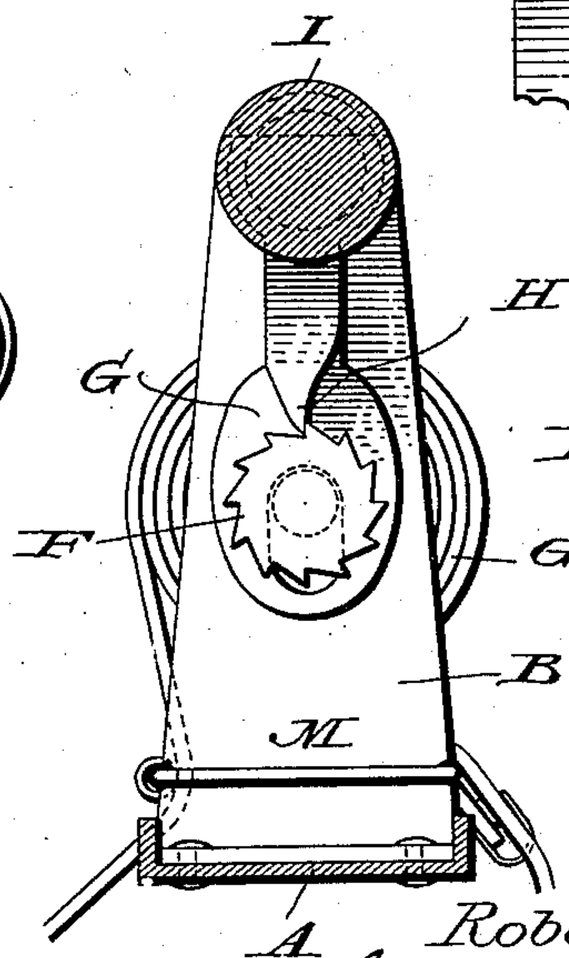


Fig. 4.



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UNITED STATES PATENT OFFICE.

ROBERT J. LAY, OF SHAWNEE, OHIO, ASSIGNOR OF ONE-HALF TO JOHN JENKINS, JR., OF SAME PLACE.

SHAWL-STRAP OR BUNDLE-CARRIER.

SPECIFICATION forming part of Letters Patent No. 622,958, dated April 11, 1899.

Application filed March 2, 1899. Serial No. 707,483. (No model.)

To all whom it may concern:

Be it known that I, ROBERT J. LAY, a citizen of the United States, residing at Shawnee, in the county of Perry and State of Ohio, have invented new and useful Improvements in Shawl-Straps or Bundle-Carriers, of which the following is a specification.

This invention relates to certain new and useful improvements in shawl-straps or bundle-carriers; and it consists in the general arrangement and construction of the parts, wherein is included a handle which has at its ends attachments or members with fixed pawls and below and to one side of said pawls elongated openings through which pass suitably-supported shafts with ratchet-wheels with which the fixed pawls may be placed in engagement, the opposite ends of the shafts having attached thereto serrated disks with which pawls pivoted to the frame engage to prevent the rotation of the shafts and the unwinding of the straps, which are attached to the central portion of the shafts. The invention also includes a bar which is stiffened by bending the edges, the shaft-supports being carried by the bar, said shaft-supports having means for connecting thereto the ends of the straps and on the opposite sides a guide-roller therefor, as will be hereinafter set forth.

In the accompanying drawings, Figure 1 is a perspective view of a shawl-strap or bundle-carrier constructed in accordance with my invention. Fig. 2 is a longitudinal sectional view. Fig. 3 is a vertical sectional view taken on the line 3 3 of Fig. 2, and Fig. 4 is a vertical sectional view on the line 4 4 of Fig. 2.

The bar or plate A is preferably of metal and has its longitudinal edges bent upward at right angles to give the desired degree of rigidity, so as to prevent longitudinal bending, and lateral bending is prevented by the base-flanges of the supports B B, these supports having their lower ends bent outwardly, which ends are riveted or otherwise secured to the bar A. At points opposite the standards or shaft-supports B B the upturned flange *a* of the plate A is cut into and bent over upon itself to provide a rounded portion or edge with which the straps may engage. The side pieces of the supports or standards are separated from each other a sufficient distance to receive the bands or straps C, which are attached to the shafts D by being passed through slots in the same. The shafts D have formed upon their inner ends ratchet-wheels F, and the elongated openings in the arms G encircle the shafts adjacent to the ratchet-wheels F and the inner sides of the standards. The arms above the slotted portions have formed integral therewith pawls H, and above said pawls sockets which receive the ends of the carrying-bar or handle I.

Pawls K are pivotally attached to the outer edges of the standards, so as to be in line with serrated disks L, which are mounted on the keyed ends of the shafts D. The pawls K K have cam-shaped or eccentric faces which may be serrated, and said pawls serve to hold the shafts against rotation in a direction opposite from that which they are turned by the fixed pawls carried by the handle.

Upon the lower part of each of the standards is secured a bail or loop M, and one of the portions of these bails or loops between the standards has thereon a roller, said roller being positioned above the notched and upset portion of the flange *a*, and to the opposite side of the loop or bail is attached the end of the strap.

Supposing that the straps are wound upon the shafts and it is desired to unwind them, by simply inverting the position of the shawl-strap the straps may be drawn out to the extent desired, as both pawls will then automatically position themselves so as to be out of engagement with the serrated disks and the ratchet-wheels. After the straps are extended the bundle is placed through them and the handle is oscillated, the pawls H sliding over the ratchet-wheels when moved in one direction and when moved in the other direction engaging with the ratchet-teeth, so as to cause a rotation of the shafts and the winding of the straps thereon. In case the straps are not wound uniformly or the bundle is larger at one end than the other one end of the handle or bar can be raised and the other end lowered so that the pawl will engage the ratchet-wheel, so that one strap can be wound independently of the other.

The arms G are rigidly attached to the handle or carrying-bar and the pawls have their

ends pointed so as to engage with the teeth when moved in one direction and slide over said teeth when moved in an opposite direction, and in carrying a bundle the handle is free to swing, the lower ends of the elongated slots then engaging with the shafts.

Numerous modifications may be made in the construction of the device, especially as to the assemblage of the parts, without departing from my invention.

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

1. In a shawl-strap or bundle-carrier, a bar having flanged edges, standards secured to the bar, shafts journaled between the standards and means for winding straps thereon, the flanged edge of the bar being cut away between the standards and upset upon itself, and guide-rollers mounted above the upset portions of the flange, for the purpose set forth.

2. In a shawl-strap or bundle-carrier, the combination with a bar, its shaft-supports or standards, of shafts having one end of straps connected thereto, ratchet-wheels connected to the shafts, means for holding the shafts against rotation in one direction, and a handle having arms with fixed pawls in line with the ratchet-wheels and elongated openings through which the shafts pass, substantially as shown.

3. In a shawl-strap or bundle-carrier, the combination with a pair of standards attached to a bar, of shafts carried by the standards, serrated disks mounted on one end of the shafts, pawls pivotally supported in line with said serrated disks, ratchet-wheels on the shafts, a handle having arms G with pawls and elongated openings through which the shafts pass, substantially as shown and for the purpose set forth.

4. In a shawl-strap or bundle-carrier, the combination with a bar or rigid base and standards fixedly attached thereto, of shafts journaled in the standards, said shafts having between the standards slots for attachment thereto of the ends of straps, a disk carried by the outer ends of the shaft and gravity-pawls pivoted to the standards for engagement therewith, ratchet-wheels fixedly attached to the shaft, a handle having arms with fixed pawls which are adapted to be placed in engagement with the ratchet-wheels and a reduced portion having therethrough elongated openings through which the shafts are passed so that the reduced portions will be positioned between the ratchet-wheels and the standards, and straps attached to the shafts and to a cross-bar carried by the standards, substantially as shown.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ROBERT J. LAY.

Witnesses:
CHARLES T. GRIFFITH,
CHARLES RUSK.