

No. 622,695.

Patented Apr. 11, 1899.

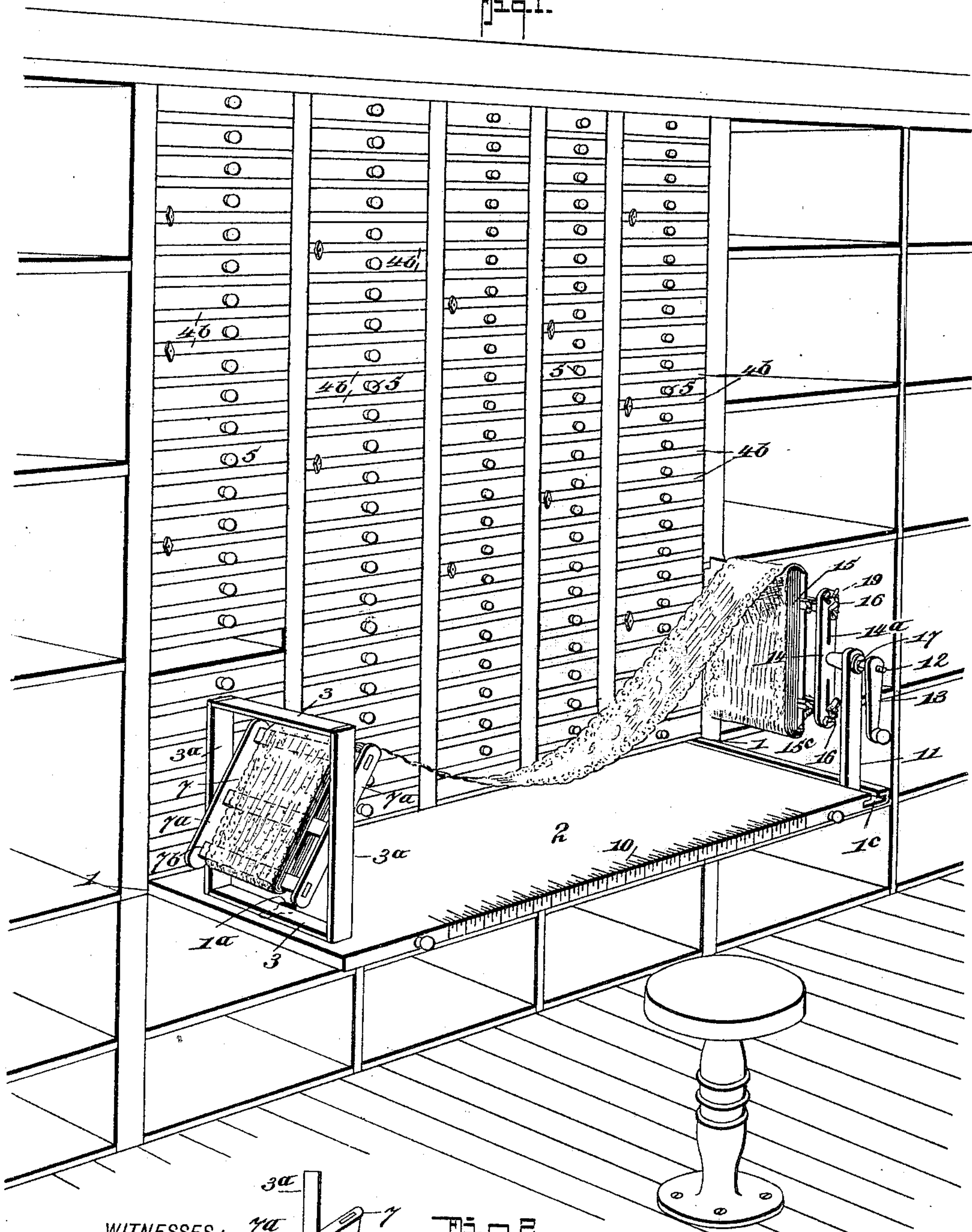
W. KURTH.
LACE HOLDER AND WINDER.

(Application filed May 13, 1898.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.



WITNESSES:

W. E. Dieterich

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Fig. 2.

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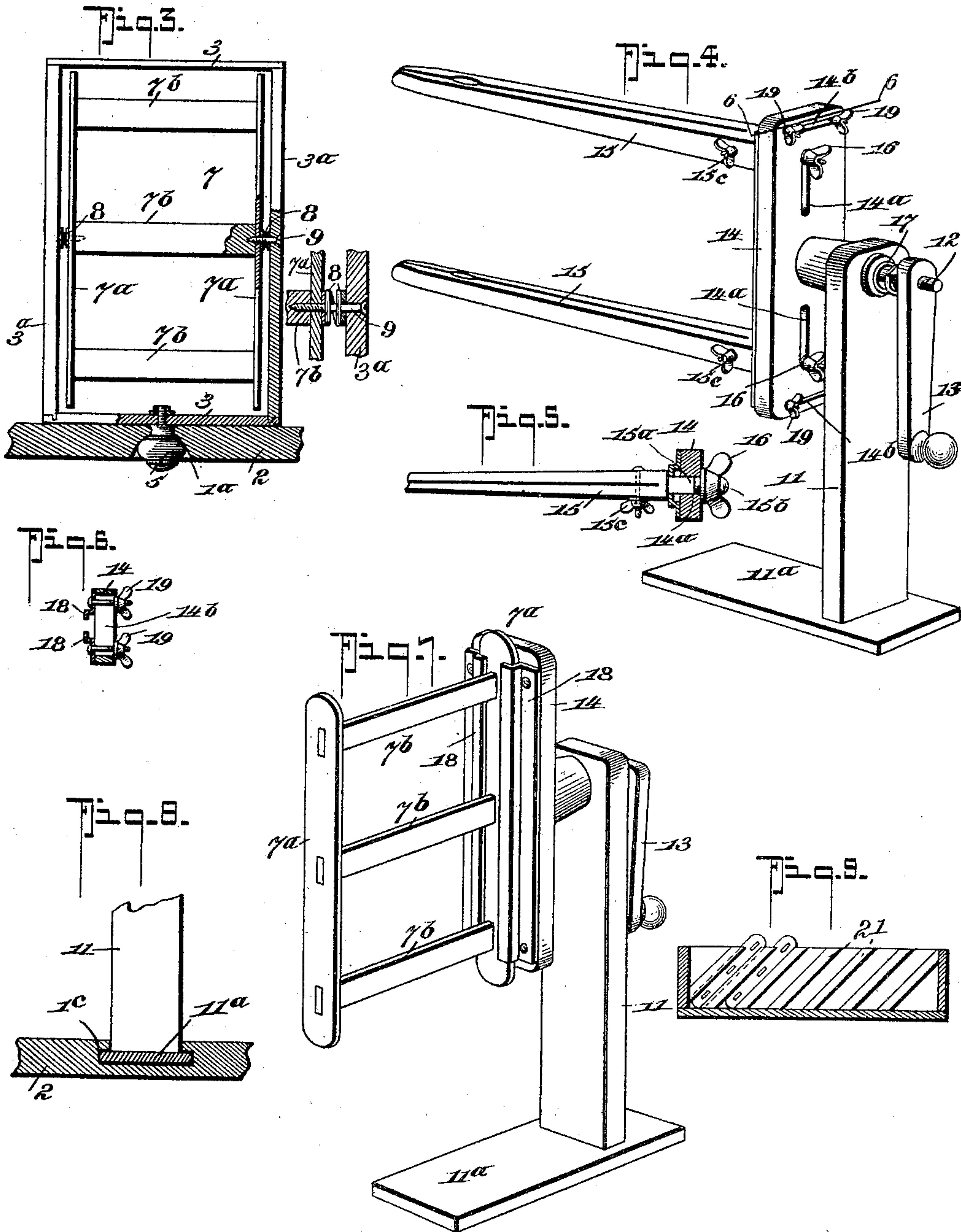
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INVENTOR
William Kurth

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UNITED STATES PATENT OFFICE.

WILLIAM KURTH, OF CASSELTON, NORTH DAKOTA, ASSIGNOR TO PAUL HENNIG, OF SAME PLACE.

LACE HOLDER AND WINDER.

SPECIFICATION forming part of Letters Patent No. 622,695, dated April 11, 1899.

Application filed May 13, 1898. Serial No. 680,605. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM KURTH, residing at Casselton, in the county of Cass and State of North Dakota, have invented a new and Improved Lace Holder and Winder, of which the following is a specification.

This invention, which relates generally to store-service appliances, refers more particularly to an appliance for dry-goods stores, the purpose of which is to provide a simple and inexpensive means for holding laces or other similar class of goods in a compact form on a suitable support, which can be used as a drawer-piece and on which the lace, braid, embroidery, or other like article can be quickly wound and unwound therefrom and which when fitted into the holding-frame will snugly fit its receiving-compartment and protect the goods thereon and keep dust from entering or settling thereon.

Another object of this invention is to provide a combination of elements forming a complete outfit for storing, winding, and unwinding laces and the like which will serve to form a compact storing or holding means, a more convenient means for handling the lace or other like article during the act of selling or exhibiting, and also for removing the lace from its pasteboard holder or bunch-form onto the combined holder and drawer-piece.

Another object of this invention is to provide a novel form of holder having a carrier revolubly and detachably mounted within the supporting-frame and capable of being interchangeably used with a specially-constructed winding device.

In its subordinate features this invention embodies certain novel features of construction and peculiar combination of parts, such as will be first described in detail and then be specifically pointed out in the appended claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improvement, showing the same as in use. Fig. 2 illustrates the holder set up and the manner of drawing off a desired quantity of the lace. Fig. 3 is a vertical section of the holder and illustrating the manner of connecting it to the supporting slide or drawer. Fig. 3^a is

a detail view of the screw-pivot and tension-spring therefor. Fig. 4 is a perspective view of the winder device. Fig. 5 is a detail section showing the manner of connecting the slitted arms to the rotary carrier. Fig. 6 is a section taken on the line 6 6 of Fig. 4. Fig. 7 illustrates the manner of fitting the detachable lace-holder member to the winder-carrier. Fig. 8 is a detail section of the slide-base connection of the winder-frame, and Fig. 9 is a detail view hereinafter specifically referred to.

In its practical application my invention comprises, first, a holder formed of what I term a "drawer" or "pusher" frame and a rotary member journaled within the pusher-frame, on which the lace is wound and which, with the lace, is capable of being slid into a suitable slideway or shelving and form a means for holding the lace out of sight and free from dust or dirt, a number of such holders being usually employed, whereby to produce a shelving or series of drawers capable of holding all the different sizes and qualities of laces, embroideries, &c., such as is usually carried in a well-equipped dry-goods or department store, the several pusher-frames being suitably numbered or otherwise marked to agree with the stock or trial book or scale.

As will be clearly seen by reference to Fig. 1, the complete set of holders or drawers are held within a fixed frame, the base of which has a horizontal way 1, extending its full length, in which is fitted a suitable slide-drawer 2, which forms the support for the lace-holders and winding devices, as will be hereinafter fully described. I desire to state, however, that while on the score of ease of manipulation and the ready application of my improvements at points where it may be deemed inexpedient to use counters I prefer to employ a supporting slide-drawer, yet, if desired, such drawer may be dispensed with and my holding and winder devices used on an ordinary store-counter.

The combined drawer or pusher frames and holders each consist of a rectangular or square frame comprising the ends 3 and sides 3^a, which are adapted to be conveniently slid into ways separated by division portions 4^b,

the said front ends of such frames having headed pull-knobs 5, as clearly shown in Fig. 1.

7 indicates the lace-holder proper, which consists of the side arms 7^a, of a somewhat less width than the sides 3^a of the pusher-frames, and cross-slats 7^b, and such holder is held to rotate within the pusher-frame, and to hold it from swinging too freely on its pivots springs 8 are interposed between its sides and the sides 3 of the outer or pusher frame disposed about the screw-pivots 9, as clearly shown in Fig. 3.

The drawer 2 has a keyhole-slot 1^a, the lower edge of the shank portion being wedge-shaped in cross-section to cause a binding action on the headed knobs 5 when the lace-holder is set up for use, as shown in Fig. 1.

So far as described it is manifestly clear that while the pusher-frame will act as a drawer to hold the lace from exposure the same will also serve as a suitable support for supporting the revolving holder when it is desired to draw off therefrom any desired quantity of the lace or other article held thereon.

In practice the operator pulls off the desired amount of lace, measuring it by a suitable measure or by the scale 10, delineated on the outer edge of the drawer 2.

In connection with this peculiar form of holder I employ a winding device, which is also detachably fitted on the drawer or slide 2 and has its base 11^a, adapted to fit a keeper-groove 1^c in such drawer-slide. The winder comprises a standard 11, projected up from the base 11^a, in the upper end of which is journaled a short shaft 12, carrying at the outer end a crank-handle 13 and at the inner end a rotary carrier-block 14, having elongated slots 14^a 14^a in its opposite ends, in which slitted arms 15 are adjustably fitted, the purpose of which will presently appear, the adjustment of such arms being provided by forming their ends with squared portions 15^a to fit the slots 14^a and terminating in threaded ends 15^b to receive the thumb-screws 16. To hold the carrier 14 from rotating too freely, a spring 17 is fitted on the shaft 12, interposed between the crank member and the standards 11.

As in practice lace-like articles are wound either in bunches or upon pasteboard centers, it follows that such bunches or lace bulk can be readily held on the arms 15. Thus when wound on board centers such boards are entered in the slits of the arms 15 and clamped by the set-screws 15^c, and when put up in bunches the arms are projected through the bunch and adjusted to snugly fit the opposing ends of the bunch-loop. When thus supported, the lace or other article can be quickly and conveniently wound off the original bunch or bulk onto the holder 7, as indicated in Fig. 1, it being obvious that in case the customer should desire a large quantity of lace from the holder and wish it wound in a

bunch on a pasteboard center the lace can be readily unwound from the holder into a bunch or on a center board by properly manipulating the winder.

To further utilize the winder to wind upon the holder 7 lace or other articles in large quantities when such articles are not put up on cards or in bunches, the carrier 14 is provided with angle-guides 18, parallelly held on the front face of the member 14 and made laterally adjustable by means of the thumb-screws 19, secured to such guides 18 and operable in the slots 14^b in the carrier, as shown. By providing the carrier with such adjustable guides it is manifest the holders 7, which can readily be released from the pusher-frames, can be slid endwise between the guides and held clamped to the carrier, it being obvious that when thus held any flexible article can be readily wound thereon, it being also clear that such form of winder can readily fill any number of frames like the holders 7 with such articles as desired, which can be slid diagonally into a suitable frame or support 21 for setting in the show-case or other observed point.

My invention is of a very simple and economical nature, provides an attractive and convenient way for handling lace or other articles free from dust, and for quick handling, and also for winding and unwinding such articles as must be frequently so manipulated in dry-goods and kindred stores.

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

1. An appliance for the purposes described, comprising a fixed receiving-compartment; a supporting-base; a frame adapted to be detachably secured to the support, and having a revoluble lace-holder, said frame and holder being adapted to slide and fit in the fixed receiving-compartment, and a winder device having means for detachably connecting it to the supporting-base, all being arranged substantially as shown and described.

2. An appliance for the purposes described, comprising a supporting-base; a frame thereon having a detachable revoluble lace-holder; a winding device secured to the base, comprising a rotary carrier, having detachable arms; and clamp-guides to receive the detachable lace-holder, substantially as shown and for the purposes described.

3. In an appliance as described; the combination with the frame, a rotary lace-holder, and a winding device; comprising a rotary carrier longitudinally slotted, and slitted arms adjustably held in the carrier-slots, substantially as shown and for the purposes described.

4. In an appliance as described; in combination; a supporting-base; a frame detachably held thereon at one end; a lace-holder rotatably mounted on such frame; a winding device detachably held on the other end of the supporting-base, said device including a rotary carrier-block; adjustable clamp-arms

and a pair of parallelly-disposed adjustable clamp-guides, adapted to receive the lace-holder arranged substantially as shown and for the purposes described.

- 5 5. An improved appliance for the purposes described, comprising a series of partitions forming a fixed frame, and a slide board or drawer at the lower end of said frame, said board having a keyhole-slot at one end, and a
10 clamp-groove at the other; pusher-frames adapted to fit in the fixed partitions a rotatable and detachable lace-holder; a winder,

having a hand-operated shaft, and a base-piece adapted to fit the clamp-groove in the slide-drawer; a carrier-block secured to the
15 winder-shaft, adjustable and detachable winder-arms, and adjustable clamp-guides, all being arranged substantially as shown and for the purposes described.

WILLIAM KURTH.

Witnesses:

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N. B. FITCH.