

(No Model.)

W. H. LEWIS.
PRINT MOUNTING ROLLER.

No. 563,044.

Patented June 30, 1896.

Fig. 1.

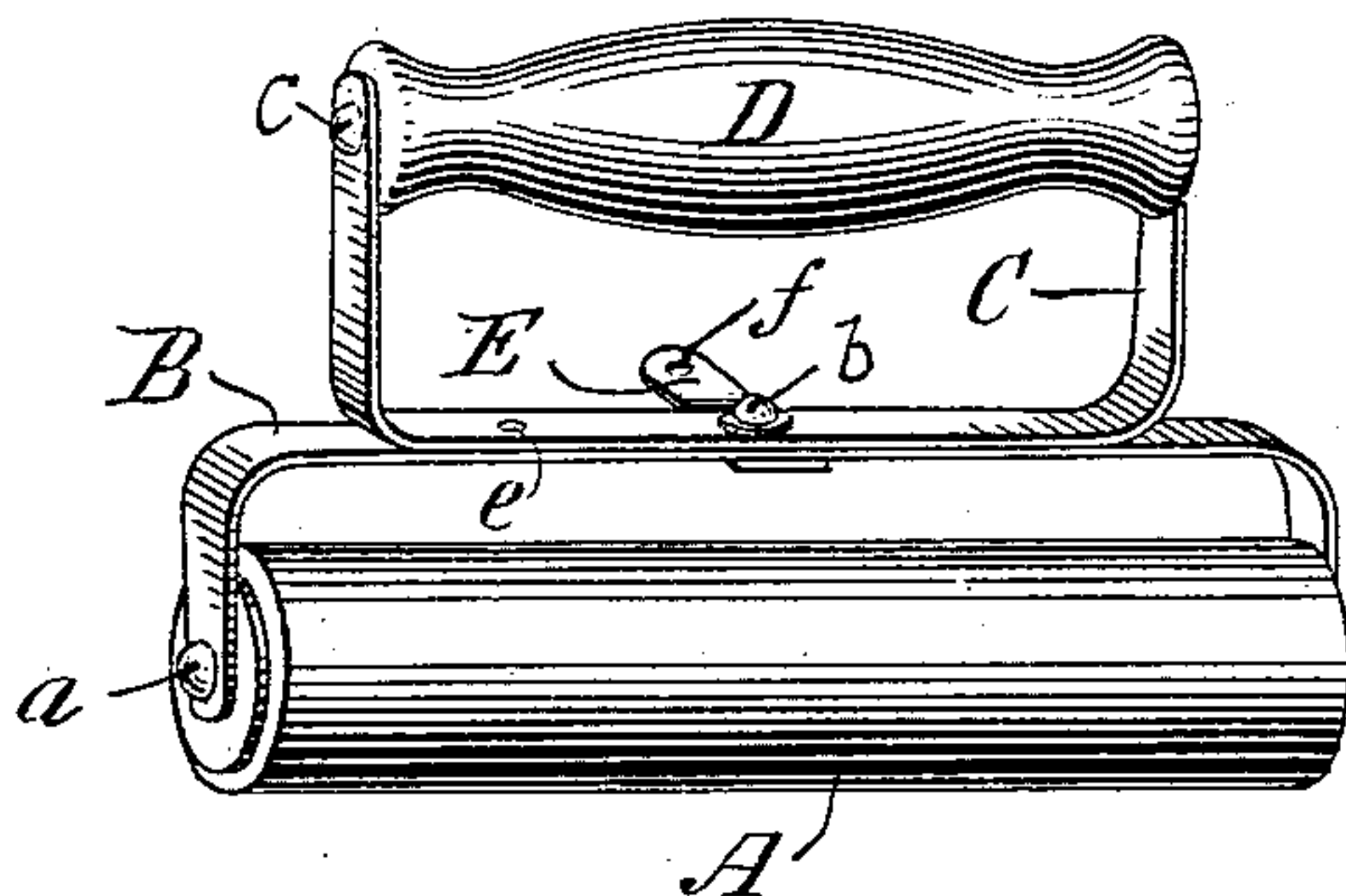
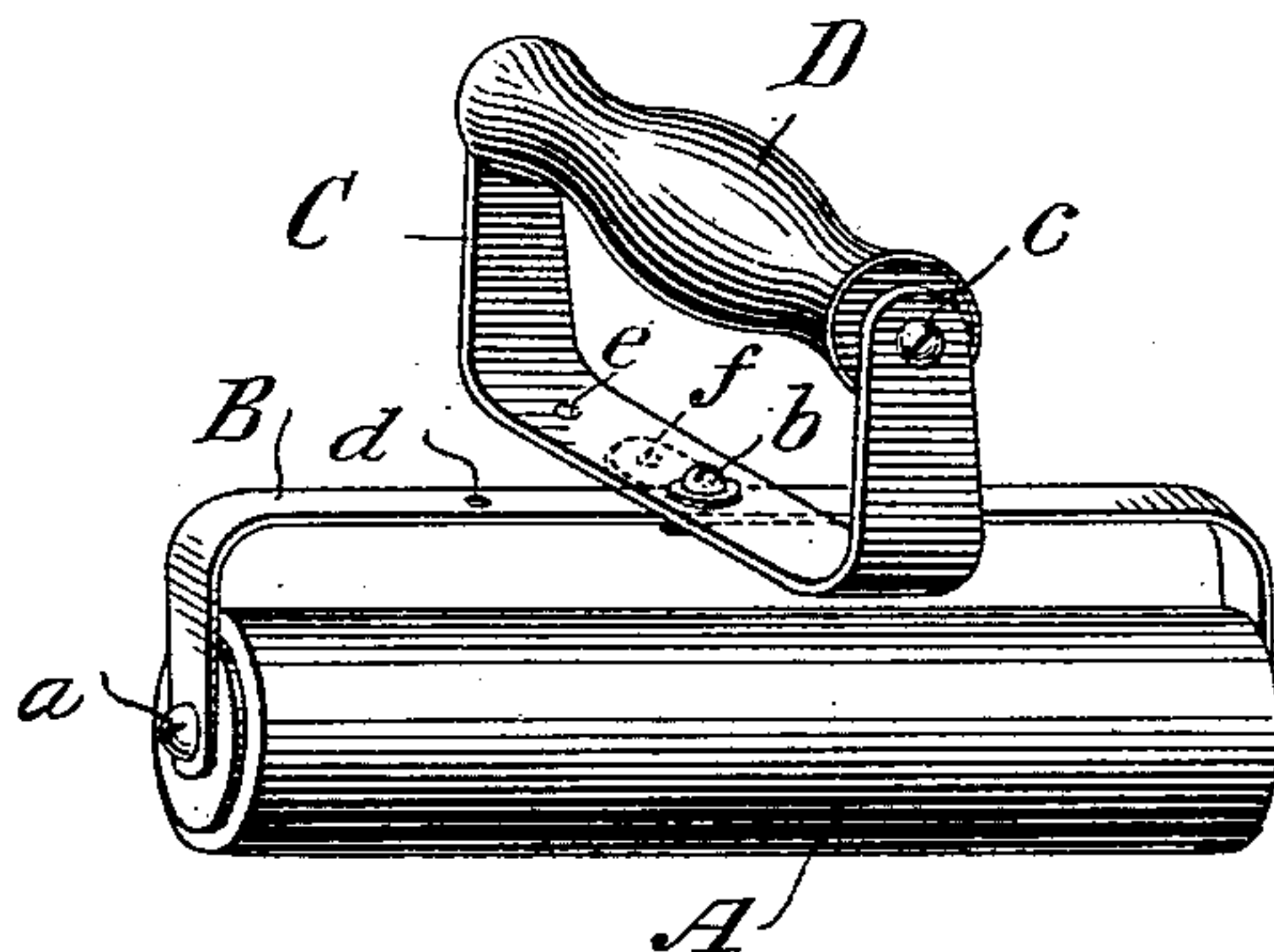


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM H. LEWIS, OF HUNTINGTON, NEW YORK.

PRINT-MOUNTING ROLLER.

SPECIFICATION forming part of Letters Patent No. 563,044, dated June 30, 1896.

Application filed January 23, 1896. Serial No. 576,544. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. LEWIS, a citizen of the United States, and a resident of Huntington, in the county of Suffolk and State of New York, have invented certain new and useful Improvements in Print-Mounting Rollers, of which the following is a specification.

This invention relates to the rollers commonly used by photographers and others in "mounting prints" and the like on stiff cardboard or other material. In photography, the "print" or positive is commonly made upon thin paper, which is, during the process, subjected to a "bath." After this step, the paper, owing to natural causes, rolls up with the print inside. In mounting prints a roller is used to press the back of the print upon the backing, to which it is caused to adhere by a suitable adhesive compound. In these old rollers the handle by which the whole is manipulated is at right angles, or nearly so, to the axis of the roller, thus making an article which is unhandy, inconvenient, and cumbersome to hang up or to lay aside, and is wasteful of space in packing for shipment.

The object of this invention is to reduce the space required for storing or packing these rollers and other objects, as will hereinafter more fully appear, while retaining all the advantages of the old rollers.

To these ends, the invention consists in a print-mounting roller and roller-carrier, combined with a handle and handle-carrier, said two carriers being pivotally attached or articulated to each other, and means for locking the two carriers to each other in one or both of two positions, in one of which the said carriers are in the same plane, or substantially so, while in the other position the said carriers are at right angles to each other, or substantially so. The invention also includes other features, as will hereinafter be set forth.

The preferred form of the invention is shown in the accompanying drawings, forming part hereof, in which—

Figure 1 is a side perspective view showing the roller, the handle, and the two carriers all as being in the same plane; and Fig. 2 is a like view showing the parts in the second position above named.

Referring to the drawings, the reference-letter A marks the roller, which is covered by

rubber, felt, or other flexible or elastic substance. This roller is suitably journaled, as by screws *a*, to the ears or ends of the bail-like sheet-metal frame or roller-carrier B. A similar bail-like sheet-metal frame or handle-carrier C is pivotally connected at its middle portion by a screw, pin, or rivet *b* to the middle portion of frame B, so that it may freely turn on said screw, pin, or rivet *b*. The handle D is suitably attached to the ends or ears of the carrier C, as by screws *c*. For the purpose of locking the handle-carrier to the roller-carrier, so the two will lie in substantially the same plane, any suitable means may be employed. The means shown for this purpose consist of a hole, recess, or indentation *d* in the frame B, which may be conveniently made by a punch, and a pin or projection *e* on the under side of the frame C, which projection may also be made by a punch. The resiliency of the frames B and C suffices to allow the projection *e* to be sprung into or out of the recess *d*. For the purpose of locking the frames B and C in positions or planes substantially at right angles to each other any suitable means may be employed, as those shown, consisting of the projection *e* of the frame C, and a recess, hole, or indentation *f* in the short arm E, projecting from the frame B, into and out of which the projection *e* may be sprung. With the parts in the positions shown in Fig. 1 the minimum space is occupied by the article, which thus requires the smallest possible box for packing, and that without waste space. Also, by reason of the bail-like frames being in the same plane, it is easy to hang the "roller" on a peg without having it sticking out in the way. When the parts are in the positions shown in Fig. 2, the article is ready for use in mounting prints.

While it is convenient to lock the parts in the positions shown in Fig. 1, I remark that the same is not essential to the invention. It is obvious, however, that the indentation *d* costs practically nothing. I remark also that in packing a roller with the parts in the positions shown in Fig. 2 about one-half the space in the box is wasted, as the rollers are packed ordinarily one to a box.

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

1. In a print-roller, the combination of a roller, a handle, a roller-carrier and a handle-carrier, with a pivotal connection between the two carriers whereby they may be moved relatively to each other, and means for locking said carriers in planes at right angles, or substantially so, to each other in position for use, substantially as described.

2. In a print-roller, the combination of a roller, a handle, a roller-carrier and a handle-carrier, with a pivotal connection between the two carriers whereby they may be moved relatively to each other, means for locking said carriers in planes at right angles, or substantially so, to each other in position for use, and means for locking said carriers in the same plane, substantially as described.

3. In a print-roller, the combination of the

roller, the bail-like frame B, the handle D, the bail-like frame C, the pivot *b*, the arm E, the projection *e* on frame C, and the indentation *f* in the arm E, substantially as described.

4. In a print-roller, the combination of the roller, the bail-like frame B, the handle D, the bail-like frame C, the pivot *b*, the arm E, the projection *e* on frame C, the indentation *d* in the frame B, and the indentation *f* in the arm E, substantially as described.

Signed at New York city, in the county of New York and State of New York, this 16th day of January, A. D. 1896.

WILLIAM H. LEWIS.

Witnesses:

WILLIS B. DOWD,
R. W. BARKLEY.