

J. A. DENAIS.
 Gage for Applying Lace to Goods.
 No. 215,584. Patented May 20, 1879.

Fig. 1.

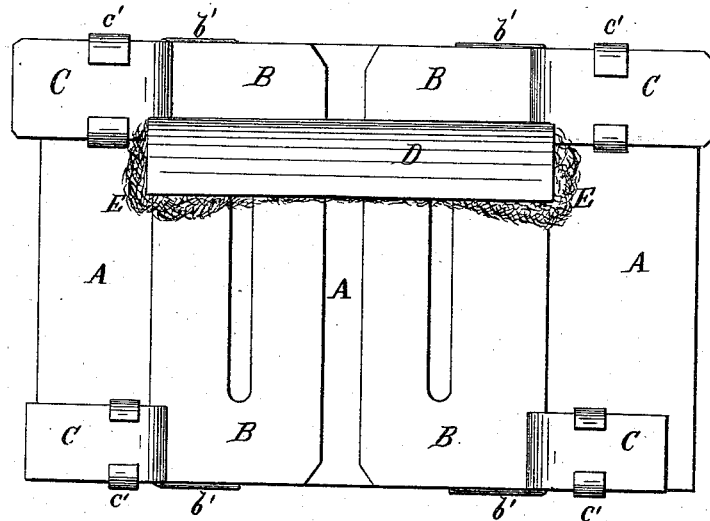
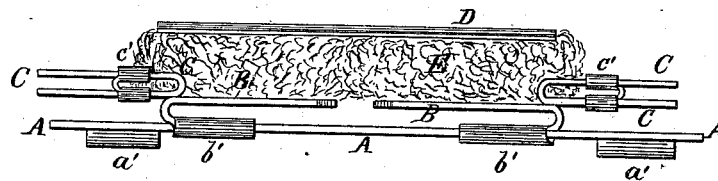


Fig. 2.



WITNESSES:

Henry N. Miller
C. Sedgwick

INVENTOR:

J. A. Denais
 BY *Mumford*
 ATTORNEYS.

UNITED STATES PATENT OFFICE

JOSEPH A. DENAIS, OF JERSEY CITY, NEW JERSEY, ASSIGNOR TO
SILBERBERG BROTHERS, OF NEW YORK, N. Y.

IMPROVEMENT IN GAGES FOR APPLYING LACE TO GOODS.

Specification forming part of Letters Patent No. **215,584**, dated May 20, 1879; application filed
October 17, 1878.

To all whom it may concern:

Be it known that I, JOSEPH A. DENAIS, of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and Improved Adjustable Gage for Applying Lace to Goods, of which the following is a specification.

Figure 1 is a top view of my improved gage. Fig. 2 is an edge view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved gage for applying lace to goods for trimming ladies' dresses, and for other uses, which shall be simple in construction, easily adjusted to different widths of goods and laces, and effective in operation, applying the lace accurately and rapidly.

The invention consists in the combination of the base-plate, the adjustable U-plates and their clamps, the reversed U-plates and their adjustable gages, and the sponge-holders with each other, as hereinafter fully described.

A is a plate, which is made of any convenient size, and is provided with spring-clamps *a'*, or other convenient means for attaching it to the table of the machine or other support. B are two U-shaped plates, the lower arms of which rest upon the plate A, and are held in place by spring-clamps *b'*, which pass around the edges of the base-plate A, so that the two plates B may be conveniently adjusted at a greater or less distance apart, as the width of the goods may require. The upper arms or leaves of the plates B have slots formed in them, for convenience in inserting the goods.

To the upper sides of the bends of the adjustable U-plates B are attached, in reversed positions, the lower sides of the bends of the U-plates C, which receive the lace, and which are provided with sliding gages *c'*. The gages *c'* slide upon the arms of the U-plates C, so that they may be conveniently adjusted as the width of the lace to be applied may require.

To the upper side of the U-plates B are attached semi-tubular plates D, to receive a sponge, E, which is designed to be kept wet with some suitable adhesive material, to cause the lace to adhere to the goods. The ends of the sponge project a little beyond the bends of the U-plates C, so as to moisten the inner edge of the lace as it passes through.

The goods and lace are designed to be fed to the gage from rollers, and from the gage they pass between calender or drying rollers, and are then wound upon a receiving-roller.

The rollers are not shown in the drawings, as there is nothing new in their construction.

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

The combination of the base-plate A, the adjustable U-plates B and their clamps *b'*, the reversed U-plates C and their adjustable gages *c'*, and the sponge-holders D, substantially as herein shown and described.

JOSEPH A. DENAIS.

Witnesses:

JAMES T. GRAHAM,
C. SEDGWICK.