(No Model.)

M. J. STEFFENS.

PHOTOGRAPHIC PRINT MOUNTING APPARATUS.

No. 582,379. Patented May 11, 1897.

Fig. 1.

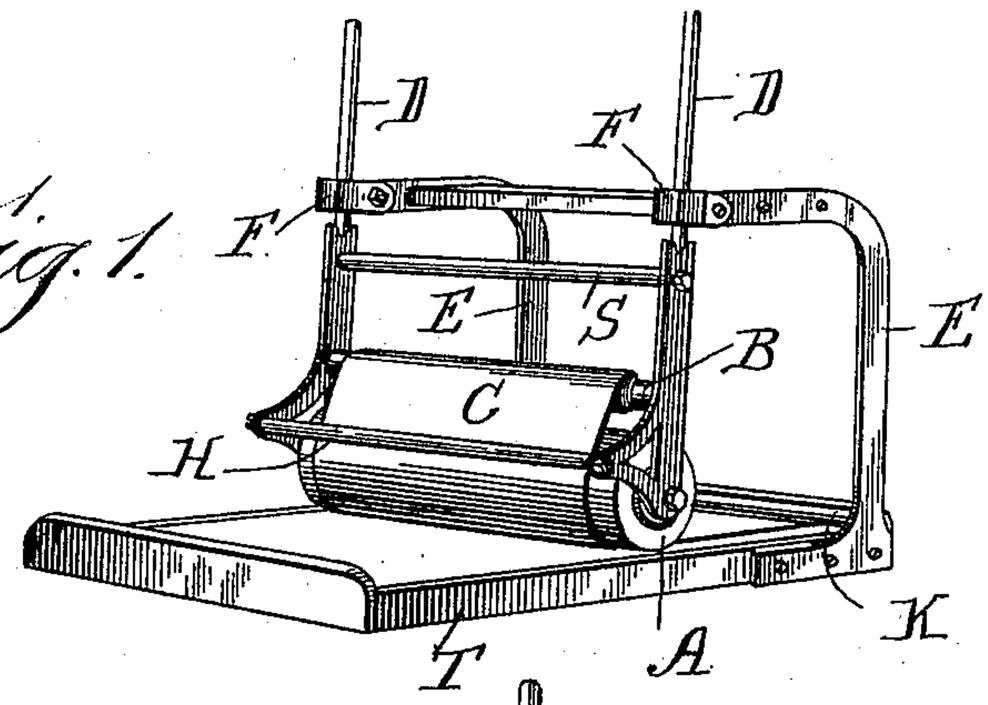


Fig. 2.

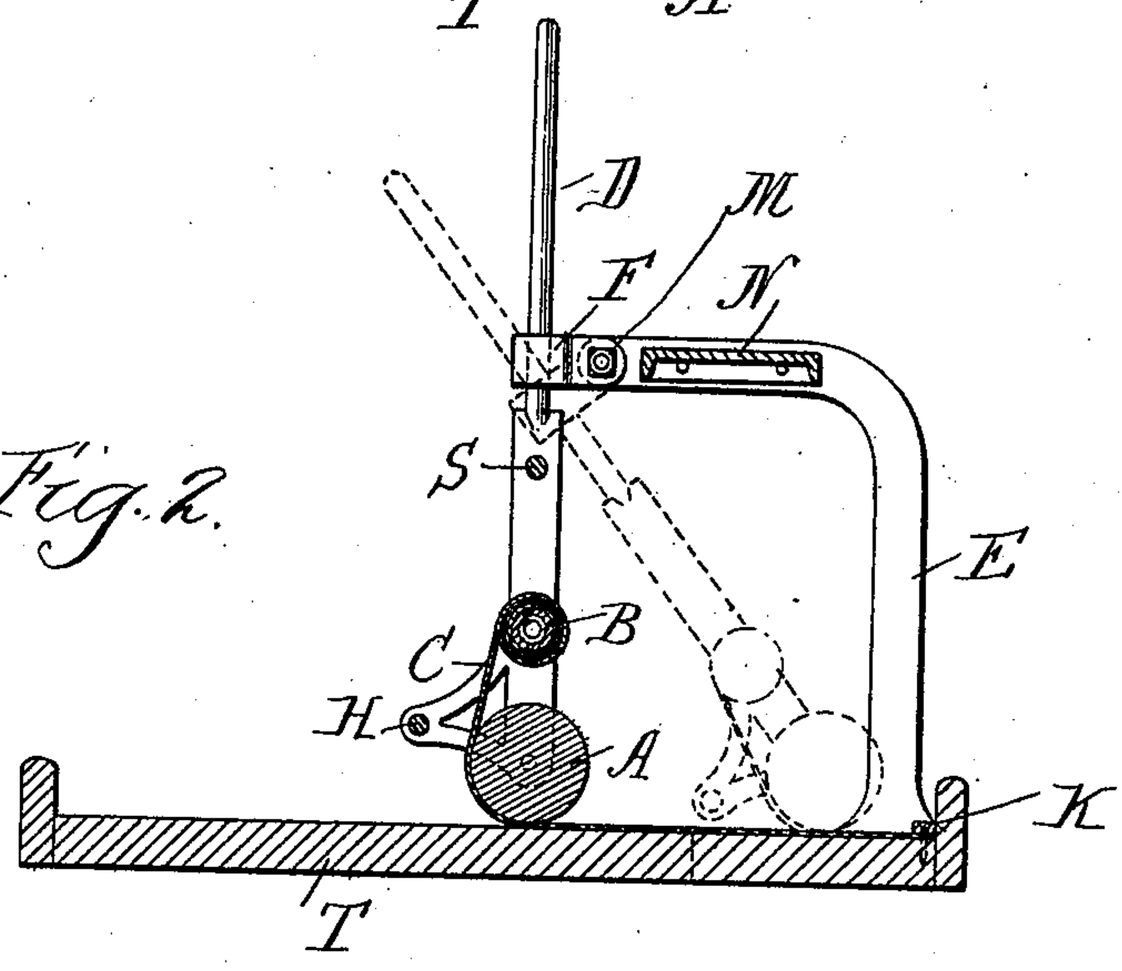
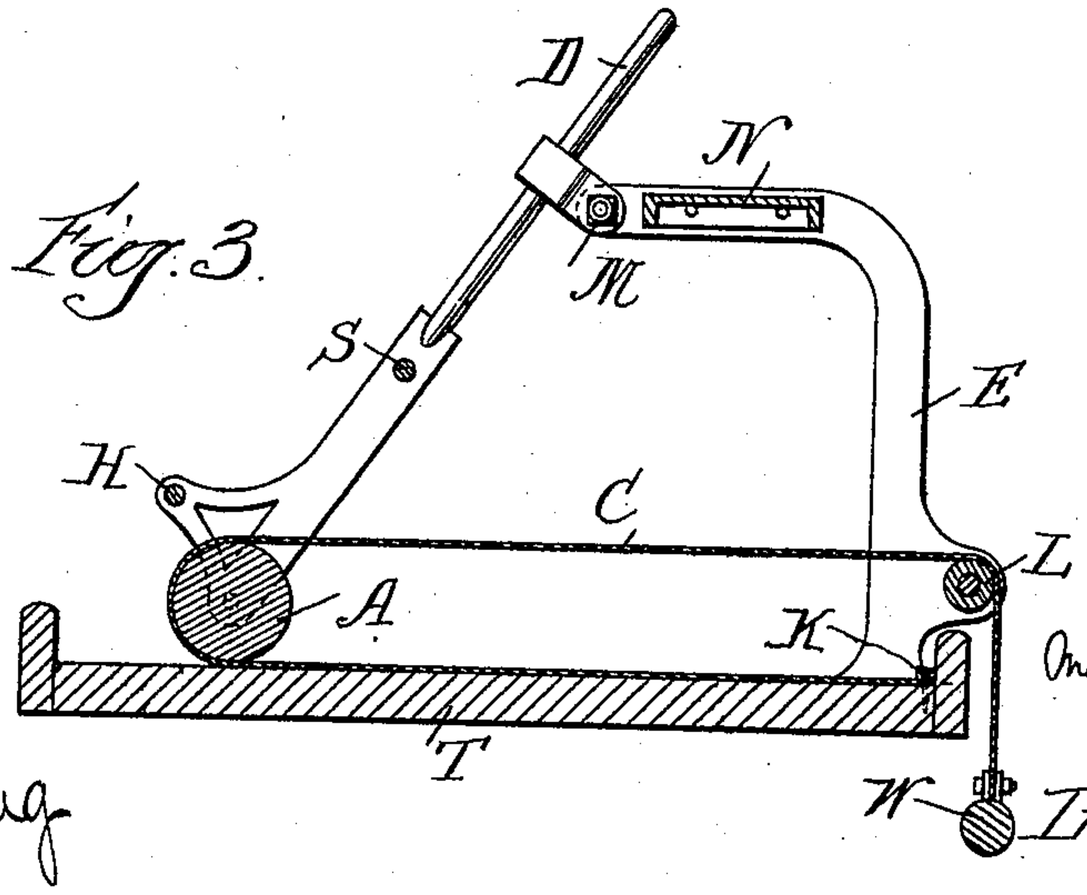


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

MATHEW JOSEPH STEFFENS, OF CHICAGO, ILLINOIS, ASSIGNOR TO THE CHICAGO PHOTO STOCK COMPANY, OF SAME PLACE.

PHOTOGRAPHIC-PRINT-MOUNTING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 582,379, dated May 11, 1897.

Application filed January 18, 1897. Serial No. 619,609. (No model.)

To all whom it may concern:

Be it known that I, MATHEW JOSEPH STEFFENS, a citizen of the United States, residing at Chicago, in the county of Cook, State of Illinois, have invented a new and useful Mounting-Machine, of which the following is a specification.

My invention relates to improvements in mounting-machines in which a heavy roller is operated in conjunction with a blanket for rolling down photographs, prints, or other things to be mounted.

The objects of my improvement are, first, to obtain a device by which prints or other things to be mounted may be rolled down by means of the weight of a roller passing over them; second, to provide a device by which a felt, canvas, or rubber blanket may be operated in conjunction with a heavy roller, so as to retain the prints or other things to be mounted in their place and prevent any slipping; third, to provide a device by which a felt or other blanket may be operated in conjunction with a roller, so as at all times to have a single thickness of blanket under the moving part; fourth, to provide a device by which the moving parts may be held in place and allowed free movement only back and forth on the mounting-table. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the entire machine as operated with a spring-roller. Fig. 2 is an end view of the machine operated with a spring-roller. Fig. 3 is an end view of the machine operated with a balanced weight in place of the spring-roller.

The table T should be of convenient size for spreading out a number of prints at the same time, and upon this table a blotter should be placed, upon which the prints may be spread face down. The heavy roller A should be long enough to reach across the table and of sufficient diameter to give the weight required to thoroughly roll down the prints. For a roller eighteen inches long it should weigh at least one hundred and twenty-five pounds. The blanket C may be made of felt, canvas, or any suitable material. One end of this blanket is attached to the table at K and should be a little narrower than the table. It then passes along the table and under and up in front of the roller A and is wound on the spring-roller B, or the construction may be modified by passing the blanket up in front of the roller A and back of the back roller L and down and be attached to the weight W. Probably the best construction is to use the spring-roller B. The roller B may be of the type of the ordinary spring-balance roller used for window-shades, but proportionately smaller. The spring contained in the roller B should be kept at such a tension as will keep the blanket tight and allow the frame carrying the rollers free motion.

The rollers A and B are carried between the uprights D D, which are held in place by the stay-rod S and the handle-rod H. The upper ends of the rods D D are turned so as to slide smoothly in the slide-bearing in the swinging elbow F F, which in turn are attached by a loose locked bolt to the curved standards E E, attached to the table. These standards E E are braced and held in place by a board N.

In place of a spring-roller B a back roller L and weight W may be substituted. This weight W should be sufficient to give the same tension to the blanket as if the spring-roller B were used.

I am aware that prior to my invention rollers have been used to roll down prints and that blankets have been used in conjunction with rollers. I therefore do not claim such combination, broadly; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

A combination, by which the weight of a heavy roller A is utilized in conjunction with a blanket C and its motion controlled by a frame consisting of curved arms E E and the upright slide D D passing through swing slide-bearings F F and carrying a spring-roller B, which operates the blanket C, one end of which is attached at the end K, so that but one thickness of blanket may be between the prints and the heavy roller A, thereby utilizing the entire weight of the roller A in all its positions in effectually rolling down the print.

MATHEW JOSEPH STEFFENS.

Witnesses:
L. F. DEARDORFF,
H. S. PAINE.