

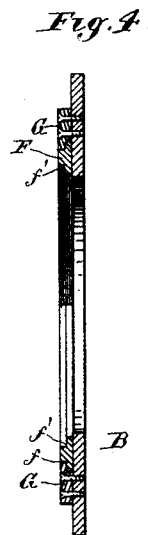
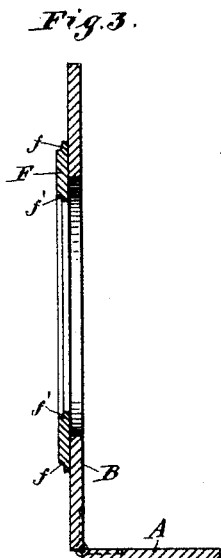
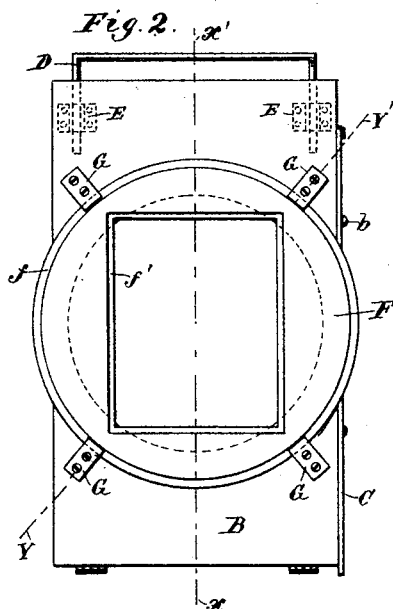
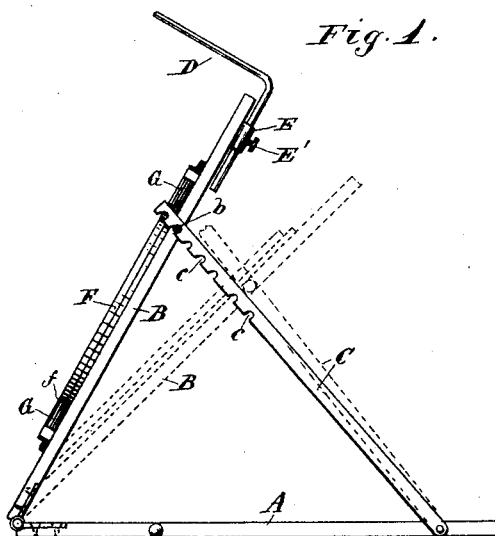
(No Model.)

C. CUTLER.

PHOTOGRAPHER'S RETOUCHING AND MARKING APPARATUS.

No. 456,555.

Patented July 28, 1891.



Witnesses
A. H. Opsahl.
Frank D. Merchant,

Inventor.
 Charles Cutler
 By his Attorney.
 Jas. F. Williamson

UNITED STATES PATENT OFFICE.

CHARLES CUTLER, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR OF ONE-HALF
TO FRANK N. SHAW, OF SAME PLACE.

PHOTOGRAPHER'S RETOUCHING AND MARKING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 456,555, dated July 28, 1891.

Application filed February 12, 1891. Serial No. 381,140. (No model.)

To all whom it may concern:

Be it known that I, CHARLES CUTLER, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Photographers' Retouching and Marking Apparatus; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to photographers' retouching and marking apparatus, and has for its object to provide an efficient device for use in retouching and marking negatives. To this end I mount on the retoucher's stand an adjustable negative-holder, whereby the negative may be swung to any desired angle. The form of adjustable holder which I prefer, and have shown in the drawings, is one which is revoluble in the plane of the support and may be held to permit this movement by any suitable means—such as, for example, keepers fixed to the support and engaging with an annular flange on the holder. The support which I prefer I have designed for use with my holder is an adjustable easel capable of being folded into compact compass, the construction for the purpose consisting of two sections pivotally connected, one of which serves as a base-plate and the other of which is adjustable therefrom and may be held at any desired angle by a brace-bar pivotally attached to the base-plate at one end and having notches at its other end capable of engagement with laterally-projecting lugs on the adjustable section. On the adjustable section I place an adjustable canopy-holder, which may consist of an ordinary bail-like bracket working through keepers provided with set-screws. The adjustable section of the easel is either a skeleton-like frame or else is cut away at its central portion for the admission of light upon the back of the negative. The negative-holder is provided with a rectangular

seat for the negative and may be adapted to any sized negative by suitable filling-pieces of the ordinary construction. (Not shown.)

The device is illustrated in the accompanying drawings, wherein like letters refer to like parts throughout.

Figure 1 is a side elevation of the device. Fig. 2 is a plan view of the device when the parts are folded together. Figs. 3 and 4 are sections, the former on the line X X' and the latter on the line Y Y' of Fig. 2.

A B C is the easel, of which A is the base-plate, B the adjustable section, and C the notched brace.

b are the lateral lugs on the section B for engaging with the notches c on the brace C.

D is the canopy-holder.

E are the keepers, and E' the set-screws working therein.

F is the negative-holder, provided with a peripheral flange f, and G are the keepers fixed to the face of the section B, engaging with the flange f.

f' is the panel-like seat for receiving the negative.

Instead of the keepers and flange, it will of course be understood that any other suitable devices may be employed for mounting the holder F, so as to permit the same to be revolved for adjusting the negative.

The use of this device is obvious. The operator having placed the negative in position can readily adjust it into any desired position with reference to the light or his own convenience for retouching or marking the picture without taking the negative from its seat. Hitherto, so far as I am aware, this adjustment of the negative has been made on a fixed support by removing the negative and replacing it in the different required positions. It was secured in its positions by tacking. To make the different adjustments, therefore, required considerable loss of time; also increasing the liability to mar or mutilate the picture.

The relative convenience and value of my device is apparent.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

5 The retouching and marking stand comprising the easel composed of the pivotally-connected sections, one of which serves as the base-plate and the other of which is adjustable at an angle thereto and securable by the pivoted brace-bar, the revoluble negative-

holder, and the canopy-holder mounted on the adjustable section of the easel, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES CUTLER.

Witnesses:

JAS. F. WILLIAMSON,

EMMA F. ELMORE.