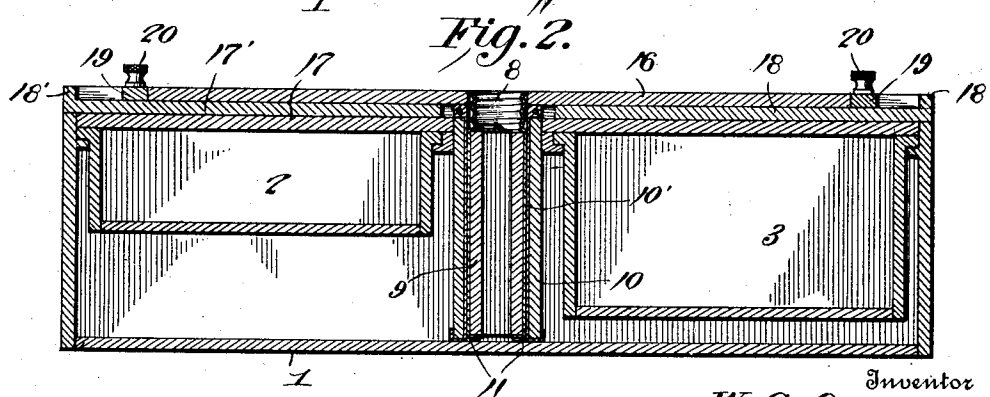
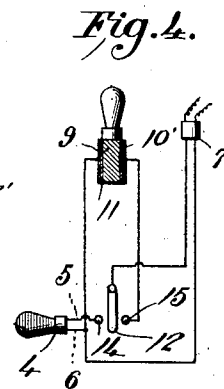
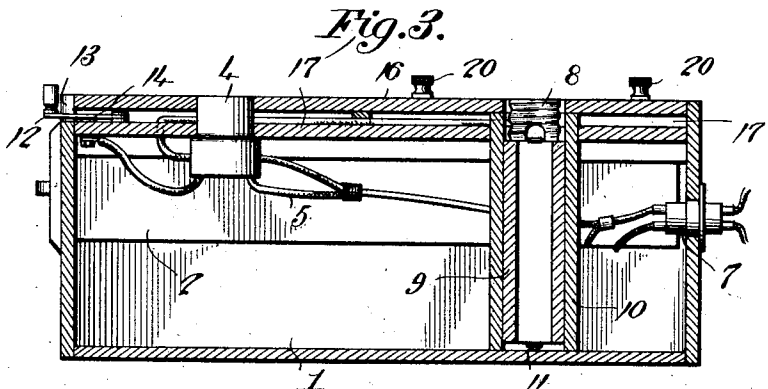
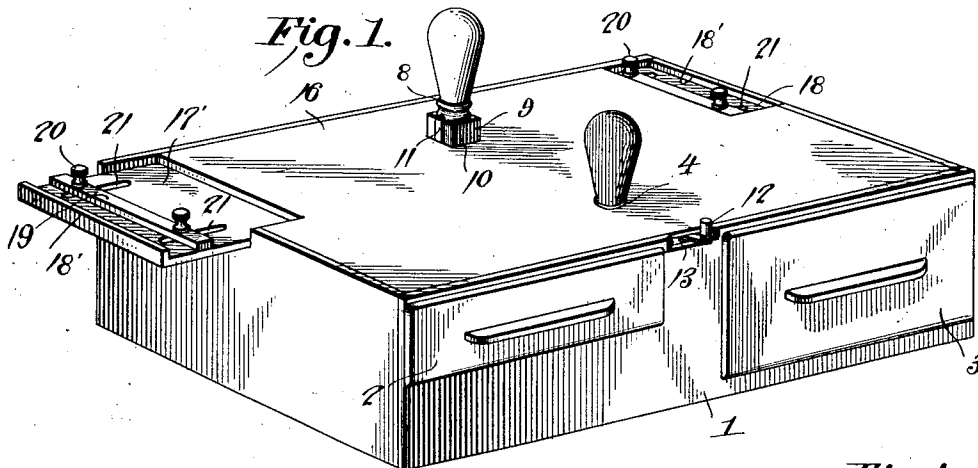


W. G. OWEN.
 PHOTOGRAPHIC PRINTING DEVICE.
 APPLICATION FILED SEPT. 25, 1912.

1,057,873.

Patented Apr. 1, 1913.



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PHOTOGRAPHIC-PRINTING DEVICE.

1,057,873.

Specification of Letters Patent.

Patented Apr. 1, 1913.

Application filed September 25, 1912. Serial No. 722,277.

To all whom it may concern:

Be it known that I, WESSON G. OWEN, a citizen of the United States, residing at Lake Geneva, in the county of Walworth and State of Wisconsin, have invented new and useful Improvements in Photographic-Printing Devices, of which the following is a specification.

This invention relates to photographic printing devices, the object of the invention being to provide a convenient device for assisting a photographer in the development or toning of photographic prints made either from films or plates, the device further assisting the photographer in making careful exposures to obtain prints from negatives.

A further object of the invention is to provide means for adjusting the distance between the light and the plate holder being exposed, and also for switching on and off alternately a white light and a ruby light.

With the above and other objects in view, the invention consists in the construction, combination and arrangement of parts, as will be hereinafter more fully described, illustrated in the accompanying drawings, and pointed out in the claims hereunto appended.

In the drawings: Figure 1 is a perspective view of the device complete, showing one of the plate holder supporting slides partially drawn out and the bulb carrying socket support partially elevated. Fig. 2 is a longitudinal section through the same taken in line with the slidable bulb support. Fig. 3 is a cross section taken in line with the sockets and showing the electrical connections and switch. Fig. 4 is a diagram of the light and switch circuits.

The device contemplated in this invention comprises a hollow box-like base 1 of sufficient height to enable one or more drawers 2 and 3 to slide into and out of the same, said drawers being adapted to contain articles convenient to the photographer in developing and printing. Near the front of the base is an electric light or bulb socket 4, from which the current wires 5 and 6 lead backward to a socket 7 in the back of the base, the last-named socket adapted to receive the terminals of a drop wire which may be attached to any overhead electric light fixture. Arranged in rear of the socket 4 is another socket 8 which is mounted on the upper end of a vertically sliding

carrier or support 9 which sets in a well 10 extending from the top to the bottom of the base, and provided at opposite sides thereof with metallic contact strips 10' which are arranged in the electric circuit controlled by the wires entering the socket 7 at the back of the base. The sliding carrier 9 is also provided with metallic contact strips 11 extending lengthwise of the opposite sides thereof for carrying the current to the bulb socket 8. The construction just described enables the rear light, which is a white one, to be elevated or lowered to any desired extent, in order to bring the light opposite the center of the printing frame, during the time of exposure.

The wires to which the sockets 4 and 8 are connected lead through a switch 12, operating in a slot 13 at the front of the base and used in conjunction with two contact buttons 14 and 15, so that by throwing the switch in one direction, the white bulb contained in the socket 8 will be thrown into circuit, and by moving the switch in the opposite direction, the ruby light inserted in the socket 4 will be thrown into action, and the white bulb will be cut out.

In the construction of the base, the latter is provided with a double top wall, consisting of an upper section 16 and a lower section 17, thereby leaving a space, in which to insert two sliding supports 17' and 18 at opposite sides of the bulb support 9. Each of said slides is provided at its outer extremity with an upstanding flange 18', and extending parallel to said flange 18' is a clamping strip 19 provided with clamping screws 20, the shanks of which pass through parallel slots 21 extending transversely to the length of the strip 19 and flange 18. This enables the strip 19 to be moved toward and away from the flange 18', for the purpose of clamping in place the lower edge of a plate holder or similar device, not shown, adapted to contain the negative and sensitized paper for making the print.

It will now be observed from the foregoing description, that plate holders of different size may be clamped upon the sliding supports provided therefor, and by sliding said supports inward or outward, the proper distance may be obtained between the negative and the light. It will also be seen that the light by which the prints are made may be raised and lowered, for the purpose of

bringing the light into horizontal alignment with the center of the negative. By operating the switch 12 in one direction, the ruby light may be energized, and at such time the plate holders may be filled. After clamping the plate holders in position for exposure on the sliding supports, the switch 12 is reversed, thereby cutting out the ruby light and cutting in the white light. The exposure may be timed by the photographer, and when a sufficient time has elapsed, the switch is reversed, so as to cut out the white light and cut in the ruby light. Then the plates or prints may be developed.

What is claimed is:

1. A photographic printing device, comprising a hollow base, sockets therein for a plurality of electric light bulbs and a conductor, an electric switch for throwing in one light at a time, a vertically sliding ele-

vating support by which one of said sockets is carried, and a horizontally adjustable plate holder supporting slide.

2. A photographic printing device, comprising a hollow base, sockets therein for a plurality of electric light bulbs and a conductor, an electric switch for throwing in one light at a time, a vertically adjustable sliding support by which one of said sockets is carried, a plate holder supporting slide movable in a plane at right angles to the plane of movement of said socket support, and means for clamping a plate holder on said slide.

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

WESSON G. OWEN.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."