(No Model.)

J. W. ALLDERIGE.

PHOTOGRAPHIC PRINT REGISTER.

No. 387,841. Patented Aug. 14, 1888.

FIG. 1.

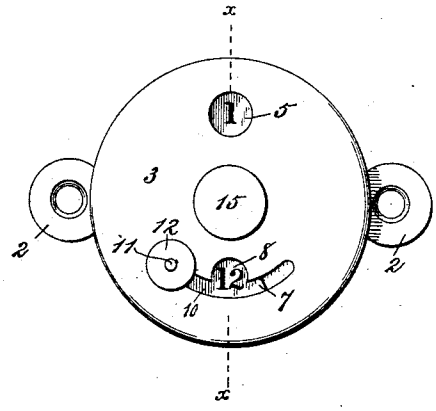


FIG. 2.

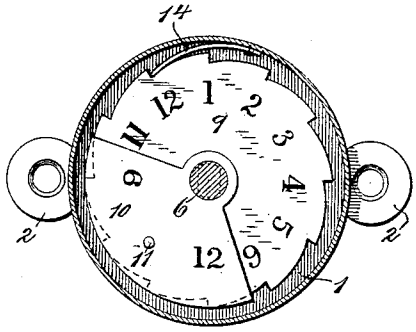


FIG. 4.

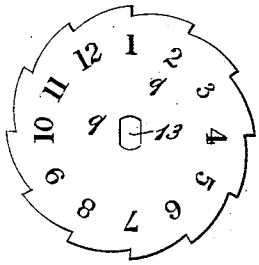


FIG. 3.

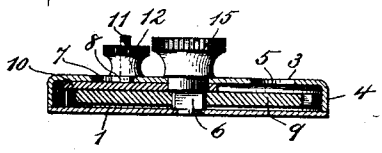


FIG. 6.

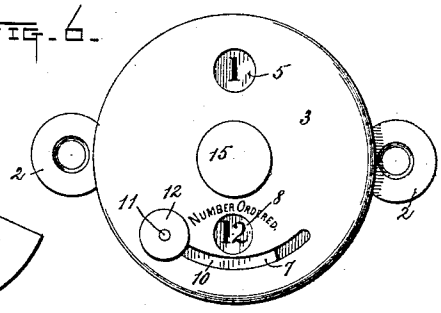
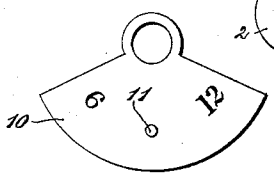


FIG. 5.



Witnesses.
E. D. Smith.
C. M. Newman.

Inventor.
John W. Allderige,
By A. M. Wooster.
Atty.

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

JOHN W. ALLDERIGE, OF WATERBURY, CONNECTICUT.

PHOTOGRAPHIC-PRINT REGISTER.

SPECIFICATION forming part of Letters Patent No. 387,841, dated August 14, 1888.

Application filed March 26, 1888. Serial No. 268,494. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. ALLDERIGE, a citizen of the United States, residing at Waterbury, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Photographic-Print Registers; 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 has for its object to produce a register which shall be simple in construction, of few parts, and easy to operate, it being of course adapted for general use, but especially adapted for photographers' use in printing from negatives, an index being provided to indicate the number of prints desired, and a register to count each print as made. With these ends in view I have devised the simple and novel construction, of which the following description, in connection with the accompanying drawings, is a specification, numbers being used to denote the several parts.

Figure 1 is an elevation of the device complete, the index denoting that twelve prints are required from a certain negative and the register denoting that the first print has been made. Fig. 2 is a view corresponding therewith, the edge of the case being in section and the face-plate removed to show the internal mechanism, which consists of two parts only and a spring; Fig. 3, a section on the line *x x* in Fig. 1; Fig. 4, an elevation of the register-plate detached; Fig. 5, an elevation of the index-plate detached, and Fig. 6 is an elevation illustrating slight changes in the details of construction.

1 denotes the back plate, which is provided with ears 2, having screw-holes for the attachment of the device in any convenient place; and 3, the face-plate, which is provided with a flange, 4, adapted to be secured to the back plate by lugs, by soldering, or in any preferred manner, with an opening, 5, at the top, through which the register-numbers may be seen, with a central opening through which the central stud, 6, passes, and with a curved slot, 7, at the bottom, having an enlargement at the center forming an opening, 8, through which the index-number is seen.

9 denotes the register-plate, which is provided with ratchet-teeth at its edge and with numbers upon its face extending from one upward, which are employed to count the prints as fast as made.

10 denotes the index-plate, which is provided with numbers on its face to indicate the number of prints required to be made from the negative that is being used. The central stud passes through the face-plate, and then through the index-plate, which is journaled thereon, turning independently.

11 is a threaded stud upon the index-plate, which passes up through curved slot 7 in the face-plate, and is engaged by a thumb-nut, 12, which screws down upon the face-plate to lock the index-plate in position, so that the required number will show at opening 8.

I have shown but two numbers on the index-plate. It will of course be understood, however, that as many numbers as are required may be placed thereon. I have also shown but twelve numbers on the register-plate. The series, however, may be carried as high as desired. The register-plate lies just below the index-plate, and is provided with a squared opening, 13, at its center, through which a correspondingly-shaped portion of the central stud passes, locking the register-plate thereto. Below the register-plate the central stud is reduced again in size, made round, and journaled in the back plate, it being headed down upon the back or secured in place in any preferred manner.

14 denotes a spring secured to flange 4 and adapted to engage the ratchet-teeth upon the edge of the register-plate, and prevent said plate from turning backward, and also by friction thereon to hold it at any position in which it may be placed. The register-plate is operated by means of a knob, 15, which is rigidly secured to the central stud.

The operation is as follows: Any number of registers may be used, depending, of course, upon the number of negatives being printed at a time, a register being required for each negative from which prints are being made. The operator first ascertains the number of prints to be made, and then loosening the thumb-nut 12 turns the index-plate until the corresponding number appears at the opening 8. Having adjusted the index of

the plate it is secured in position by turning the thumb-nut down upon the face-plate. As fast as the prints are made, the register-plate is turned to bring the corresponding number into view through the opening 5, the spring acting to lock the register-plate against backward movement, and also to prevent the possibility of forward movement, except as it is carried forward by turning the operating-knob.

Having thus described my invention, I claim—

1. A register comprising a central stud, an index-plate journaled thereon which denotes the number of prints required, a register-plate carried by the central stud, having ratchet-teeth at its edge and numbers which count the prints as made, and a spring engaging the ratchet-teeth to hold it against backward movement and by friction thereon to hold it against forward movement except when the central stud is rotated.

2. A register comprising a back plate having ears for attachment in place, a face-plate having a flange to inclose the operative parts which is attached to the back plate, openings 5 and 8 in the face-plate, a central stud journaled in the two plates, an index-plate journaled on the central stud and having numbers showing at the opening 8, for the purpose set forth, and a register-plate carried by the central stud and having numbers showing at the opening 3, as and for the purpose set forth.

3. A register comprising a face-plate having openings 5 and 8 and a curved slot, 7, a central stud, an index-plate having numbers showing at opening 8, a stud passing through the slot and a thumb-nut, whereby it is locked after adjustment, a register-plate carried by the central stud and having numbers showing through the opening 5, and ratchet-teeth at its edge, a spring engaging said ratchet-teeth, and a knob on the central stud for operating the register-plate.

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

JOHN W. ALLDERIGE.

Witnesses:

WILFRID L. HORTON,

ROBT. MATON, JR.