

J. O. JEWETT & P. F. LEONARD.

PHOTOGRAPHIC CAMERA.

No. 187,976.

Patented March 6, 1877.

Fig. 1.

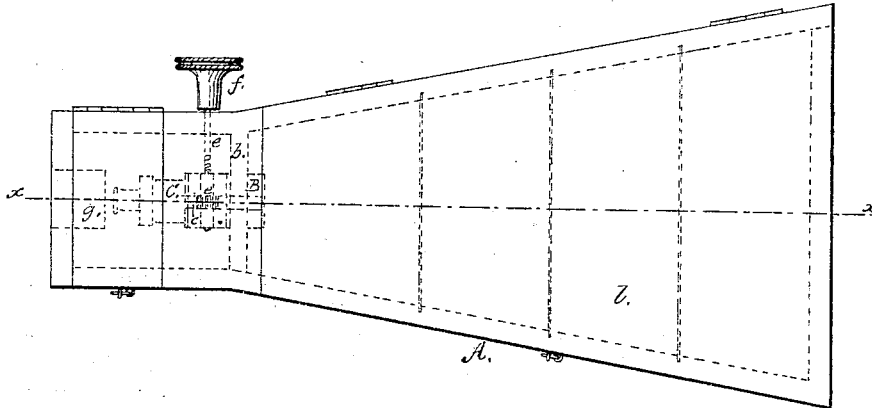
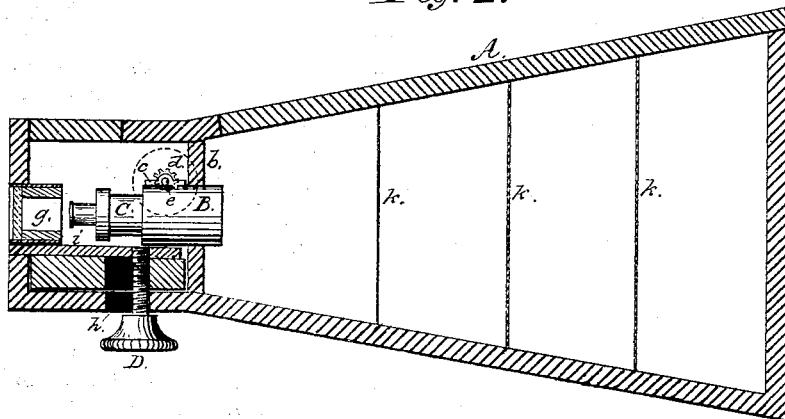


Fig. 2.



Witnesses:

George C. Poulton,
M. E. K. Howell.

Inventors

Joel O. Jewett,
Paul Peter F. Leonard
per George C. Poulton
attorney.

UNITED STATES PATENT OFFICE.

JOEL O. JEWETT AND PETER F. LEONARD, OF MACON CITY, MISSOURI.

IMPROVEMENT IN PHOTOGRAPHIC CAMERAS.

Specification forming part of Letters Patent No. **187,976**, dated March 6, 1877; application filed September 18, 1876.

To all whom it may concern:

Be it known that we, JOEL O. JEWETT and PETER F. LEONARD, of Macon City, in the county of Macon and State of Missouri, have invented certain new and useful Improvements in Photographic Instruments; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of our invention is to produce an instrument for making large photographs of any size desired from any size negative, or a large picture from a small negative, or vice versa, and to do this without the aid of a condensing-lens.

The invention consists of an elongated tapering case, divided by a series of partitions, and having the lenses for taking the negatives at the smaller square end of said case. The lens-tube is provided with an adjusting-rack operated by a pinion on a small shaft with thumb-nut. In the front end of the square part of the case is an adjustable tube-cylinder, operated by a thumb-screw at its lower end. It also consists of a hinged cover for printing the pictures after the negatives have been taken.

In the accompanying drawing, Figure 1 represents a top view of our instrument. Fig. 2 is a vertical cross-section on line *x x*.

In the drawing, A is the outer case or shell, consisting of the smaller square end divided by a partition, *b*, from the rear end of the case. In the partition is secured a tube, B, through which the negative lens-tube C slides backward and forward, and it is operated by a rack, *c*, and pinion *d*, secured on a spindle, *e*, having a thumb-wheel, *f*, on its outer end.

In the extreme forward end of the square part is a square tube, *g*, which may be ad-

justed by a thumb-screw, D, arranged on its lower end, moving in a slot, *h*, and secured to a guide-plate, *i*, which is attached to the square tube *g*. The upper side of the square part is provided with a hinged lid to facilitate the introduction of the hand for any purpose.

The rear end of the case A is tapered from the square part, and is divided by a number of partitions, *k k*, and has a hinged lid, *l*, attached to one side.

The great advantages of our instrument are, that any desired size negative can be taken, a large picture from a small negative, or vice versa, and this without the aid of a condensing-lens.

The instrument can be constructed at a very small cost in comparison with those now in use, an ordinary one not costing more than fifteen dollars, while those instruments with condensing-lenses, that take the same size picture, cost two hundred and seventy-five dollars and upward.

Another advantage is that it does away with the expense of a man or boy to attend to the register of the instrument while printing the picture, which is also a great saving to the photographer.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

The partitioned camera-box A, provided with a movable lens-tube, *c*, and adjustable tube *g*, attached to, and moving with, the guide-plate *i*, substantially as described, and for the purpose set forth.

In testimony that we claim the foregoing as our own we hereby affix our signatures in presence of two witnesses.

JOEL O. JEWETT.
PETER F. LEONARD.

Witnesses:

EDWARD S. GOLDSBERY,
WILLIAM C. BELSHE.