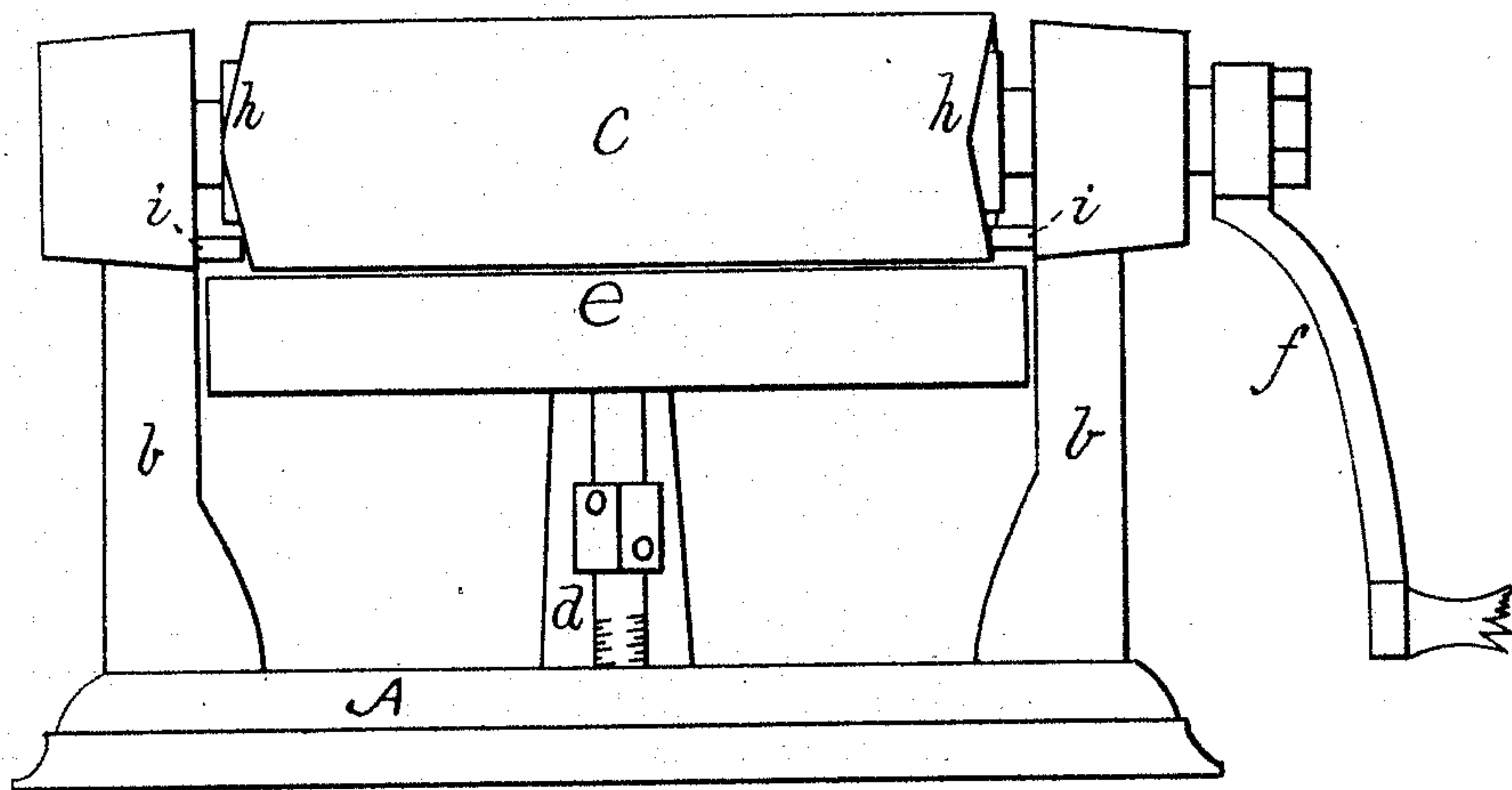


E. R. WESTON.
Burnishers for Photographs.

No. 157,898.

Patented Dec. 15, 1874.



Witness
D. P. Hall
W. E. Brown

Inventor
Emile R. Weston
Per *Franklin Leavy*
Atty

UNITED STATES PATENT OFFICE.

EMILE R. WESTON, OF BANGOR, MAINE, ASSIGNOR TO JOSEPH PARKER
BASS, OF SAME PLACE.

IMPROVEMENT IN BURNISHERS FOR PHOTOGRAPHS.

Specification forming part of Letters Patent No. **157,898**, dated December 15, 1874; application filed
April 8, 1874.

CASE A.

To all whom it may concern:

Be it known that I, EMILE R. WESTON, of Bangor, in the county of Penobscot and State of Maine, have invented certain new and useful Improvements in Burnishers for Photographs, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, that 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 the letters of reference marked thereon, which form a part of this specification, in which—

Figure 1 shows a front view of a burnishing-machine with my improvement thereon.

My invention relates to that class of burnishing-machines for photographs, &c., in which the card is fed over the surface of a burnishing-tool by the action of a feeding-roll; and consists of a device whereby a compound motion is given to the card, made up of a slight motion lengthwise of the burnishing-tool, as well as the usual movement across it.

I effect my purpose by giving a slight longitudinal as well as a rotary motion to the feeding-roll, the surface of which, being less highly polished than that of the tool, carries the card with it, and communicates to it the compound motion before described.

Referring to the drawing, A shows the bed-plate of a burnishing-machine; *b b*, standards erected thereon supporting the feed-roll *c*; *d*, a standard for supporting the plate carrying the burnishing-tool *e*. At *f* is a crank, by which said roll may be turned. It receives its endwise or vibratory motion from a cam, *h*, working in the machine, (shown in the draw-

ing,) against a stud or pin, *i*, projecting from the inside of the standard *b*. As shown, a cam is used at each end of the roll; but the same effect may be produced by a single stud or pin working in an irregular groove in the surface of the roll. But I do not limit myself to the precise mechanical devices shown for giving vibration to the roll.

I do not claim the devices shown in the patent of Shepherd and George, dated July 17, 1866, reissued Nov. 17, 1868; in this the roll has no feeding function whatever. Nor do I claim the devices shown in Wm. G. Entrekin's patent of December 2, 1873, in which the roll feeds in a straight line only in one direction, and the burnishing-tool oscillates under it.

My feed-roll is intended to feed the card in two directions, viz., across the burnishing-tool, and also in the direction of its length. It is in effect a two-way feeding-roll, a device not found in either of the above-mentioned patents.

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

In a burnishing-machine, substantially as herein described, the combination of a rotating and vibrating feed-roll with the burnishing-tool, whereby a compound motion, substantially as set forth, is communicated to the article to be burnished as it passes over said tool.

In testimony that I claim the foregoing I have hereunto set my hand this 6th day of April, 1874.

E. R. WESTON.

Witnesses:

WM. FRANKLIN SEAVEY,
J. P. BASS.