

(No Model.)

J. LACHLER.
PRINTER'S QUOIN.

No. 363,471.

Patented May 24, 1887.

Fig. 1.

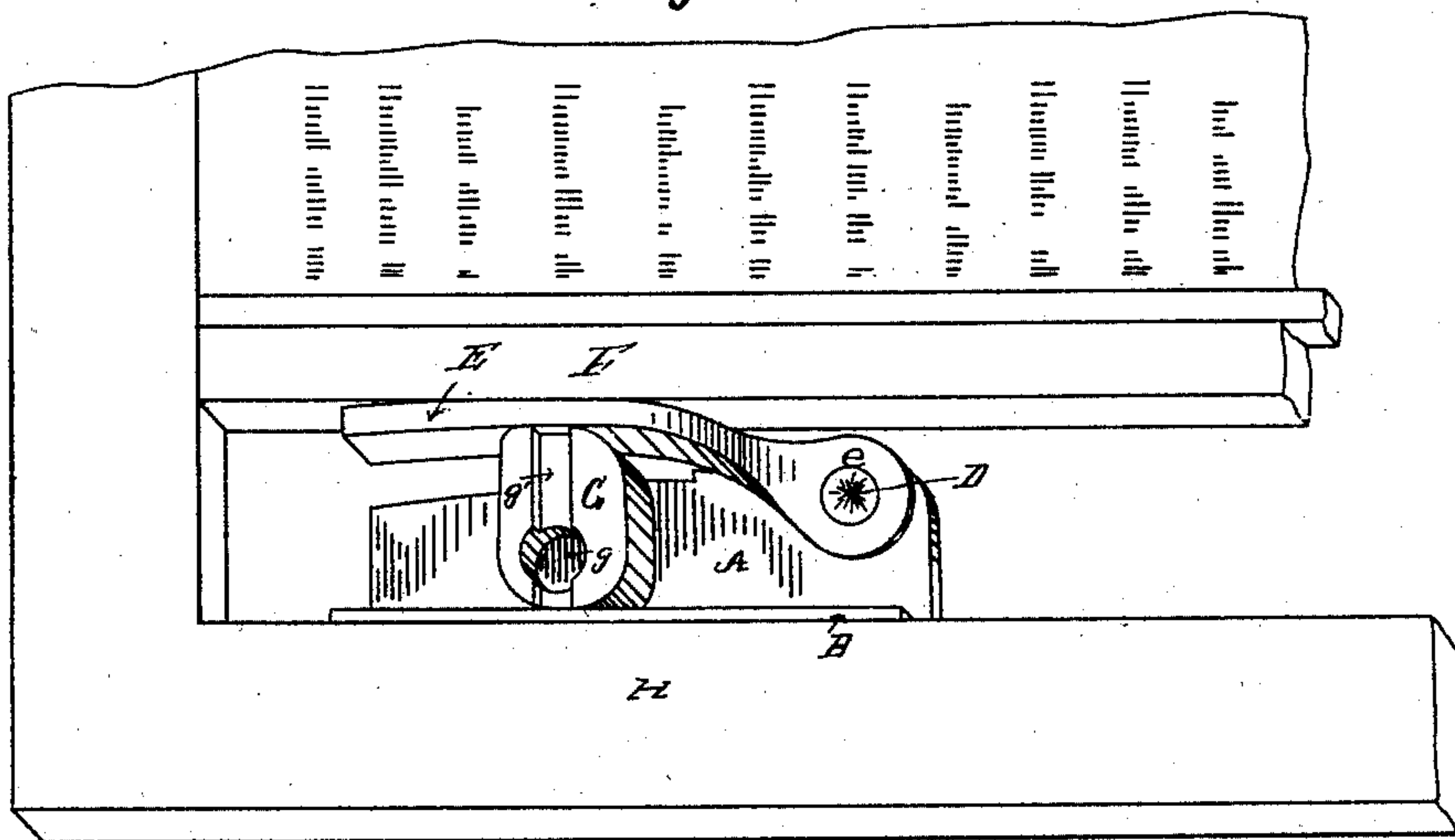


Fig. 2.

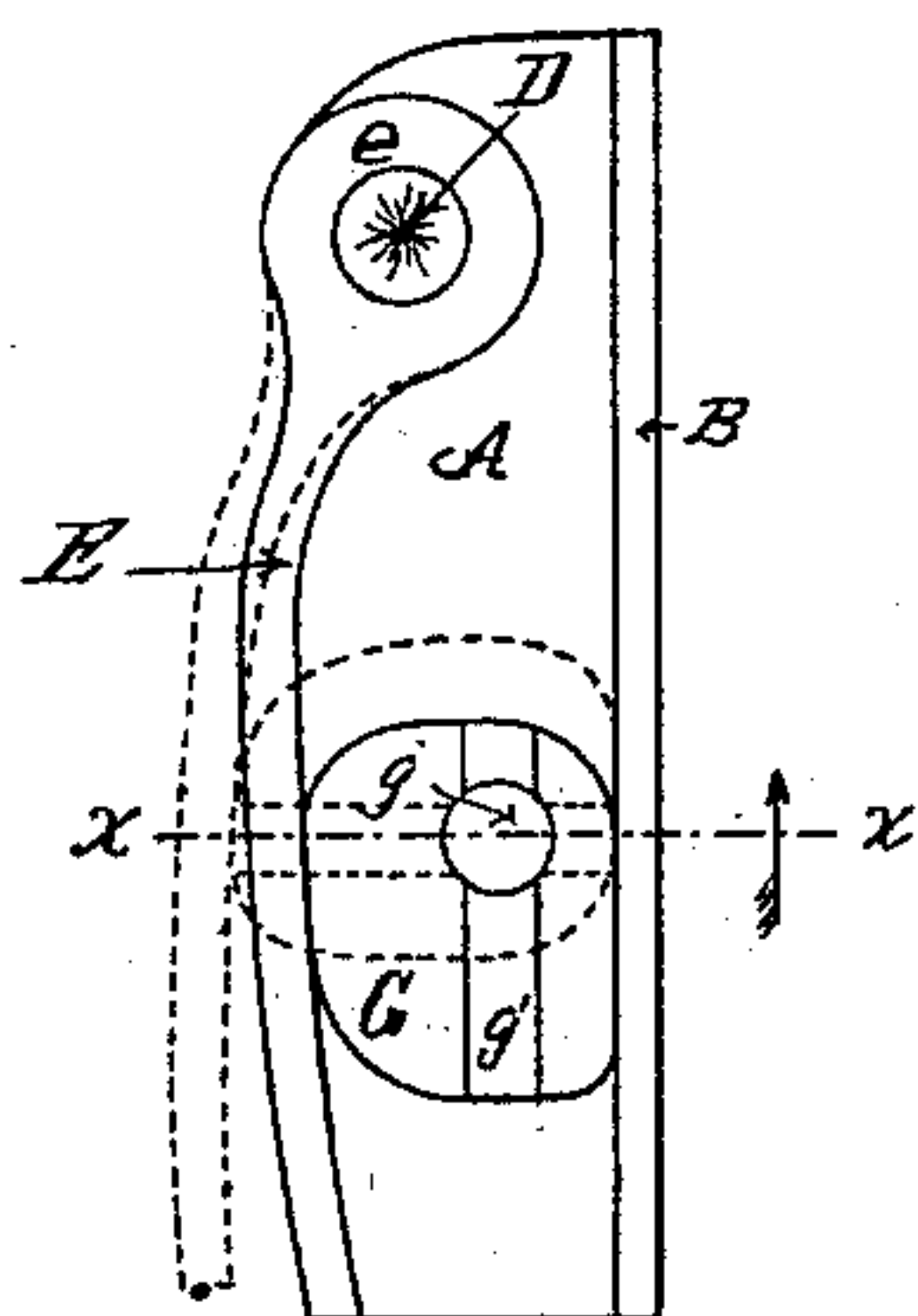
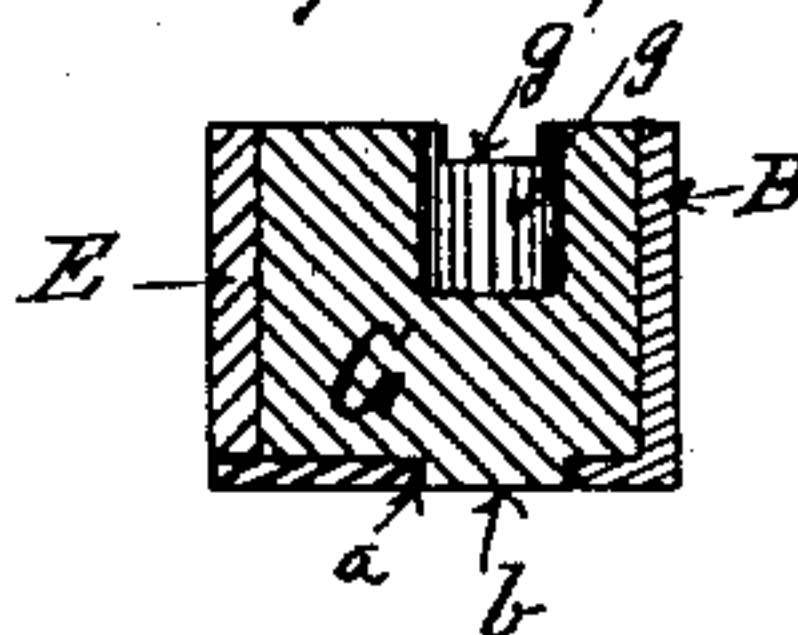


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

JOHN LACHLER, OF ERIE, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO
FRANK A. KLINK, OF SAME PLACE.

PRINTER'S QUOIN.

SPECIFICATION forming part of Letters Patent No. 363,471, dated May 24, 1887.

Application filed March 18, 1887. Serial No. 231,454. (No model.)

To all whom it may concern:

Be it known that I, JOHN LACHLER, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Printers' Quoins; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

My invention relates to printers' quoins; and it consists in the improvements hereinafter set forth and explained.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a section of a printer's chase and form, showing my improved quoin in place therein. Fig. 2 is a top or plan view of my improved quoin. Fig. 3 is a cross-section of the same on the line $x x$ in Fig. 2.

Like letters refer to like parts in all the figures.

In constructing my improved quoin, I make the bottom A and one side, B, in a solid piece, preferably of malleable iron, cast with a stud-pin, D, on the bottom A, to receive the movable arm E, which constitutes the other side of the quoin. This arm E is provided with an eye, e , in one end, adapted to fit on the stud-pin D. The body of the arm E is also slightly curved at each end, so that when it is forced out against the side-stick F of a form one-half or more of the length of the arm E is parallel with the other side, B, of the quoin.

Through the bottom A of the quoin I make an opening, a , in which I rivet the stud b on the cam G, so that the cam G will turn easily therein. This cam G is irregular in shape, and is provided with a central hole, g , and a slot, g' , in the upper end thereof, to receive a winch for turning the cam.

In operation, the cam G is turned, as shown in Fig. 2, and placed between the chase H and side-stick F of the form. The cam G is then turned, as shown by the dotted lines in Fig. 2, which operation forces the arm E outward and tightens the quoin between the chase and side-stick of the form, as shown in Fig. 1, in which position it remains until removed by turning the cam back.

Having thus fully described my invention, so as to enable others to construct and use the same, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination, in a printer's quoin, of an arm hinged to the body of the quoin, and forming one side thereof, with a cam operating between said hinged arm and the fixed side of the quoin, substantially as and for the purpose set forth.

2. The combination, in a printer's quoin, of the bottom A and fixed side B with the hinged arm E and cam G, substantially as and for the purpose set forth.

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

JOHN LACHLER.

Witnesses:

F. A. KLINK,
H. J. CURTZE.