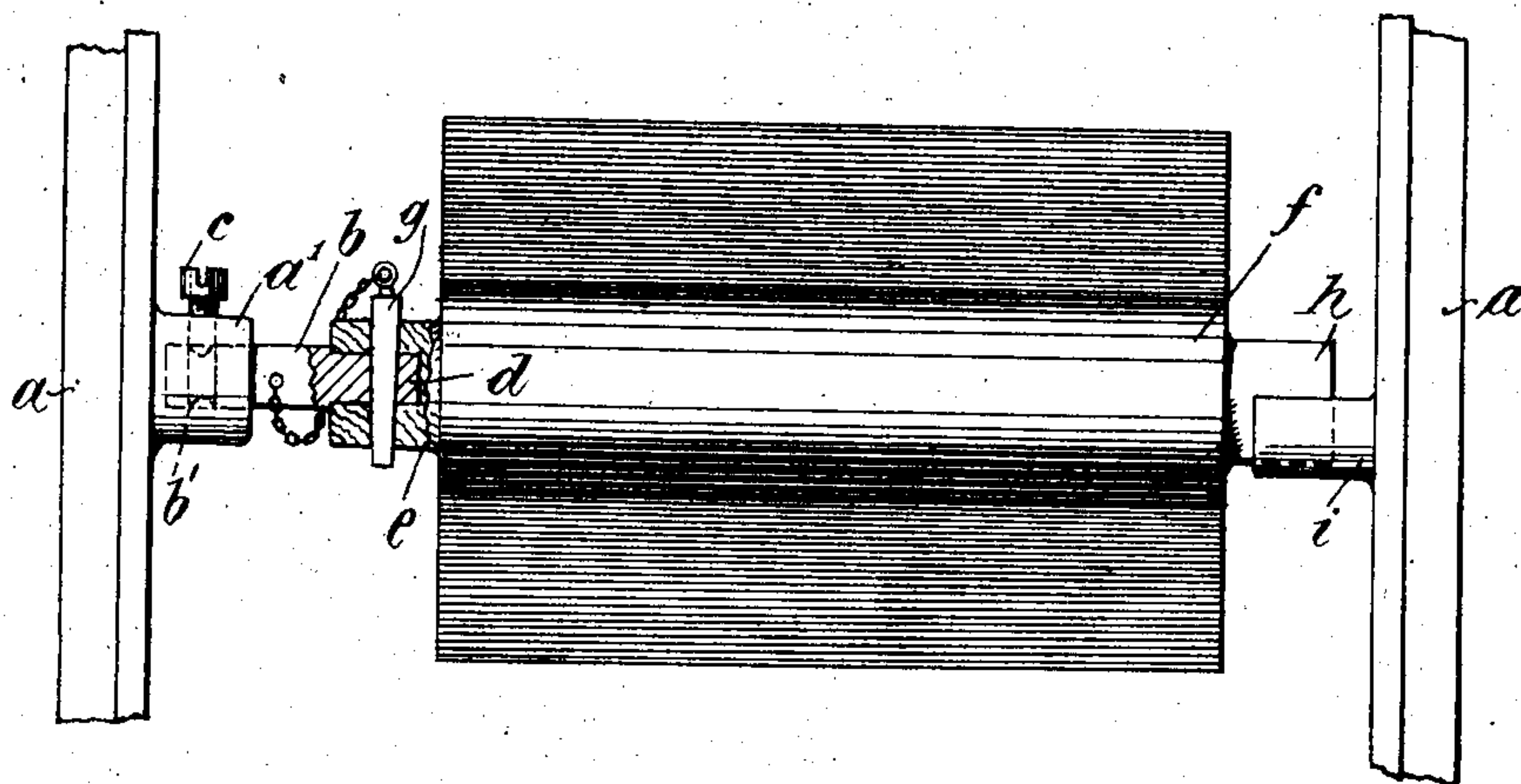


No. 834,657.

PATENTED OCT. 30, 1906.

G. BLUEN.
COPYING PRESS.

APPLICATION FILED FEB. 16, 1906.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORG BLUEN, OF BERLIN, GERMANY.

COPYING-PRESS.

No. 834,657.

Specification of Letters Patent.

Patented Oct. 30, 1906.

Application filed February 16, 1906. Serial No. 301,477.

To all whom it may concern:

Be it known that I, GEORG BLUEN, a citizen of Germany, residing at 130 Leipzigerstrasse, Berlin, Germany, have invented new and useful Improvements in Copying-Presses, of which the following is a specification.

My invention relates to improvements in bearings for the rolls of copying-paper employed in copying-presses. Such rolls are usually provided with a wooden roller which projects at both sides, the roll being mounted in the copying-press frame simply by the provision of trough-shaped projections or semi-rings on the inner side of the cheeks to receive the projecting ends of the wooden roller.

The purpose of my invention is to provide a more satisfactory bearing for the paper-roll without, however, ready insertion and removal of the roller being interfered with.

The improvement consists in mounting on one or both of the cheeks of the press-frame a rotary member with which the wooden roller of the paper-roll is coupled coaxially in a simple manner.

One form of the new bearing is illustrated in the accompanying drawing, in which the figure is an elevation and part longitudinal section.

One of the cheeks *a* of the press-frame has a boss *a'* bored to receive the pin *b*, which is prevented from shifting by means of a screw *c*, the end of which engages in an annular groove *b'* in the pin *b*. The inner end *d* of the pin *b* is flattened and takes into a corresponding slot or hole *e* in the end of the wooden roller *f* of the paper-roll, being secured coaxially therein in the proper position

by means of a pin *g* or the like fastened to the chain. At the other side the second end *h* of the wooden roller, which in this manner is correctly mounted, lies in a trough-shaped projection *i*, protruding from the other cheek of the frame.

It is obvious that the coupling between the wooden roller of the paper-roll and the rotary member mounted in the cheek can be effected in various other ways than that shown and that this coupling may be used not only at one but at both sides of the wooden roller. Thus, for instance, the wooden roller may enter the rotary member *d*.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

In a copying-press, in combination, a roller for the paper-roll, a press-frame having a hollow boss, a pin *b* having an annular groove adjacent one end, said end fitting in the boss, a screw passing through the boss and engaging in the groove, the other end of the pin being flattened, said paper-roller having a correspondingly-shaped hole in one end into which the flattened end of pin *b* engages, a pin *g* for securing the flattened end of pin *b* in said hole, a trough-shaped projection on the other side of the frame and a boss at the end of the paper-roller engaging therewith.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORG BLUEN.

Witnesses:

HENRY HASPER,
HANS HEIMER.