

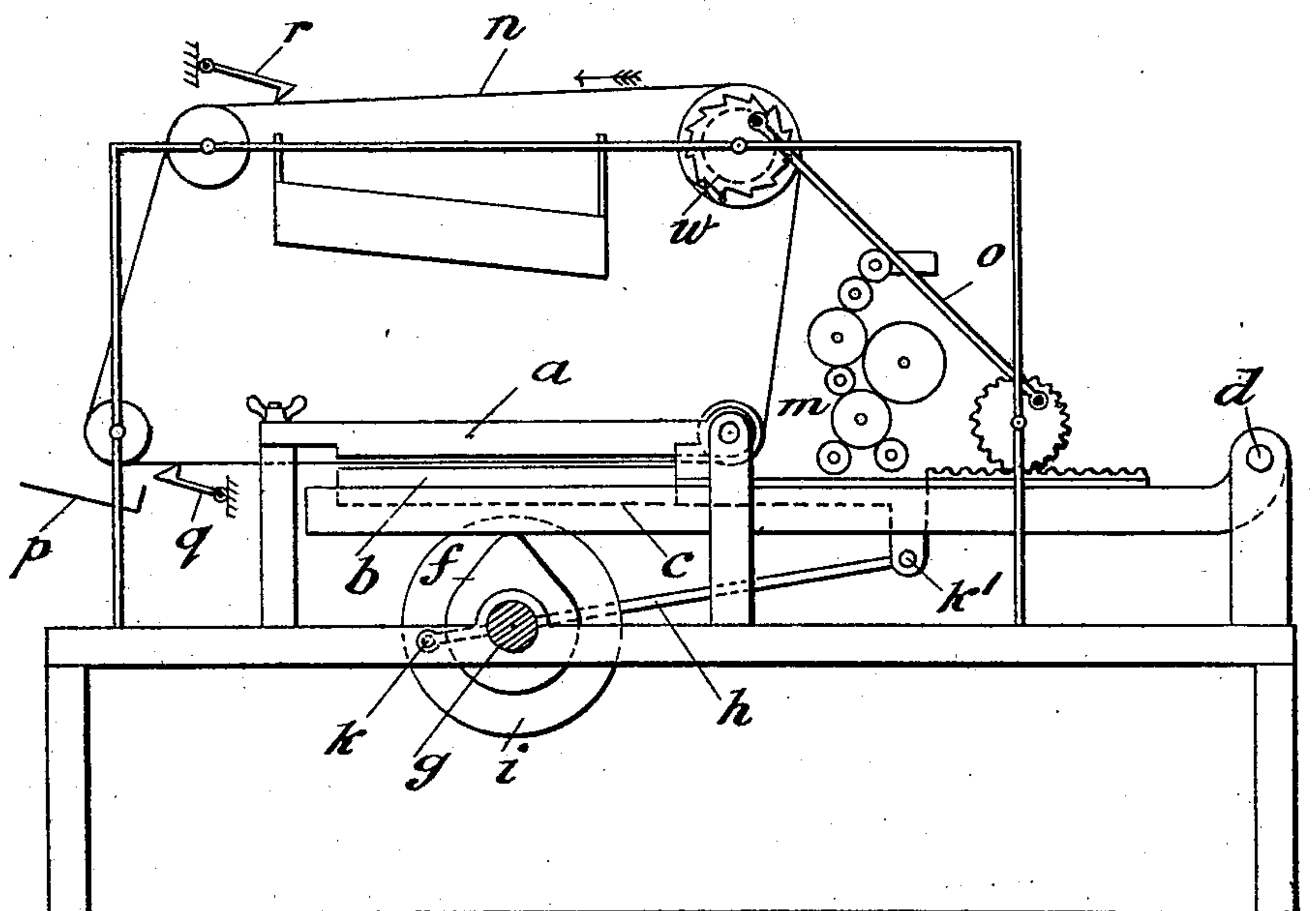
No. 636,340.

Patented Nov. 7, 1899.

A. JOISTEN.
PLATEN PRINTING PRESS.

(Application filed July 1, 1897.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

ALBERT JOISTEN, OF COLOGNE, GERMANY.

PLATEN PRINTING-PRESS.

SPECIFICATION forming part of Letters Patent No. 636,340, dated November 7, 1899.

Application filed July 1, 1897. Serial No. 643,169. (No model.)

To all whom it may concern:

Be it known that I, ALBERT JOISTEN, a subject of the Emperor of Germany, and a resident of Cologne, in the Empire of Germany, have invented certain new and useful Improvements in Platen Printing-Presses, of which the following is a specification, and for which I have obtained a patent in Germany, No. 90,996, dated April 8, 1896, and in England, No. 8,982, dated April 8, 1897.

This invention relates to a platen printing-press in which the pressure-plate stands still, while the type-plate (the base-plate) for the purpose of receiving the color from a color-distributor moves to and fro in a longitudinal direction, after the manner of cylinder-presses, stands still at the moment of printing, and is pressed against the pressure-plate by means of an eccentric.

In the annexed drawing the press is partly shown in side view.

All parts which are not of importance in this invention are left out in order to better show the essential parts.

a is the fixed pressure-plate, which can be turned upon a hinge.

b is the type-plate, which is movable to and fro in longitudinal direction and rests in a carriage *c*, which can swing around the point *d* and is supported by the eccentric disk *f* of the driving-shaft *g*. For the purpose of receiving the color from the color-work *m*, which is constructed after the manner of the color mechanism of a cylinder-press, the type-plate is moved to and fro on the carriage *c* by means of the connecting-rod *h* and the crank-disk *i*. At the moment of pressure the eccentric disk *f* presses the carriage *c*, and thus also the type-plate *b*, against the pressure-plate. This occurs as the type-plate is at the dead-point between its out and return stroke, because as it strikes against the pressure-plate the points

of connection of rod *h* at *k k'* are in a line which passes through the axis of shaft *g*.

The paper-carrier, which is not part of this invention, consists of an endless band *n*, on which are placed means for gripping the sheet. These grippers are opened by hooks *q* and *r*, guided in any manner near the on-laying or on the taking-off place, so that the sheets which are to be printed and which are conducted and put on automatically when printed are automatically delivered. The mechanisms for the automatic movement of the hooks *q* and *r*, as well as those for the guiding of single sheets to the grippers from the plate *p*, are not shown, since they do not form part of this invention.

The movement of the transporting-band *n* is intermediary and is effected by a toothed rod, toothed wheel, &c., connected solidly with the carriage *c*, and by the disk *w*, provided with ratchet-gear.

The machine may also be built vertically. I claim as my invention—

In a platen printing-press the combination of a type-plate, a carriage in which this plate is movable, a crank for moving the type-plate to and fro in said carriage for the purpose of receiving the color, with a color-work consisting of several rollers, an upper stationary plate and an eccentric for supporting the carriage in which the type-plate moves and for pressing the type-plate against said upper stationary plate at the moment when the type-plate is at the dead-point between its out and return stroke.

In witness whereof I have signed this specification in presence of two witnesses.

ALBERT JOISTEN.

Witnesses:

WILLIAM H. MADDEN,
JAMES PLANTS