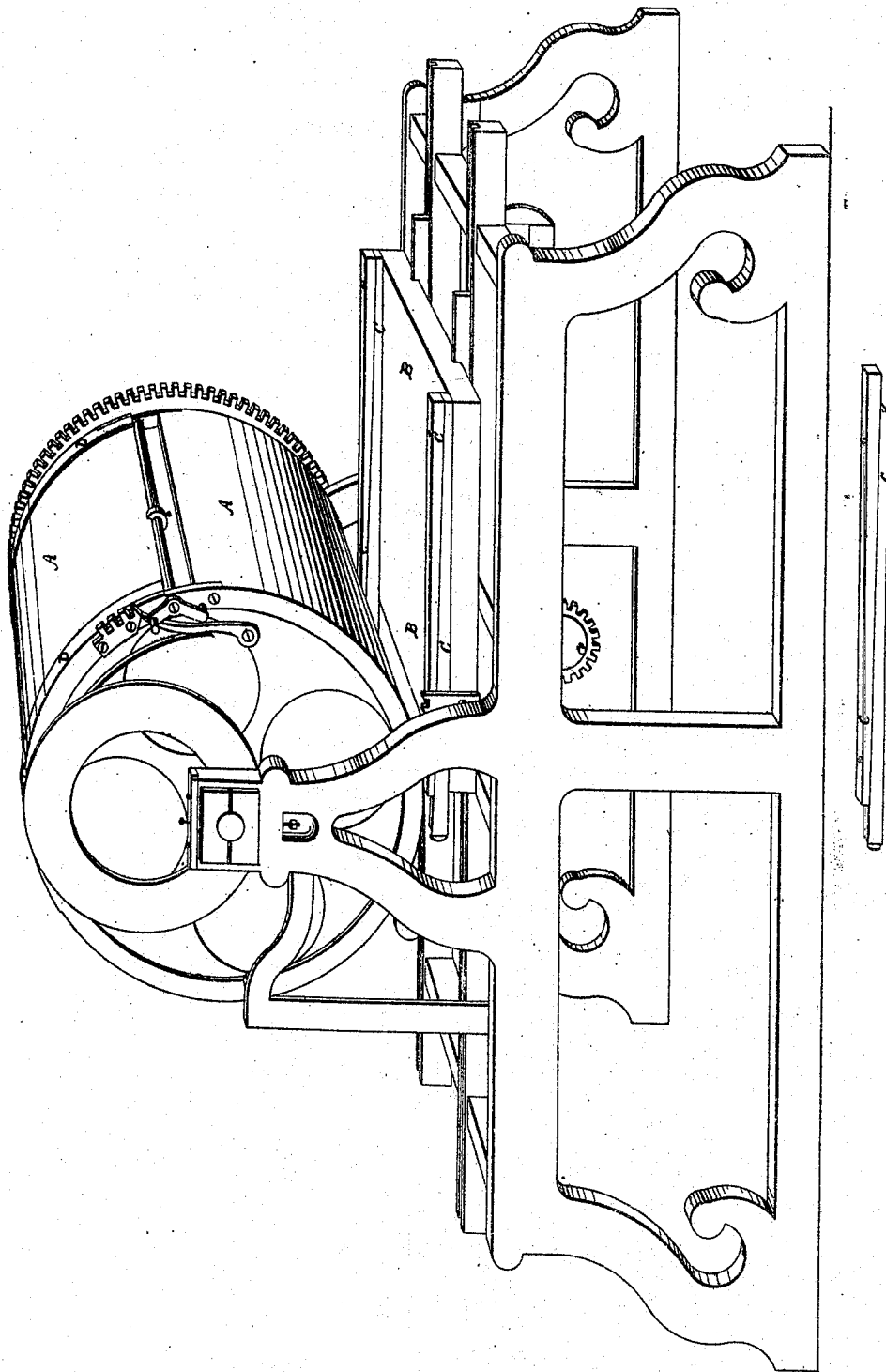


R. M. Hoe.
Printing Press.
No 3551.
Patented Apr. 17. 1844.





UNITED STATES PATENT OFFICE.

RICHD. M. HOE, OF NEW YORK, N. Y.

PRINTING-PRESS.

Specification of Letters Patent No. 3,551, dated April 17, 1844.

To all whom it may concern:

Be it known that I, RICHARD M. HOE, of the city of New York, in the State of New York, civil engineer and machinist, have invented a new and useful Improvement in the Manner of Constructing Cylinder Printing-Presses; and I do hereby declare that the following is a full and exact description thereof.

10 In the cylinder printing press, as ordinarily constructed, there occurs a slur, or slip, when the cylinder arrives at the head and the foot lines of the page on the form, occasioned by a slight sinking of the cylinder
15 in passing those points, the consequence of which is that the types, or stereotype plates, are subjected to a more rapid wear in those parts, than elsewhere.

The object of my improvement is the correction of this evil. For this purpose, I place a bearer of iron, or of steel, on each side of the bed of the press, upon which bearers the cylinder is to roll, and to be sustained during the whole time the blanket is
20 not bearing on the type. These bearers may be about an inch and a half in width; and they are to be of a thickness equal to the length of the type, or the height of a stereotype plate. I also make an enlargement of
30 each end of the cylinder around that part of it which is to rest on the bearers. This enlargement may be in width the same with that of the bearers, and the parts composing it are to rise above the general surface of the
35 cylinder, to the thickness of the blanket which is to cover that portion of the cylinder which presses upon the form; by which means the two surfaces will work exactly together, and no slur can take place.

40 The accompanying drawing gives a perspective representation of my improved printing press, of which A, A, is the cylinder, and B, B, the bed.

C, C, are the bearers extending along on each side of the bed. These are shown as 45 consisting of two wedge-formed bars placed one upon the other, and attached to the bed by adjusting screws. A pair of these bars is represented, separately, below the frame of the press. The two when placed one upon 50 the other are to be equal in height to the ordinary length of printing type, or the thickness of stereotype plates; but as these vary a little, the wedge-formed bearers admit of their being adjusted so as to adapt 55 them to any form.

D, D, represent the enlargements on the cylinder, which extend around that part of it which is not covered by the blanket, and which is to rise above the general surface of 60 the cylinder to such height as will correspond with the thickness of said blanket.

The cylinder press is in all other respects to be constructed in the manner already known and patented.

65 Having thus, fully described the nature of my improvement in the cylinder printing press, what I claim therein as new, and desire to secure by Letters Patent, is—

The employment of adjustable bearers on 70 the sides of the bed, in combination with the enlargement of the cylinder, in the manner, and for the purpose, set forth; and it is to be understood that I do not intend to limit myself to the mode of adjusting the bearers 75 by forming them of two wedge-like bars, as herein described, as such adjustment may be effected in other ways; but I have mentioned this mode as that which I have deemed to be the most simple, and the best. 80

RICHD. M. HOE.

Witnesses:

A. J. BOWEN,

THOS. S. HOLLINGSWORTH.