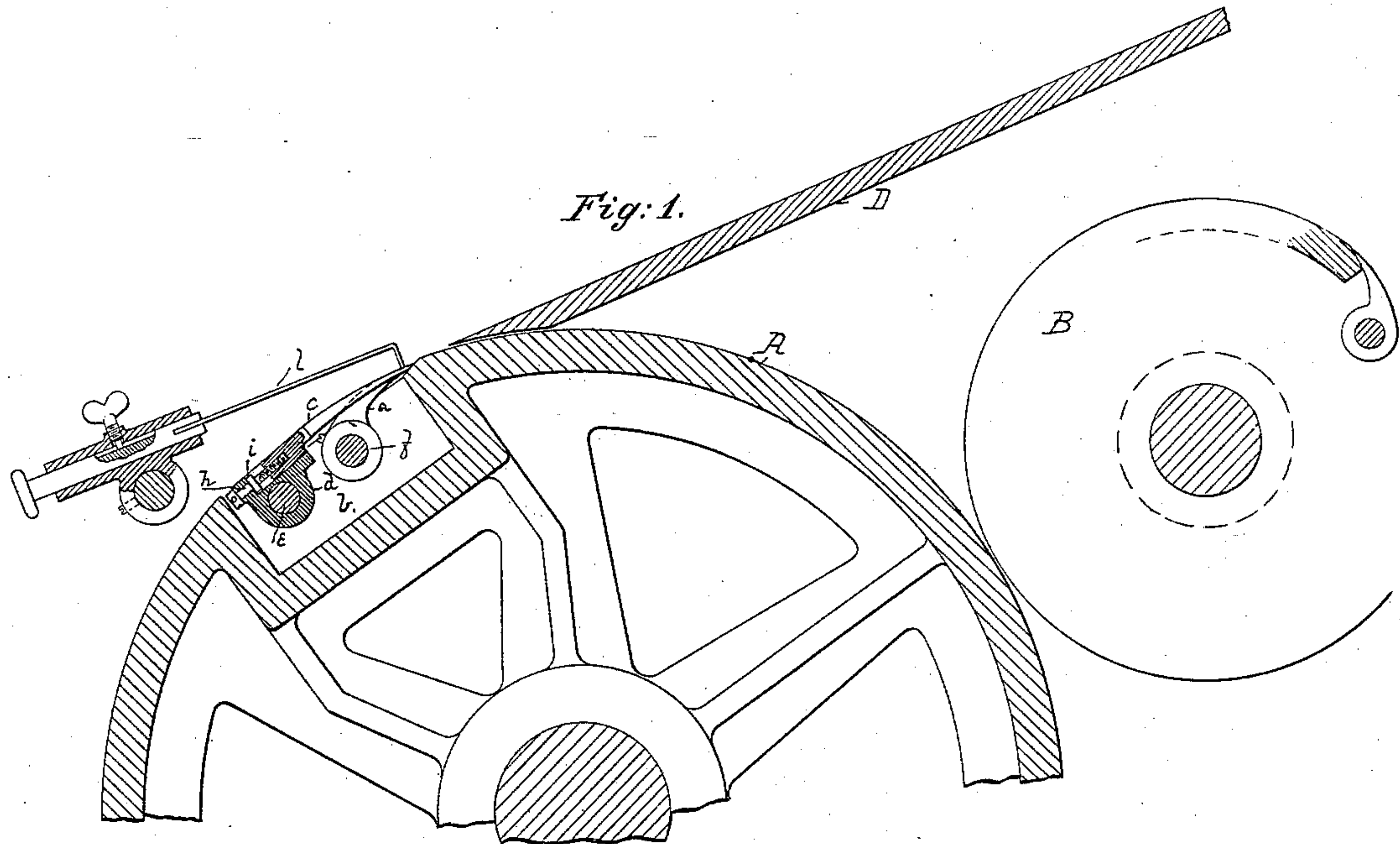


(No Model.)

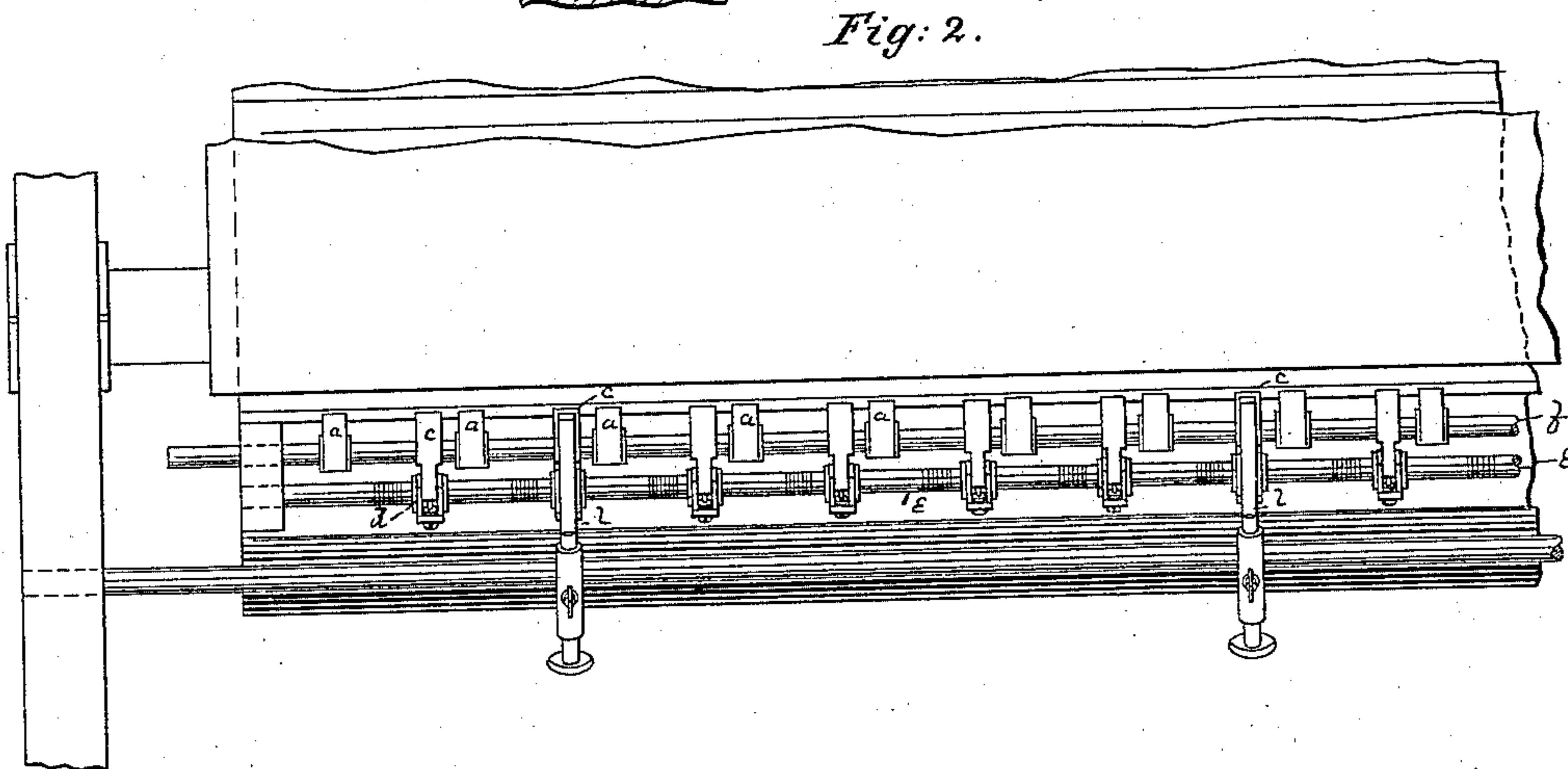
T. McILROY.  
PRINTING PRESS.

No. 285,826.

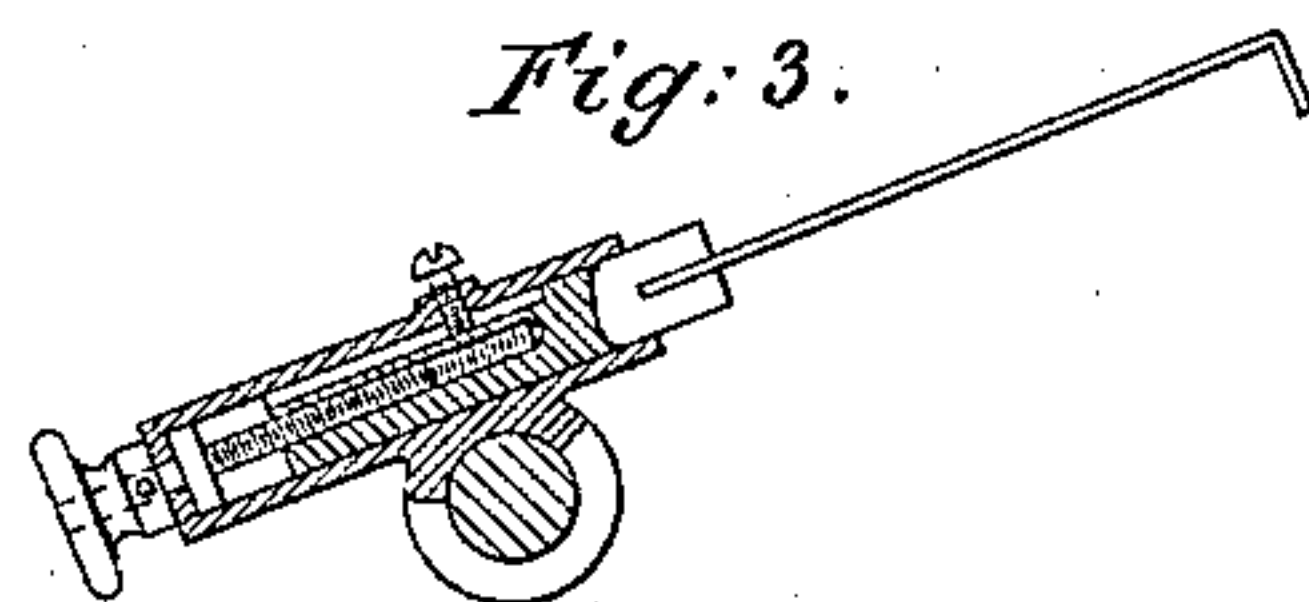
Patented Oct. 2, 1883.



*Fig: 1.*



*Fig: 2.*



*Fig: 3.*

Witnesses:

*A. H. Gentry*  
*Geo. W. Perkins*

Inventor:

*Thomas McIlroy*

by his Attorney:

*Edwards & Kears*



# UNITED STATES PATENT OFFICE.

THOMAS MCILROY, OF BROOKLYN, NEW YORK.

## PRINTING-PRESS.

SPECIFICATION forming part of Letters Patent No. 285,826, dated October 2, 1883.

Application filed March 31, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS MCILROY, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Printing-Presses, of which the following is a specification.

My invention relates to that class of devices which are used to support the free ends of the feed-gages or pointer-fingers used in stop-cylinder presses; and the object of my invention is to provide a rest for such feed-gages which will not interfere with the smooth delivery of the sheet to the impression-cylinder. This object I accomplish by the devices illustrated in the accompanying drawings, in which—

Figure 1 is a sectional view of a portion of a printing-press with my invention applied thereto. Fig. 2 is a plan view of the same, and Fig. 3 illustrates certain details of construction.

Similar letters refer to similar parts throughout the several views.

The letter A represents the impression-cylinder of a stop-cylinder press, which is provided with grippers *a a*, mounted, in the usual manner, in a recess, *b*.

B represents the delivery-cylinder, which is also provided with grippers, and D the feed-board. Two or more tongues or finger-guide supports, *c c*, are adjustably mounted in sockets *d d*, which are carried by the rod *e*, said rod being secured in the recess *b*, in front of the rod *f*, which carries the grippers *a a*. The sockets *d d* are held in place by set-screws, and can be moved to any desired position on the rod *e*, such portions of the rod as register with the grippers of the delivery-cylinder being distinctly marked, so that in adjusting the sockets all danger of placing them in positions where their tongues would strike the said grippers when the press was set in motion is avoided. The lower portions of the tongues *c c*, which enter the sockets *d d*, are internally threaded and engage with thumb-screws, as *h*, said screws being provided with a shoulder, as *i*, which bears against the inner side of the lower end of the socket, while a second shoulder bears against the outer side, the tongues being kept from turning by a groove and feather, or by being mounted in square bearings, as shown in the drawings. By this arrangement the tongues may at will be moved to or from the upper edge of the beveled surface of the cylinder against which they rest.

55

The feed-gages *l l* are mounted in the usual manner, and their free ends are supported by the tongues *c c*. Prior to my invention the feed-gages were supported by tongues which projected from and were secured to the feed-board of the press; but it was found that this arrangement of the parts was decidedly objectionable, in that each tongue produced a fullness in the sheet to be printed, whereby wrinkles were apt to be formed in the sheet as it passed between the stone or form and the impression-cylinder; but by the use of my improvement the tendency to wrinkle is entirely overcome. A further advantage arising from the use of my invention is that the leading end of the sheet is prevented from being turned down upon the beveled portion of the cylinder throughout its entire width by the action of the grippers of such cylinder, it being held up by the tongues *c c*, one of which tongues may be placed between each pair of grippers, whereby an easy and accurate delivery to the grippers of the delivery-cylinder is insured.

80  
Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the impression-cylinder of a stop-cylinder press, of two or more tongues mounted in the gripper-recess and arranged to bear against the beveled surface of said cylinder, substantially as described.

2. The combination, with the feed-gages of a stop-cylinder press, of tongues mounted in the gripper-recess of the impression-cylinder, substantially as described.

3. The herein-described supports for the free ends of the feed-gages of a stop-cylinder press, consisting, essentially, of tongues mounted upon a rod which is secured in the gripper-recess of the impression-cylinder.

4. The combination of the feed-gages of a stop-cylinder press with tongues mounted upon a graduated bar located in the gripper-recess of the impression-cylinder, substantially as described, and for the purpose specified.

THOS. MCILROY.

Witnesses:

GEO. W. PERKINS,  
JOHN J. COSTELLO.