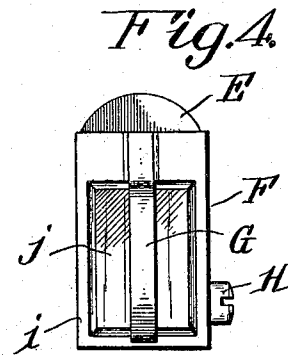
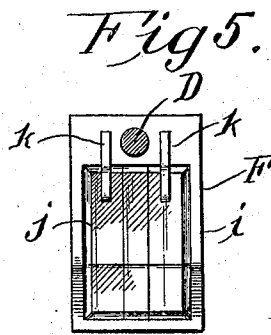
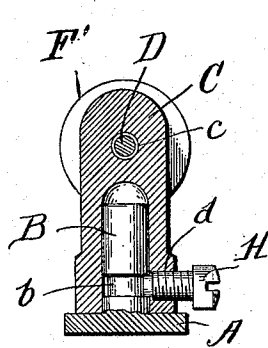
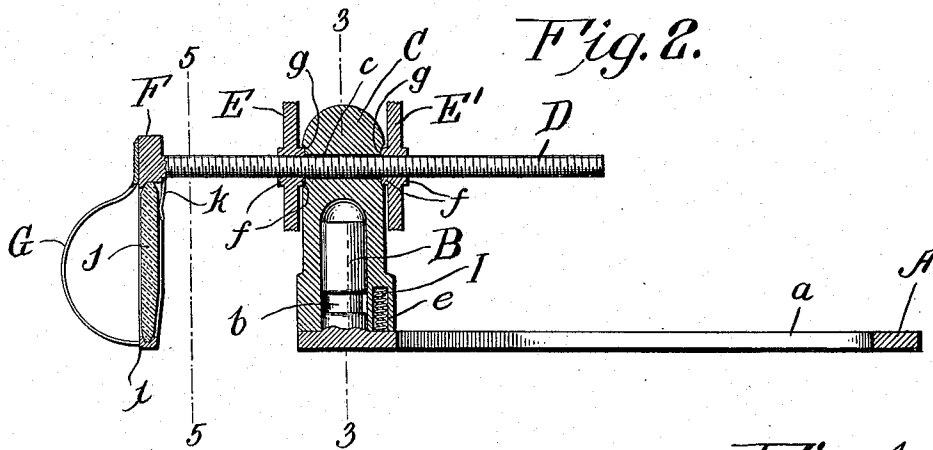
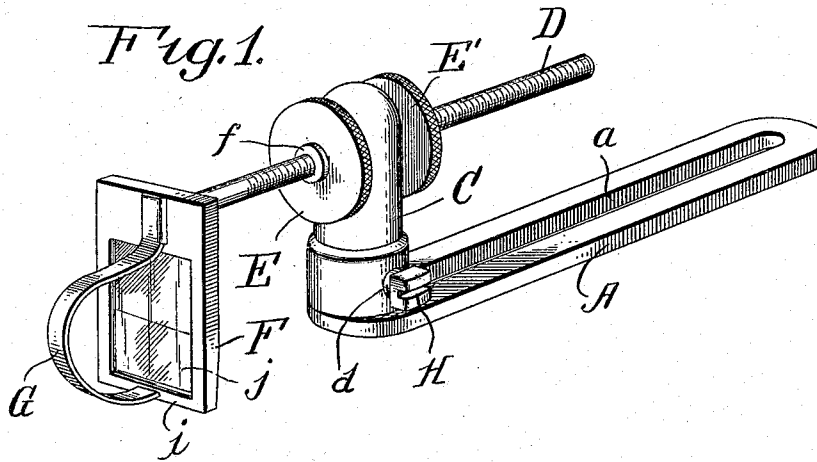


E. O. ANDERSON.
PRINTING PRESS GUIDE.
APPLICATION FILED SEPT. 5, 1908.

937,271.

Patented Oct. 19, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

EDWARD O. ANDERSON, OF ST. PAUL, MINNESOTA.

PRINTING-PRESS GUIDE.

937,271.

Specification of Letters Patent.

Patented Oct. 19, 1909.

Application filed September 5, 1908. Serial No. 451,783.

To all whom it may concern:

Be it known that I, EDWARD O. ANDERSON, a citizen of the United States, residing at St. Paul, in the county of Ramsey and State of Minnesota, have invented certain new and useful Improvements in Printing-Press Guides, of which the following is a specification.

My invention has relation to sheet guides for use on printing presses; and it contemplates the provision of a guide designed more particularly for employment on conventional cylinder presses and constructed with a view of enabling the press feeder to see every sheet that is fed, of being quickly and easily adjusted to meet different conditions, and of being generally used to advantage for color and other work.

My novel guide is designed more particularly for use as a left-hand register guide although I would have it understood that it may be reversed and used at the right; and its novelty, utility and practical advantages will be fully understood from the following description and claims when the same are read in connection with the drawings, accompanying and forming part hereof, in which:

Figure 1 is a perspective view of the guide constituting the best practical embodiment of my invention of which I am cognizant; Fig. 2, a longitudinal, vertical section of the same; Fig. 3, a transverse section taken in the plane of the line 3—3 in Fig. 2; Fig. 4, a front elevation of the guide, showing the relative arrangement of the curved directing tongue and the abutment back of the same; and Fig. 5, a transverse section taken in the plane indicated by the line 5—5 of Fig. 2, looking forwardly.

Similar letters designate corresponding parts in all of the views of the drawings, referring to which:

A is the base of the guide which is preferably in the form of a plate, slotted at *a*, and is designed to be attached to and adjusted on a feed board or the like. Fixed with respect to and rising from the plate A is a cylindrical post B in which is a circumferential groove *b*, for a purpose hereinafter pointed out.

In addition to the plate A and the post B, the present embodiment of my invention comprises a standard C, a threaded rod D which extends loosely through a smooth-bore, diametrical aperture *c* in the upper

portion of standard C, adjusting and fixing nuts E E¹, mounted on the rod D and disposed at opposite sides of the standard C, an abutment F, carried at the forward end of the rod D, and a directing tongue G, carried at the forward side of the said abutment. The standard C is arranged over and is adapted to turn about the post B, and hence the parts carried by the standard may be placed in various positions, relative to the plate A. Said standard C is provided at *d* with a threaded aperture to receive a screw H the inner end of which extends into the groove *b* of post B so as to hold the standard on the post without preventing turning of the standard. When deemed expedient the screw H may also be utilized to adjustably fix the standard to the post. In its lower end the standard C has a vertically disposed socket *e* and in said socket is arranged a coiled spring I the office of which is to hold the abutment F down tight to the before mentioned feed board.

The nuts E and E¹ preferably have hubs *f* to extend into recesses *g* in opposite sides of the standard C, and by reference to Fig. 2 it will be noted that when the nut E is separated by an intervening space from the standard C and the nut E¹ is turned against the standard and in a direction away from the operator, the threaded rod D and the parts thereon will be moved toward the right, and that when the nut E¹ is separated by an intervening space from the standard and the nut E is turned against the standard and toward the operator, the threaded rod and its parts will be moved toward the left; also, that when both nuts are set against the standard C, the threaded rod D will be securely fixed with respect to the standard without liability of its position being casually changed.

An important feature of my invention consists in an abutment through which a press feeder can see; the abutment herein employed comprising a metallic frame *i* having the inner sides of its walls inclined, a beveled pane of fine-quality glass *j*, and means, such for instance as spring clips *k* for retaining the pane in the frame.

The directing tongue G is in the form of a forwardly bowed spring strip which is connected at its upper end to the top bar of the frame *i* and bears at its lower end against the face of the bottom bar thereof. Said tongue is obviously adapted to guide

the edge of a sheet against the face of the abutment F even when the edge has a tendency to curl upwardly.

It will be readily understood by those skilled in the art to which my invention appertains that the abutment F described is particularly advantageous for color work, and that when said abutment is employed the feeder can see through it every sheet that is fed and have the same up adjacent to the near guide.

In addition to the advantages hereinbefore ascribed to my novel guide, it will be noted that the same is simple and inexpensive in construction, and, as a whole, is well adapted to withstand the usage to which printing guides are ordinarily subjected.

Having described my invention, what I claim and desire to secure by Letters Patent is:

1. The combination in a sheet-guide, of a suitable support, an abutment connected with and adjustable toward and from the support; the said abutment comprising a metallic frame having the inner sides of its walls inclined, a beveled pane of glass disposed in said frame, and spring clips retaining the pane in the frame, and directing

means carried by the abutment and arranged in front of the same.

2. In a sheet-guide, the combination of a base having a post, a standard arranged on and adapted to turn about the post, an abutment connected with the standard and arranged at one side thereof, and a spring interposed between the base and the standard at the opposite side of the standard, with reference to the abutment, for the purpose set forth.

3. A sheet-guide comprising a base having thereon a circumferentially-grooved post, a standard rotatable about said post, a screw bearing in the standard and extending into the groove of the post, a spring socketed in the standard and interposed between the same and the base, a threaded rod extending loosely through the standard and equipped with an abutment, and nuts mounted on said rod and disposed at opposite sides of the standard.

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

EDWARD O. ANDERSON.

Witnesses:

R. F. ALTMAN,

A. A. SANDTRACK.