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F. P. WILSON & J. KNIGHT.

COMBINED PRINTER'S GALLEY AND CHASE.

APPLICATION FILED JULY 3, 1902.

NO MODEL.

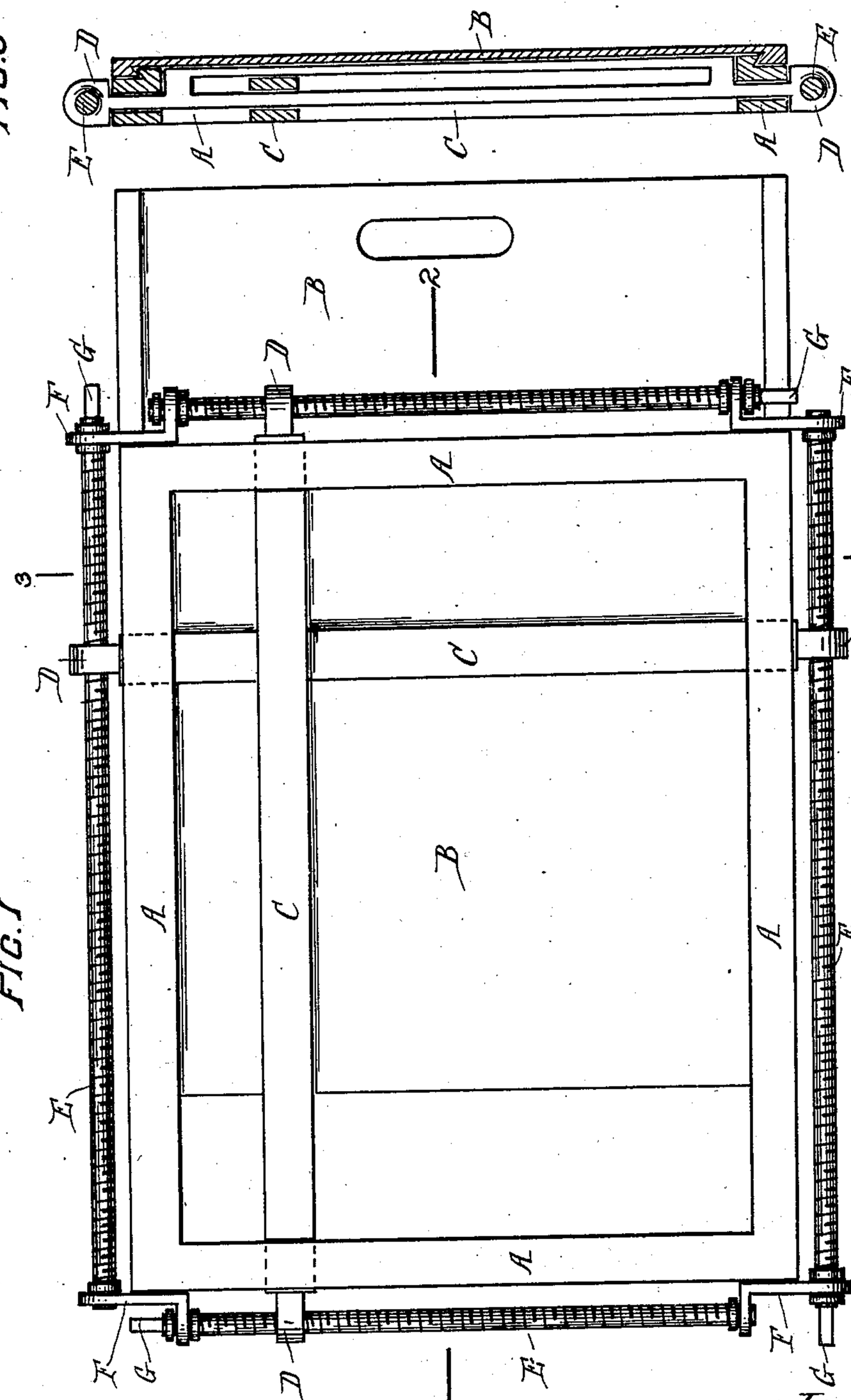

FIG. 1

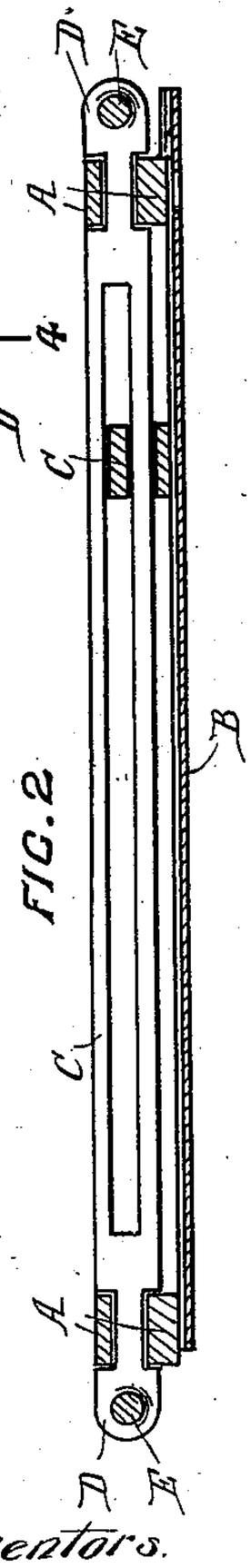

FIG. 2

Witnesses—
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UNITED STATES PATENT OFFICE.

FRANCIS PRENDEVILLE WILSON, OF WELLINGTON, AND JAMES KNIGHT, OF LEVIN, NEW ZEALAND; SAID KNIGHT ASSIGNOR TO SAID WILSON.

COMBINED PRINTER'S GALLEY AND CHASE.

SPECIFICATION forming part of Letters Patent No. 724,530, dated April 7, 1903.

Application filed July 3, 1902. Serial No. 114,257. (No model.)

To all whom it may concern:

Be it known that we, FRANCIS PRENDEVILLE WILSON, residing at Wellington, and JAMES KNIGHT, residing at Levin, New Zealand, subjects of the King of Great Britain, have invented a new and useful Combined Printer's Galley and Chase; and we do hereby declare the following to be a full, clear, and exact description of the same.

In setting up the type for certain kinds of printing it is customary for the type to be set up in a "galley" and then tied together and transferred to the "chase," in which it is wedged tightly and which is placed in the printing-machine. The operation of tying up the type and transferring it to the chase has to be conducted with extreme care, as often the type in the middle will drop out and the whole operation has to be repeated. Moreover, the time taken up in this manner of preparing the type for printing is often greater than the time in setting up the type. It is to obviate these drawbacks that the present invention has been devised; and it consists of a combined galley and chase in which the type may be set up, locked tightly in position, and then without moving it from the galley placed in the printing-machine.

In describing the invention reference will be had to the accompanying sheet of drawings, in which—

Figure 1 is a plan of the combined galley and chase. Fig. 2 is a longitudinal section of the same on line 1 2 of Fig. 1, and Fig. 3 is a cross-section on the line 3 4 of Fig. 1.

The appliances employed consist of a rectangular frame A, the under side of which has dovetailed into it the sliding removable plate B, that is adapted to cover up the whole of the space inclosed by the frame.

Placed across the space inclosed by the frame A are the bars C, which are laid at right angles to each other and parallel with the sides of the frame. The ends of these bars are formed with sliding pieces, which fit into grooves in the sides of the frame A, so that the bars shall be free to move across the space within the frame. The bars C are also so formed that they shall not interfere with each other's movements.

To the outer ends of the bars C are attached the bosses D, through which are threaded the screwed rods E, the ends of which are carried loosely in bearings F, attached to the corners of the frame A, and are provided with collars thereon to prevent them moving laterally through the bearings. One end G of each of these rods will be formed to receive a key similar, by preference, to a clock-key, so that the rods may be rotated. As the rods are rotated the bars C will be moved along their slides in either direction, according to the direction of rotation of the rods.

In operation the cover B will be pushed right in and will serve as a support for the type which is set up in the lower left-hand corner of the frame A. When the type has been properly set and squared up, the bars C are worked inward along their slides by rotating the screws E until they engage against the edges of the set-up type and tightly jam it between the sides of the frame A and themselves. The bottom cover B may then be drawn out, when the type will be supported by the tension on the bars C. The whole appliance is then placed in the printing-machine in the same manner as the ordinary chase.

In some cases the sliding bars C may be dispensed with and the type set up in the frame A and wedged between the sides thereof. The appliance thus becomes a galley that is convertible into a chase by removing the bottom B.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. In means for setting up and holding printing-type, a rectangular frame provided with a removable bottom, bars placed across the space inclosed by the frame and at right angles to each other, the ends of such bars being formed with sliding pieces that fit within slides in the sides of the frame and with projecting bosses through which are threaded screw-rods that are carried in bearings upon the corners of the frame and are provided with means whereby they may be rotated as herein set forth.

2. In means for setting up and holding printing-type, a rectangular frame provided

with sliding bars placed across the frame at right angles to each other, means whereby such bars may be moved up and down the frame, and dovetailed sliding surfaces on the under side of the frame, in combination with a plate formed with corresponding dovetailed sliding surfaces on its edges and fitting upon the bottom of the frame, as herein specified.

In testimony whereof we have signed this specification, in the presence of two subscribing witnesses.

FRANCIS PRENDEVILLE WILSON.
JAMES KNIGHT.

Witnesses:
JAS. T. HUNTER,
WILLIAM MOFFATT.