

No. 769,022.

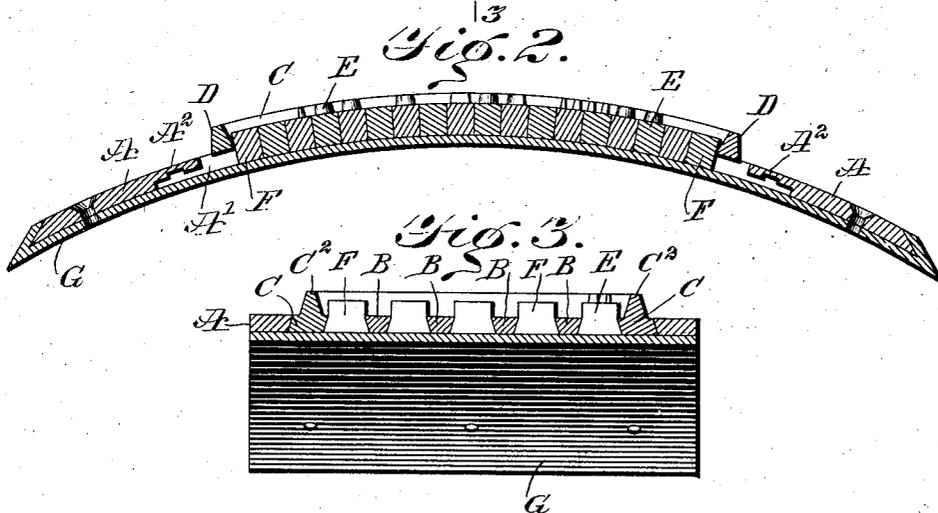
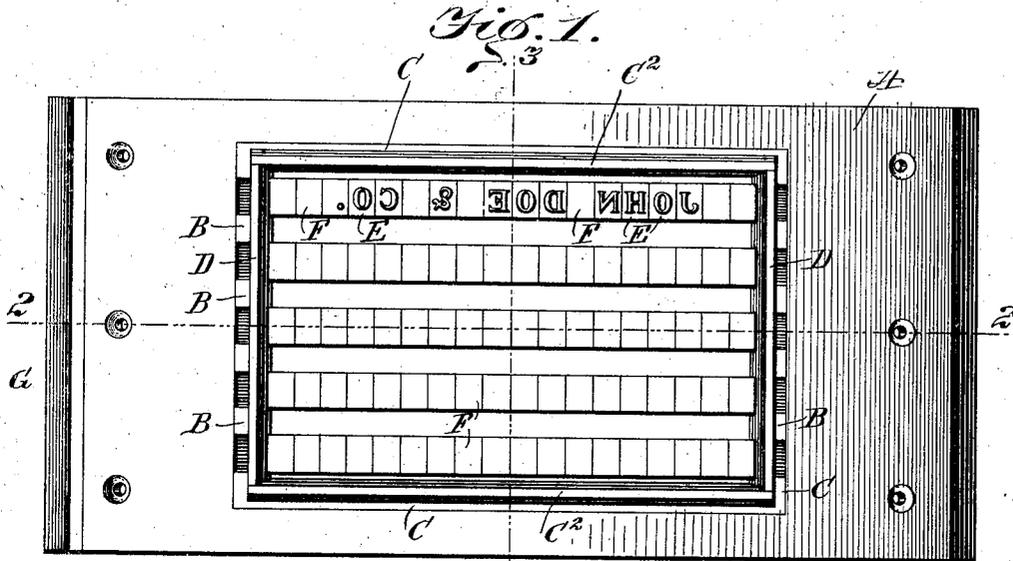
PATENTED AUG. 30, 1904.

C. S. ROSIN.
TYPE CARRIER FOR CYLINDER PRESSES.

APPLICATION FILED SEPT. 30, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



WITNESSES:

O. C. Abbott
Rev. G. W. Foster

INVENTOR

Charles S. Rosin

BY

Munn

ATTORNEYS

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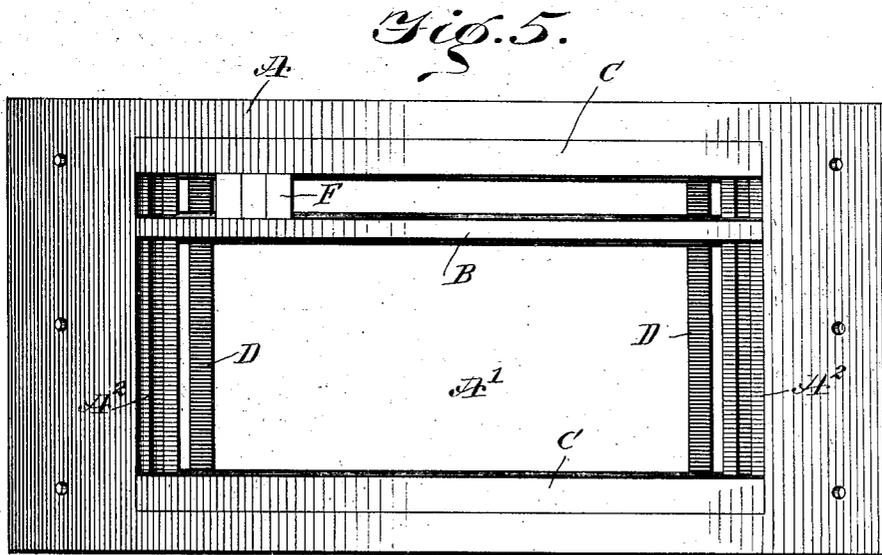
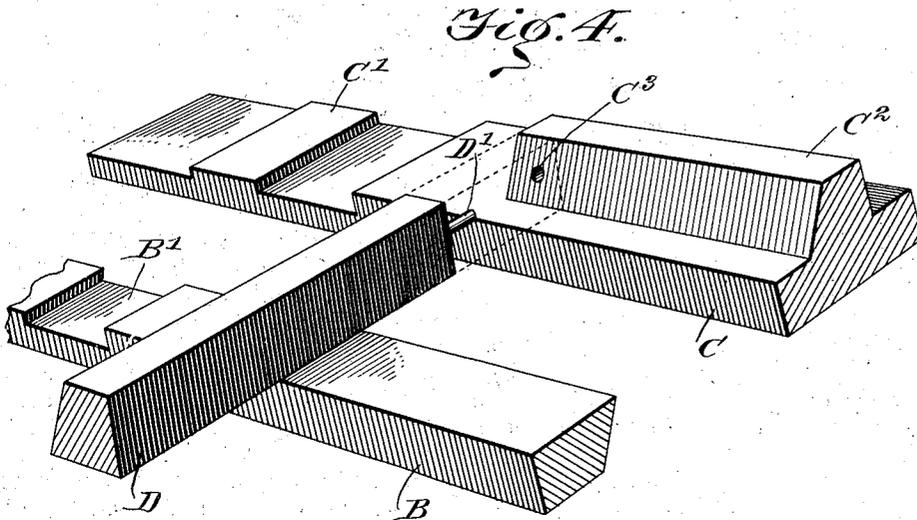
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UNITED STATES PATENT OFFICE.

CHARLES SOMMER ROSIN, OF TACOMA, WASHINGTON.

TYPE-CARRIER FOR CYLINDER-PRESSES.

SPECIFICATION forming part of Letters Patent No. 769,022, dated August 30, 1904.

Application filed September 30, 1903. Serial No. 175,177. (No model.)

To all whom it may concern:

Be it known that I, CHARLES SOMMER ROSIN, a citizen of the United States, and a resident of Tacoma, in the county of Pierce and State of Washington, have invented a new and Improved Type-Carrier for Cylinder-Presses, of which the following is a full, clear, and exact description.

The invention relates to cylinder-presses employed for printing wooden boxes and the like; and the object of the invention is to provide a new and improved type-carrier arranged with movable types, leads, spaces, border-bars, &c., to allow convenient changing of the subject-matter to be printed and to permit readily setting up the matter and attaching the carrier to the cylinder of the press.

The invention consists of novel features and parts and combinations of the same, as will be more fully described hereinafter and then pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a face view of the improvement. Fig. 2 is a sectional side elevation of the same on the line 2 2 of Fig. 1. Fig. 3 is a cross-section of the same on the line 3 3 of Fig. 1. Fig. 4 is a perspective view of one of the leads and adjacent border-bars disconnected; and Fig. 5 is a rear face view of the frame and some of the leads, types, and border-bars in position.

The segmental frame or plate A is provided with an opening A' and with guideways A², arranged parallel one to the other on the under side of the frame A adjacent to the side walls of the opening A', as plainly indicated in Fig. 2, and the said guideways A² are adapted to be engaged by the correspondingly-shaped ends B' of leads B, adapted to extend lengthwise through the opening A', and the said guideways A² are also adapted to be engaged by the correspondingly-shaped ends C' of border-bars C, having raised borders C² for printing borders, as hereinafter more fully described, the said border-bars C being joined at their ends by cross border-bars D, having

pins D' engaging recesses in the borders C² of the border-bars, as will be readily understood by reference to Fig. 4. The cross border-bars D extend over the leads B and are adjacent to the sides of the opening A', while the border-bars C fit snugly against the front and rear walls of the opening A', as will be readily understood by reference to Fig. 5.

The leads B are spaced apart to accommodate types E and the spacers, quoins, or like furniture F, some of which is also placed between a border-bar C and the next following lead B, as will be readily understood by reference to the drawings. The side edges of the border-bars C and the leads B are preferably beveled, and the base portions of the types E and furniture F are similarly beveled (see Fig. 3) to insure proper fitting of the types on the said bars and leads to securely hold the types and furniture in place against outward movement. The outer sides of the border-bars C are also beveled to fit on the corresponding bevels in the front and rear walls of the opening A'. (See Fig. 3.)

It is understood that the faces of the border-bars C and the border-bars D are in the same plane with the faces of the types E, so that when the device is used the types and the complete border make a proper impression.

When the type and border have been set up in the manner described—that is, the opening A' has been filled—then the frame A is placed onto a retainer G, made segmental in shape to fit the peripheral surface of the printing-cylinder, on which the retainer is fastened by screws or other fastening devices, which screws also extend through the frame A to securely lock the latter in place on the retainer. The ends of the retainer G are beveled to allow proper fitting of the retainer on the printing-cylinder, it being, however, understood that the said bevels may be engaged by fastening devices other than screws to secure the retainer in place on the printing-cylinder. The retainer G forms a back for the type E, furniture F, and the border-bars C and D to securely hold the same in place in the frame A and to prevent displacement of the said parts by moving the carrier to and from the printing-cylinder.

By the arrangement described any desired matter may be set up by the use of the separate types, leads, and border-bars to allow of changing the subject-matter to be printed
 5 on the box whenever it is desired to do so. If desired, type-bars may be employed similar to the leads B, but having lines of type-matter fixed thereon, such as the name of a place or other legends.

10 The carrier is very simple and durable in construction and can be cheaply manufactured and readily used on any cylinder printing-press employed for printing wooden boxes and the like.

15 Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A type-carrier for cylinder-presses, comprising an open frame provided at opposite sides with parallel guideways, and a border
 20 formed of pairs of bars, of which the bars of one pair engage with their ends the said guideways, and the bars of the other pair are removably connected with the bars of the first-named pair of bars, as set forth.

25 2. A type-carrier for cylinder-presses, comprising an open frame having parallel guideways on the sides, leads extending through the opening of the frame and having their ends engaging the guideways, type and furniture filling the spaces between adjacent
 30 leads, and a retaining-plate for holding the said frame and forming a back for the said types and furniture, the ends of the said frame being beveled to fit corresponding recesses in

the retainer-plate, and the ends of the re- 35 tainer-plate being beveled, as set forth.

3. A type-carrier for cylinder-presses, comprising an open segmental frame having parallel guideways on the under side, leads extending through the opening of the frame
 40 and having their ends engaging the guideways, types and furniture filling the spaces between adjacent leads, a border formed of pairs of bars, of which the bars of one pair engage with their ends the said guideways, and the
 45 bars of the other pair are removably connected with the bars of the first-named pair, and a retaining-plate for the back of the frame, to hold the said types, furniture and leads in position, as set forth. 50

4. A type-carrier for cylinder-presses, comprising an open frame having parallel guideways on the sides, leads extending through the opening of the frame and having their ends engaging the guideways, border-bars
 55 having their ends shaped to fit the said guideways, the said border-bars being provided with raised borders, and cross border-bars extending over the leads and engaging the borders of the first-mentioned border-bars as set
 60 forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES SOMMER ROSIN.

Witnesses:

ELI P. NORTON,
 H. E. MCQUARY.