

(No Model.)

J. SEIDE.
TYPE BINDER.

No. 571,625.

Patented Nov. 17, 1896.

Fig: 1.

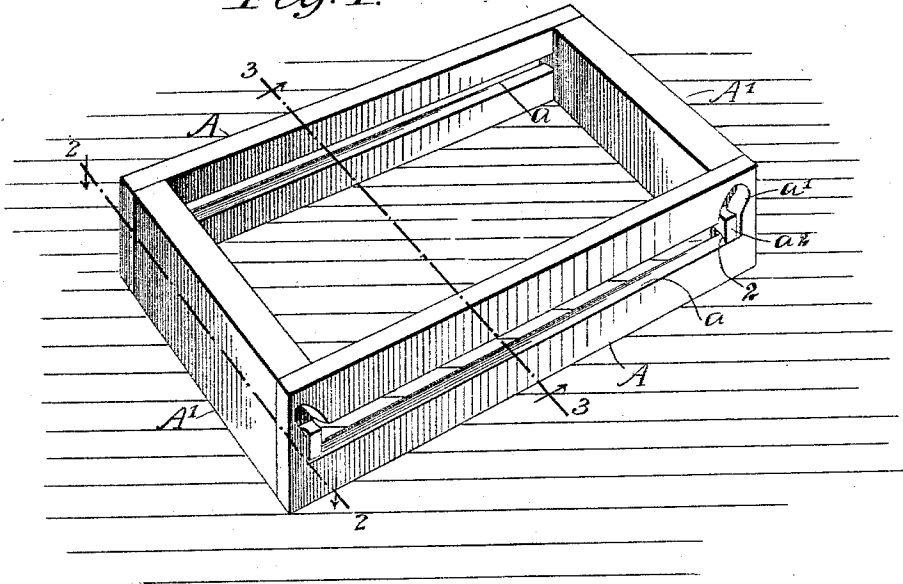


Fig: 2.

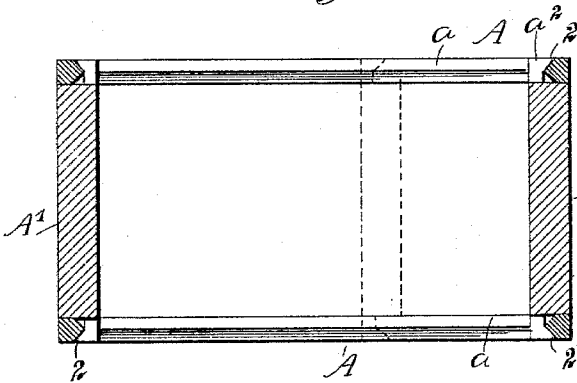


Fig: 3.

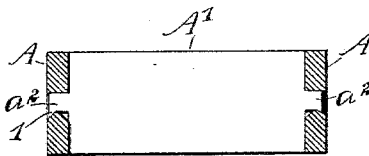
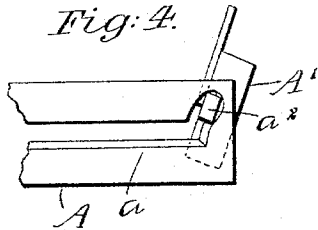


Fig: 4.



WITNESSES:

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TYPE-BINDER.

SPECIFICATION forming part of Letters Patent No. 571,625, dated November 17, 1896.

Application filed March 13, 1896. Serial No. 583,096. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH SEIDE, of New York, in the county and State of New York, have invented new and useful Improvements in Type-Binders, of which the following is a full, clear, and exact description.

This invention relates to binders for type as set up in forms, and the object is to provide a simple device of this character which may be quickly and easily operated, thus resulting in a great saving of time and labor over the usual method of binding with a string.

The invention consists in the construction and novel arrangement of parts, as will be hereinafter specified and particularly pointed out in the appended claims.

Reference is to be had to 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 perspective view of a binder embodying my invention. Fig. 2 is a section on the line 2 2 of Fig. 1. Fig. 3 is a section on the line 3 3 of Fig. 1, and Fig. 4 shows the relative position of parts preparatory to locking the form.

Referring to the drawings, A designates the side bars of the type-binder, each provided with a longitudinal channel *a*, the ends of which have upwardly and outwardly extended openings *a'*. The lower wall of each channel *a* is beveled outward and downward from its longitudinal center to the outer edge and also from said center to the inner edge, and the end walls of the channels are correspondingly beveled.

A' designates the end bars adapted to move relatively to the side bars and which have a locking engagement therewith. As here shown, these end bars *A'* are provided at their ends with lugs *a²*, adapted to engage through the channels *a*. These lugs *a²* are provided on their under side with beveled projections 1, adapted to engage over the incline of the lower walls of the channel *a*, and on their outer side surfaces they are provided with similar projections 2, adapted to engage with the bevel of the end walls of said channels. Therefore it will be seen that when the binder is filled with type and the end bars are in position these projections will form locking devices to securely hold the parts together.

In operation when the compositor receives

the job to set he takes the binder of proper size and lays it on a galley and then as the type are set up they are placed in the binder, one of the end bars of which may be moved up against the stick, as indicated in dotted lines in Fig. 2, and then as another stick is set up, the end bar may be moved outward and the type inserted. After the binder shall have been filled, the end bar may be moved upward, so that the lugs will engage in the upper portions of the openings *a'*, which it will be seen are arranged at an incline and project beyond the ends of the channels *a*. When in this position, the end bar may be tilted, as indicated in Fig. 4, and a lead inserted, and then the bar moved back into position. When moved downward, it is evident that the end bar will be forced against the type by the lugs engaging with the end wall of the channel.

It will be seen that this binder can be safely locked up with the job, which is a great saving of labor to the printers, especially if there is a rule or border around the job, as it will force the corners to join without any trouble to the compositor. When the type are closely locked in the binder, it is practically impossible for them to become loose or fall out of the binder.

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

1. A type-binder comprising longitudinally-channeled side bars, the lower wall and an end wall of each channel being beveled and each channel having an upwardly and outwardly extended opening at its end, an end bar having engagement with said side bars and another end wall having lugs movable in the channels of the side bars, the said lugs having projections to engage over the beveled portions, substantially as specified.

2. A type-binder, comprising longitudinally-channeled side bars having a beveled lower wall and a beveled end wall, an upwardly and outwardly extended opening from the ends of the channel, and end bars having lugs adapted to engage in the channels of the side bars, and having projections to engage the beveled portions, substantially as specified.

JOSEPH SEIDE.

Witnesses:

SAUL KOWARSKY,
WILLIAM SAGE.