

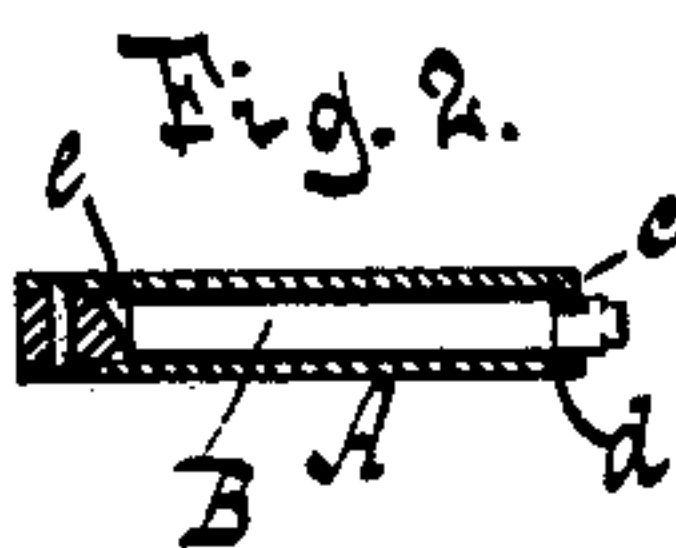
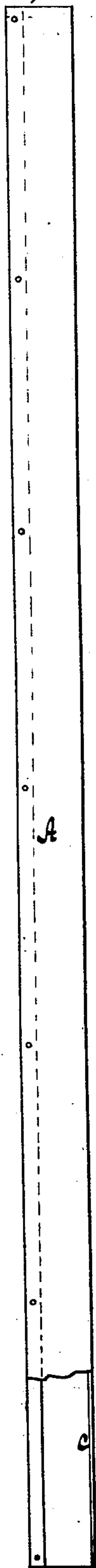
(No Model.)

A. A. LOW.
Type Case.

No. 233,264.

Patented Oct. 12, 1880.

Fig. 1.



Witnesses:
Otto Stufeland,
William Miller.

Inventor:
Abbot Augustus Low,
by
Van Santvoord & Hauff,
his attys.

UNITED STATES PATENT OFFICE.

ABBOT A. LOW, OF BROOKLYN, NEW YORK.

TYPE-CASE.

SPECIFICATION forming part of Letters Patent No. 233,264, dated October 12, 1880.

Application filed August 21, 1880. (No model.)

To all whom it may concern:

Be it known that I, ABBOT AUGUSTUS LOW, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Type-Cases, of which the following is a specification.

My invention relates to type cases or channels for setting-machines and distributing-machines, and especially that class of machines shown and described, for example, in the patents of Augustus C. Richards, Nos. 212,503 and 212,504, dated February 18, 1879.

Prior to my invention these type-cases were constructed with plain inner sides, and in order to retain the type therein it was necessary to place the cases in an inclined position in both machines. This is objectionable, particularly in setting-machines in which the types discharge from their cases at their lower ends, because the types drag against the backs of the cases and are thus retarded and liable to be thrown out of line, while they are also exposed to wear. To overcome this objection I construct each of the type-cases with an internal longitudinal rib on one of its sides, said rib being at the same point in all the cases, and provide all the types of a font with coincident nicks which are adapted to engage with said rib, so that while the types are allowed the required longitudinal movement in the case, they are effectually prevented from escaping at or through its open front in any position of the case.

It also consists in beveling the back of the type-case on its inner surface, and in the direction of the side having the internal longitudinal rib, so that the types have a tendency to shift or lean toward the rib, and their engagement therewith is insured.

This invention is illustrated in the accompanying drawings, in which Figure 1 is a side view, partly in section. Fig. 2 is a cross-section.

Similar letters indicate corresponding parts.

The letter A designates the body of the type-case, open at its opposite ends and on one side or edge, which latter constitutes the front of the case.

B, Fig. 2, designates one of the types; c, the internal longitudinal rib of the type-case,

and d the nick of the type for engaging the rib. In this example the rib c is situated at the front edge of the type-case A, and is formed in one piece with one of the sides of the case; but, if desired, the rib may be arranged intermediate of the front and back of the case, and may be formed of a strip secured at the desired spot.

The nick d is formed at a suitable part of the types to engage the rib c, as shown in Fig. 2, and it will be readily understood that the types are thus retained in the case without any interference with their longitudinal movement.

The letter e, Fig. 2, indicates the bevel on the inner surface of the back of the type-case. The direction of this bevel is toward the side of the case having the rib c, and by its means the types are left destitute of a support against the back next to such side, the effect of which is to give the types a tendency to lean toward the rib, thereby insuring their engagement therewith.

I am aware that in type setting and distributing machines the types have been held in position by vertical rods fitting in dovetail notches in their edges, and I do not claim such an arrangement.

What I claim as new, and desire to secure by Letters Patent, is—

1. A type-case constructed with an internal longitudinal rib in one of its sides, and adapted to engage with coincident nicks in the various types of a correspondingly-prepared font, substantially as and for the purpose set forth.

2. A type-case which is constructed with an internal longitudinal rib on one of its sides, and the back of which is beveled in the direction of the side having such rib, in combination with types having a nick adapted to engage such rib, substantially as and for the purpose described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

ABBOT AUGUSTUS LOW. [L. S.]

Witnesses:

JOHN W. GREEVEY,
CHAS. WAHLERS.