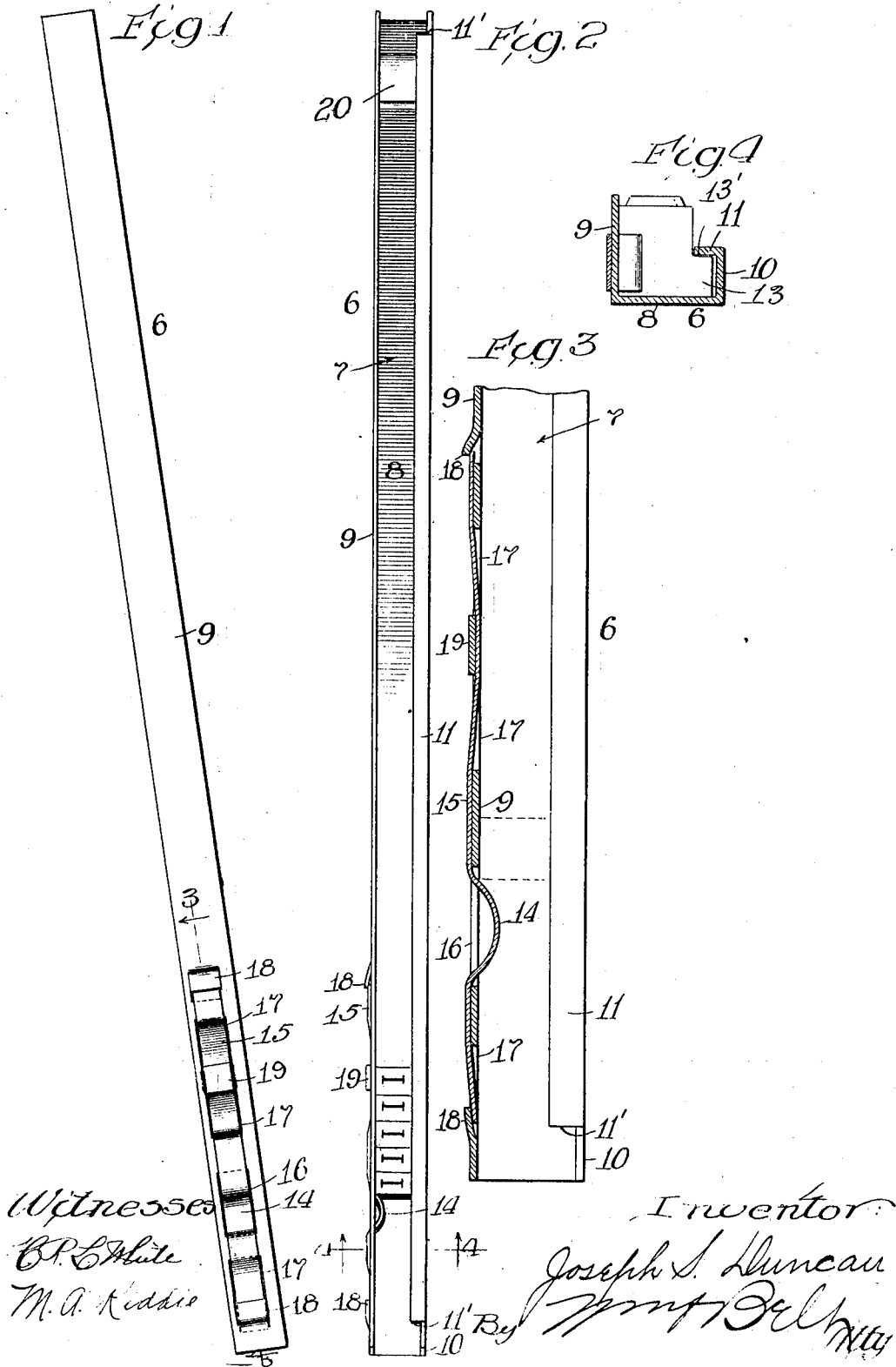


J. S. DUNCAN.
TYPE HOLDER.
APPLICATION FILED MAR.-1, 1909.

956,692.

Patented May 3, 1910.



UNITED STATES PATENT OFFICE.

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TYPE-HOLDER.

956,692.

Specification of Letters Patent.

Patented May 3, 1910.

Application filed March 1, 1909. Serial No. 480,599.

To all whom it may concern:

Be it known that I, JOSEPH S. DUNCAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Type-Holders, of which the following is a specification.

The object of this invention is to provide a type holder in which the type are freely movable with yielding means at the end of the holder to prevent the escape of the type therefrom.

In the accompanying drawings illustrating one embodiment of the invention Figure 1 is a side view of the type holder. Fig. 2 is a front view of the type holder. Fig. 3 is an enlarged sectional view on the line 3—3 of Fig. 1. Fig. 4 is a transverse sectional view on the line 4—4 of Fig. 2.

Referring to the drawings, 6 designates generally the type holder which is made of a strip of metal shaped to form a type groove 7 having a bottom 8, a high side 9, a low side 10, and a flange 11. I have illustrated cast metal type 12 having a projection or offset 13, the top of which preferably lies at a right angle to the side of the type. The flange 11 extends at a right angle to the side 10 of the holder to overlap the top 13' of the shoulder or offset 13.

The type and type groove are proportioned so that the type may be easily moved in the type groove and for this reason it is essential to provide some means to hold the type in place in the groove especially when the holder is sustained normally in an inclined position, as indicated in Fig. 1. This is the position of a holder in the type setting case set forth in my application No. 480,596, filed March 1, 1909, when the case is in position for use, the type being removed from the holder at the lower end thereof.

The side 9 of the holder is provided at its lower end with a yielding section 14 which comprises a bow or bent portion in a spring metal plate 15, the bow projecting through an opening 16 in said side. This bow forms a yielding stop to sustain the line of type in the groove and to hold the other type in the groove while the lowest type in the line is being removed. The plate 15 may be secured on the holder in any suitable manner and the bow may be made in any suitable way to form a yielding stop which projects

into the type groove for the purpose described. In the drawings I have shown the side 9 of the holder provided with a plurality of openings 17 and also with lips 18 stamped up from said side. The ends of the metal plate are engaged with said lips and the upper portion of the plate passes in through one opening 17 and under a section 19 of the side 9 and out of the next opening 17. This securely holds the upper portion of the metal plate on the holder and prevents the bodily movement of said portion relative to the holder under the pressure applied to the bow in removing the type from the holder.

The yielding stop 14 will sustain the line of type thereon when the holder is in an inclined position and will prevent the type from accidentally slipping out of the holder endwise at any time. The stop will yield sufficiently under slight pressure to permit the removal of the type from the holder and this is usually done by grasping the type with a pair of tweezers and forcing it downward past the stop, the latter yielding laterally to permit the passage of the type. The upper end of the type groove may be closed by a slug 20 which, in conjunction with the yielding stop 14 at the lower end of the holder, will prevent the type from slipping out of the holder endwise in any position at any time. I may provide a duplicate of the yielding stop 14 at the upper end of the holder instead of the slug 20, if desired. I prefer to cut away the flange 11 at 11' to make said flange shorter in length than the side 10. This leaves the type groove open for its entire width at the ends of the groove and thereby facilitates the insertion and removal of type from the holder.

While I have referred to the use of my improved type holder in a type setting case covered by my application heretofore mentioned, it will be understood that the invention is capable of use in other ways and with the same desirable results.

What I claim and desire to secure by Letters-Patent is:

1. A type holder having a type groove and an opening therein, and means secured to one side of said holder and provided with a curved portion extending through said opening into the holder, for normally retaining the type therein, but adapted to

yield under abnormal downward pressure of the type to permit the type to be discharged from the holder.

2. A type holder having a type groove and an opening therein, and means secured to one side of said holder and provided with a yielding curved portion extending through said opening into the holder, normally retaining the type therein, but permitting the type to be discharged under abnormal pressure.

3. A type holder having a type groove and an opening therein and lips stamped up therefrom, and a spring metal plate having its ends engaged with said lips and provided

with a bow between its ends which projects through said opening into the type groove.

4. A type holder having a type groove and an opening adjacent one end thereof, and a spring metal plate having a bow which projects through said opening into the type groove, the end of said plate removed from said end of the groove being securely fastened to the holder and the other end of said plate being movable relative to the holder.

JOSEPH S. DUNCAN.

Witnesses:

WM. O. BELT,
M. A. KIDDIE.