

B. O. FANLOW.
TYPE CASE.
APPLICATION FILED MAY 11, 1909.

1,017,520.

Patented Feb. 13, 1912.

Fig. 1.

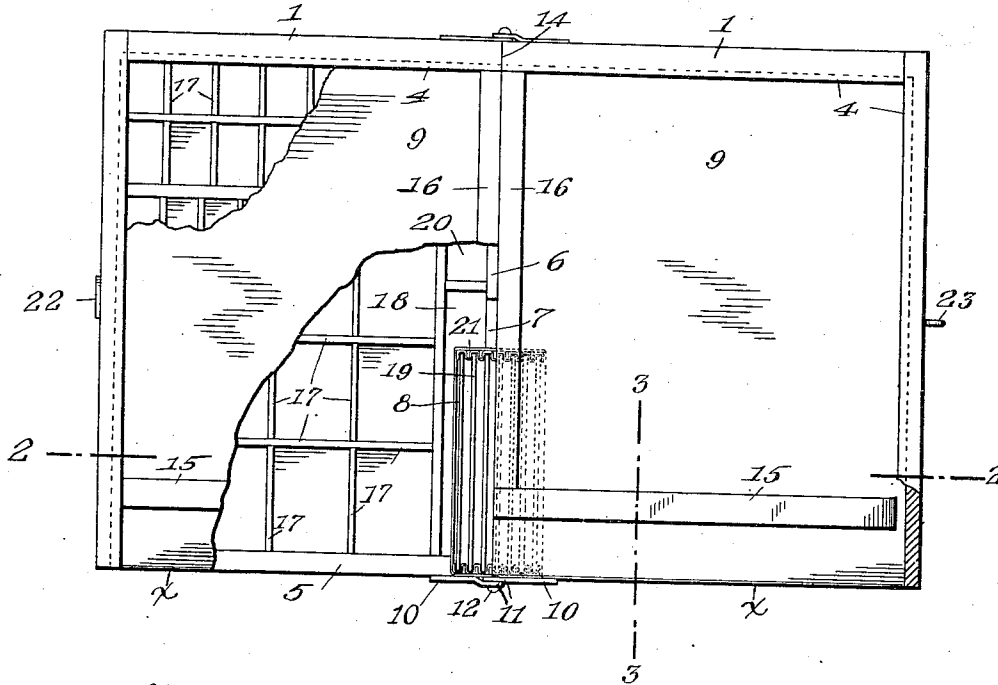


Fig. 2.

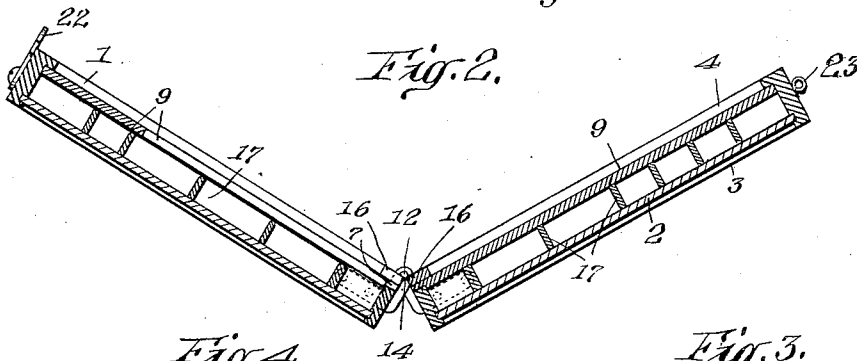


Fig. 4.

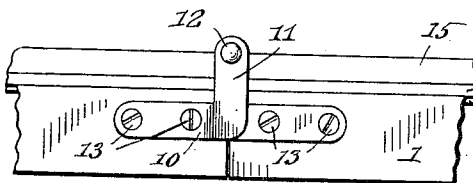


Fig. 3.

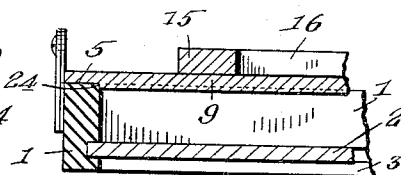
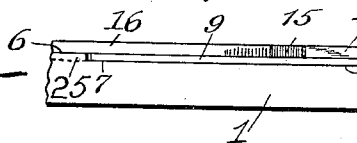


Fig. 5.



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UNITED STATES PATENT OFFICE.

BENJAMIN O. FANSLOW, OF WILLIAMSPORT, PENNSYLVANIA, ASSIGNOR TO POLYGRAPH DUPLICATING TYPEWRITER COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

TYPE-CASE.

1,017,520.

Specification of Letters Patent.

Patented Feb. 13, 1912.

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To all whom it may concern:

Be it known that I, BENJAMIN O. FANSLOW, a citizen of the United States, residing in Williamsport, county of Lycoming, and State of Pennsylvania, have invented a new and useful Improvement in Type-Cases, of which the following is a description.

This invention relates to cases for holding type, and has special reference to portable type-cases for use in connection with polygraph and similar reproducing and imitating machines.

Among the objects of my invention may be noted the following: to provide a type-case with means for conveniently holding a type-stick; to provide a type-case which can be folded into compact form for transportation or portage; to provide a type-case with covers so arranged that, when the case is folded for portage, the type will not fall out or become disarranged; to provide a folding, portable type-case so constructed that its sections may swing about its hinges without straining the latter and without separating the inner adjacent edges of the covers of the casing; and to provide a type-case capable of holding the parts of a specially constructed type-stick, which will be hereinafter more particularly referred to.

With the above objects in view, and others which will be detailed during the course of this description, my invention consists in the parts, features, elements and combinations of elements hereinafter described and claimed.

To properly disclose my invention, I have provided drawings illustrating the same, and therein:

Figure 1 is a plan view of my type-case showing all parts broken away to disclose details and also showing my type-stick referred to in place; 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; Fig. 4 is a detail illustrating the structure of hinge and manner of hinging the two parts of the case; and Fig. 5 is an elevation of a portion of the type-case looking toward the right in Fig. 1 and illustrating the structure between the lead of the numeral 6 and the hinge at the bottom of Fig. 1.

Referring to the drawings, the type-case consists of the two similar, rectangular frames 1, 1, each having its bottom 2 set in a groove so as to leave a depending portion

or flange 3 all around, upon which the case may rest when it is spread out, thus preventing the bottom from coming in contact with the table or support upon which the case may be laid, whereby the bottom of the case is protected and the structure, as a whole, is strengthened. Each of the frame-
portions 1, at its top, is provided with an overhanging flange 4, which extends across the upper edge of the frame and down the outer side. The lower edge 5 of each frame-portion is devoid of flange, as is also the inner side-portion 6. This latter portion of each frame is recessed as at 7, so as to provide a rest, in combination with the portions 5, for the reception of a type-stick generally indicated by 8, as shown in Fig. 1, which type-stick is thus placed, when the two covers 9 have been removed, so as to expose the type in the case ready for setting in composition form in the stick, the stick thus being conveniently placed for manipulation in connection with the type in the case. The two frame-portions 1 of the case are then hinged together so as to lie perfectly flat and close together at their inner side-walls, as shown in Fig. 1, the form of hinge being shown particularly in Fig. 4. Said hinge consists of two substantially similar angle-plates 10, placed with their vertical portions 11 overlapping, and a pivot pin 12 passed through the upper ends of said vertical portions to form a hinge. The horizontal portions 10 are firmly secured to the respective frame-portions 1 by means of screws 13, the vertical portions being arranged so as to extend slightly above the surface of the flanges 4 of the frames and to stand at the junction of the two said frames. Each of the pivot or hinge pins 12 is so arranged that its axis is in line with the crack 14 at the surface of and between the two flanges 4 of the frame-portions 1 for a purpose presently described. The covers 9 are each provided with a transverse strengthening bar or rib 15, which is located slightly within the lower edge of the cover, and also with a longitudinal strengthening bar or rib 16 extending along the inner edge of the cover from the transverse bar 15 to abutment with the edge of the top flange 4. These covers 9 slide under the flanges 4 and the longitudinal strengthening ribs 16 are brought into abutment in line with the crack 14. When thus set in place, the covers rest directly

upon the top of the partitions 17, forming the type-receptacles of the case, which partitions are made shallow, as shown in Fig. 2.

The division of the type-case for producing the type-receptacles may be usual, but, in addition to the type-receptacles, I have provided a space 18, in each frame-portion 1, for the reception of the spacing-bars 19 of the type-stick and another receptacle 20, in each frame-part, for the reception of the bar-spacers 21 of said type-stick. The type-stick is of such proportions that, when the case is closed and the two parts fastened together by the hook 22 and eye 23, the same may be inclosed within the space between the tops of the two covers 9. Thus, the type-case and type-stick cannot become separated and the parts will always be convenient for immediate work when necessary. When the covers 9 are in place, as shown in Figs. 1 and 2, their lower edges *x* will rest against the vertical portions 11 of the adjacent hinge, thus preventing them from sliding out or becoming separated from the case except by manual manipulation; and, when said covers are in place, as shown in said figures, the case can be folded on its hinges into closed position without disarranging or spilling the type in the several receptacles, so that said type cannot become mixed during transportation. In order to properly and closely fit the covers to the casing, a groove, indicated by 24, Fig. 3, is formed in the bottom surface of each cover near the lower edges *x*, for the reception of the edges 5 of the frame-portions; and each of said covers is also provided with a groove 25 in its bottom, extending longitudinally of its bracing-bar 16 for the reception of the portion 6 of the casing. By thus constructing the casing and cover, a perfectly snug and tight fit is produced, which prevents the type from being mixed or thrown out of the respective receptacles and which prevents the covers from being separated or loosened accidentally; and by constructing the hinges and securing the two parts together as described, the case can be laid with its two sections quite flat upon any table or support and can be closed with its covers in position without separating the two contiguous edges of the covers and the two contiguous edges of the flanges 4, as represented by the line or crank 14; that is to say, the hinges are so disposed and the parts are so constructed that the contiguous edges represented by the line 14 pivot or swing about each other and never become separated in any position of the two parts, whether opened or closed, thus providing a neat, compact and strong structure, the parts of which cannot become loosened and cannot rattle, move or grind on each other.

Among the advantages of my invention it may be noted that a portable type-case is provided which is neat and compact, easily handled and in which the type cannot become mixed; that a type-case is provided which can carry its own type or composition-stick, thus making the same exceedingly convenient and ever ready for use; and that a strong and durable structure is produced, which cannot be readily broken and upon the hinges of which no damaging strain can be produced.

Having thus described my invention, what I claim and desire to secure by Letters Patent is:

1. A folding type-case comprising two frames, a removable cover for each of said frames, and means for hinging the two frame-parts together so that contiguous edges of the covers may be held from separation when the case is closed.

2. A type-case comprising two frame-portions, hinges applied to the outside of said frame-portions and having vertically-extending parts, and a cover for each of said frame-portions held in place by flanges of the latter and one of the hinges.

3. A type-case comprising two frame-portions hinged together, said case being provided, near one of its hinges, with a receptacle for a type-stick, and said hinge having a projecting portion for engaging said stick to prevent it from slipping from the case.

4. A type-case comprising two portions hinged together, each being provided with overhanging retaining flanges, a cover for each of said portions of a size to slide under and be retained by said flanges leaving a recess above said covers bounded by said flanges, the flanges of each portion coöperating the one with the other when the portions of the case are folded upon their hinges and brought together as to produce a chamber between said portions in which articles may be carried.

5. A type-case composed of two parts having overhanging flanges at its top and along opposite sides, in combination with a two-part cover coöperating with portions of said flanges, and hinges for movably securing the two parts of the type-case together, one of said hinges coöperating with edges of the two covers, whereby said covers will be held closely down upon the type-case under the said flanges and against the said hinges.

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

BENJAMIN O. FANSLOW.

Witnesses:

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SETH T. McCORMICK, Jr.