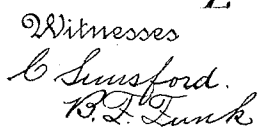


F. D. MARTIN.
SCHOLAR'S COMPANION.

Patented Sept. 18, 1894.



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UNITED STATES PATENT OFFICE.

FRANK D. MARTIN, OF SPRINGFIELD, VERMONT.

SCHOLAR'S COMPANION.

SPECIFICATION forming part of Letters Patent No. 526,110, dated September 18, 1894.

Application filed January 24, 1894. Serial No. 497,859. (No model.)

To all whom it may concern:

Be it known that I, FRANK D. MARTIN, a citizen of the United States, residing at Springfield, in the county of Windsor and State of Vermont, have invented certain new and useful Improvements in Scholars' Companions, of which the following is a specification.

This invention relates to the class of scholars' companions, and particularly to a bracket covering the end edges, and to the end itself.

The object of the invention is to provide a skeleton bracket of simple, cheap and durable construction, in which the lid of the scholar's companion is pivoted, and by means of which the end piece is secured to the companion.

A further object of the invention is to provide an end piece of the same outline as the skeleton bracket so that it may be held securely in place by simply attaching the said bracket in its proper position.

The invention consists in the novel construction and arrangement of parts, and essentially in the peculiar manner of making the end piece and the bracket.

In the accompanying drawings forming part of this application: Figure 1 is a perspective view of a scholar's companion, open, showing my improved end brackets in place. Fig. 2 is a perspective view of one of the brackets. Fig. 3 is a perspective view of one of the end pieces. Fig. 4 is a perspective view of a modified form of the bracket. Fig. 5 is an end view of the lid. Fig. 6 is a sectional view partly broken away.

The same letters of reference denote the same parts throughout the several figures of the drawings.

The top or lid A, has pivots B, formed in the same piece therewith, with the end of each pivot flush with the ends of the lid, leaving a space *a*.

The skeleton bracket C, which is cast all in one piece has top flanges *b*, and *c*, bottom flanges D and E, and side flanges *d*, and *e*.

At each lower corner of the bracket the flanges E, and *e*, are extended at right angles to form ears F, having an aperture *f*. The said flanges *e*, have ears G, with an aperture *g*, the said ears being formed by extending the flanges *e*, at right angles near their top. At the juncture of one of the end flanges and the top flange is formed, in the same piece

with the bracket, the bearing H, for the said pivot B, and a central opening is left through the bracket smaller than the box end.

The ends I, are of shape to fit in upon the flanges D, *c*, and *d*, *d*, their lower corners being square, while one of their upper corners is convex or rounded at *h*, and the other upper corner concaved or cut out at *i*, and when the said ends I, are placed in this position, they form the inclosing ends of the companion without the use of screws, brads, nails, or any such attaching elements either between the end piece and the bracket or between the companion and end piece.

The sides K, bottom L, and ends I, are connected or joined and held firmly together by the skeleton bracket, and when the form of bracket as shown in Fig. 3 is employed, the pin *l*, extends through the ears F, and through the sides K, and into the bottom L, while through the aperture *g* in the ears G, and into the said sides, is driven a like shorter pin *l'*, thus completing the said connection, without employing screws, brads, or any other securing elements to produce a complete scholar's companion.

Referring to the modification shown in Fig. 4, the flange E, is made deeper so that the bottom L, will rest thereon, and be held in place by the bracket allowing the shorter pin *l'*, to be used which only enters the side of K, without engaging the bottom L, thus leaving the ends and bottom entirely separate from each other, and from the bracket and sides while the intermediate ear N, cast with the bracket, so as to extend through the end piece, is for the purpose of attaching a partition M in the companion, after the brackets are secured in place. By this construction and arrangement, the brackets containing the end pieces, with the lid pivoted in the same and the bottom in position, have simply to be attached to the sides, to complete a scholar's companion of a very cheap and novel character.

Having thus described my invention, what I claim is—

1. The herein described end bracket for boxes, having flanges upon its top, bottom and sides, ears upon the said bottom and side flanges, and a central opening through the bracket, as set forth.

2. The herein described end bracket for boxes, having flanges upon its top, bottom and sides, and a central opening through it, ears projecting from one of the said bottom
5 and side flanges, and the pivot bearing formed in the same piece with the bracket at the juncture of one of the top and side flanges, as set forth.

3. The herein described end bracket for
10 boxes having flanges covering all the end edges of the box, and a central opening, the flange covering the bottom edge being deeper than the other flanges, combined with the ears, and the pivot bearing formed in the
15 same piece with the bracket at the juncture of two of the said flanges, as set forth.

4. The combination in a scholar's companion, of the skeleton bracket having top and bottom flanges, and side flanges provided with
20 ears, the end pieces shaped to fit in between all of the said flanges and the side ends of

the companion, the said end pieces being held in place by securing the said side ends to the said ears, as set forth.

5. In a scholar's companion, the lid having 25 the pivots formed in the same piece therewith, the skeleton brackets having flanges upon their top, bottom and sides, the ears and pivot bearing formed in the same piece with the bracket, the end pieces contained in 30 the brackets, the sides K, contained in the brackets and to which the latter are only attached, and the bottom L, supported by one of the said bottom flanges of the brackets, substantially as shown and described. 35

In witness whereof I hereunto set my hand in the presence of two witnesses.

FRANK D. MARTIN.

Witnesses:

A. M. ALLBE,
G. L. CLOSSON.