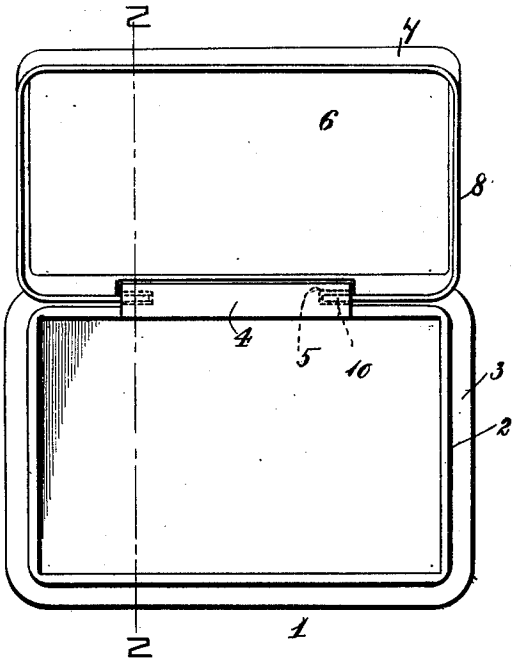
June 24, 1930. L. W. KENDRICK 1,766,787

BOX

Filed Nov. 22, 1928

Fig. 1.



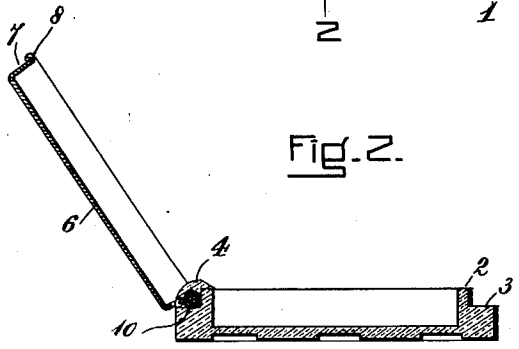


Fig. 2.

Fig. 3.

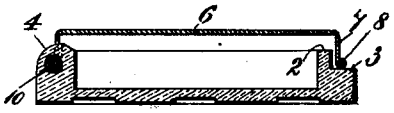


Fig. 4.

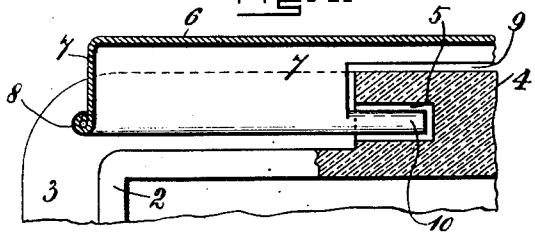


Fig. 5.

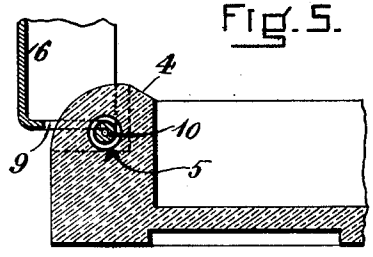
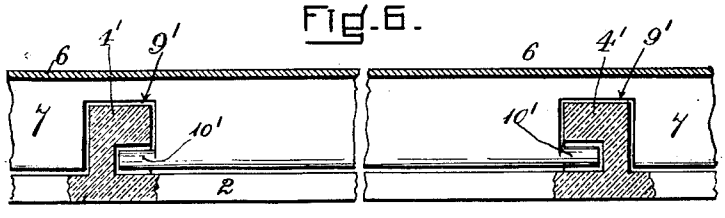


Fig. 6.



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Patented June 24, 1930 1,766,787

UNITED STATES PATENT OFFICE

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BOX

Application filed November 22, 1928. Serial No. 321,100.

The invention relates to an improvement in boxes or containers having a body and hinged cover, and especially one for holding an inking pad.

The object of the invention is to provide a box or container of simple construction and attractive form consisting preferably of but two self-combining integral parts, the body of the box and cover hinged to it.

The invention can best be seen and understood by reference to the drawings, in which—

Figure 1 is a plan of the combined box body and cover with the cover open.

Fig. 2 is a section on the line 2—2 of Fig. 1.

Fig. 3 is a cross section of the box with cover closed.

Fig. 4 is illustrative in enlarged detail of a portion of the hinged connection between the box body and cover with the cover open and with the adjacent parts shown partly in plan and partly in cross section.

Fig. 5 is a cross section illustrative in enlarged detail of the hinged connection between the box body and cover, and

Fig. 6 is a view partly in section and partly in elevation of a slightly modified structure to which special reference will hereafter be made.

Referring to the drawings:—

1 represents the body of the box. This is preferably provided with a raised rib 2 upstanding from the top surface or face 3 of the box with extension all around the opening in it, and inset from the sides and ends of the box. The box body is preferably made of rubber moulded into form.

Located on the top surface 3 of the box body on the rear side thereof just outside the rib 2 thereon, is a knuckle 4 forming part of a hinge connection for the cover as will presently be explained. This knuckle is made of elastic material such as rubber permitting of the knuckle being distorted and of automatically resuming its normal form after deformation or distortion. When the box body is made of rubber the knuckle is moulded as part of the body and is merged with that portion of the rib 2 to which it is adjacent. The knuckle is provided with holes or openings 5 at the ends thereof preferably formed by extending an opening through the entire knuckle.

6 is the box cover provided with flanged sides and ends 7 having preferably a rolled edge 8. When in place on the box body the cover extends over the rib 2 on the body and the flanged sides and ends of the box extend down outside this rib with the bottom edge 8 thereof resting on the top surface or face 3 of the body. The cover is preferably made of metal and formed by stamping.

Formed within the flange 7 on the rear side of the cover is an incision 9 into which the knuckle 4 fits when the cover is in place on the box body. The cover is hinged to the knuckle and body of the box by separate pintles 10 on the cover adjacent the incision 9 therein with extension into the openings 5 in the ends of the knuckle. The pintles 10 are spaced from one another a distance slightly less than the length of the knuckle into which they fit, while the combined length of the two pintles and space between them is about equal to the length of the knuckle. The pintles 10 will accordingly have relatively only a short extension into the openings 5 in the knuckle so that the pintles can be applied to the knuckle or removed from it simply by distorting the knuckle. This may be done by compression for shortening it sufficiently to permit of the pintles being slipped into place. After such compression, with the pintles in place, the knuckle being allowed to relax and resume its normal shape, will fit over the respective pintles and thereby form the hinged connection between the cover and the body of the box. Instead of distorting the knuckle by compression for receiving the pintles the knuckles may be distorted by bending it when, as is preferably the case, the entire body of the box bearing the knuckle is made of elastic material or rubber. In such case the knuckle may be bent, with the effect of so relatively shortening it as to permit of the pintles being slipped into place, by bending the entire body of the box. However applied, the pintles may be removed from the knuckle by first distorting it as before.

In Fig. 6 there is shown a slight modification of the invention in that the knuckle

instead of being made single as in the constructon just described, is made double,—a feature quite common in hinge construction. In other words, the knuckle on the box body comprises separate spaced elements or parts 4′, each element being provided with an opening 5′ in it for receiving a pintle connection. The flange 7 of the cover is provided with separate incisions 9′, 9′ into which the respective elements of the knuckle or double knuckle are adapted to fit when the cover is in place on the box body. That portion of the flange 7 lying between the respective elements of the knuckle, when the cover is in place as aforesaid, is provided with pintles 10′, respectively, and these pintles extend outwardly into the openings in the respective elements of the knuckles, thereby completing the hinged connection between the cover and the body of the box. The length of the pintles is such that they extend but a short distance into the respective elements of the knuckle and accordingly may be applied to them by distorting one or both of the knuckles. This may be done by lateral compression, or by bending the entire body including the knuckle of the box when the body is made of elastic material or rubber.

The pintles 10 or 10′ are formed on the cover simply by extensions of the rolled edge 8 thereof, the incisions 9 or 9′ in the cover being so made as to leave these extensions or pintles.

By the term "knuckle" as used in the appended claims is meant one consisting of a single element or part or one made sectional in character with spaced elements or parts.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States:—

1. In a box having separate members, one a box body and the other a cover, means forming a hinged connection between said members comprising a knuckle on one of said members with pintle-receiving openings in the knuckle, said knuckle being of elastic material admitting of its automatic return to normal shape after distortion, and pintles on the other of said members arranged to extend respectively into the openings in the knuckle and to co-operate with the knuckle in manner whereby the pintles may be applied to or removed from the knuckle by distorting the knuckle.

2. In a box having separate members, one a box body and the other a cover, means forming a hinged connection between said members comprising a knuckle on one of said members with pintle-receiving openings in said knuckle, said knuckle being of elastic material admitting of its automatic return to normal shape after distortion, the other of said members being fitted to receive said knuckle, and pintles on the other of said members arranged to extend respectively into the openings in the knuckle and to co-operate with the knuckle in manner whereby the pintles may be applied to or removed from the knuckle by distorting the knuckle.

3. In a box having a body and cover, the cover having a flanged edge, means forming a hinged connection between the body and cover comprising a knuckle on the box body with pintle-receiving openings in the knuckle, said knuckle being of elastic material admitting of its automatic return to a normal shape after distortion, the cover along the flanged edge thereof being fitted to receive said knuckle and to form pintles arranged to extend into the openings in the knuckle and to co-operate with the knuckle in manner whereby the pintles may be applied to or removed from the knuckle by distorting the knuckle.

LAURENCE W. KENDRICK.