March 6, 1945. M. P. JUNKIN 2,370,967

BOX

Filed Dec. 26, 1940

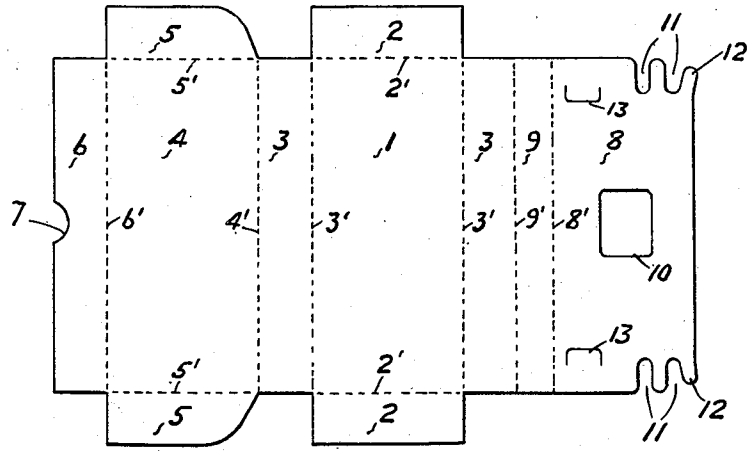


FIG. 1.

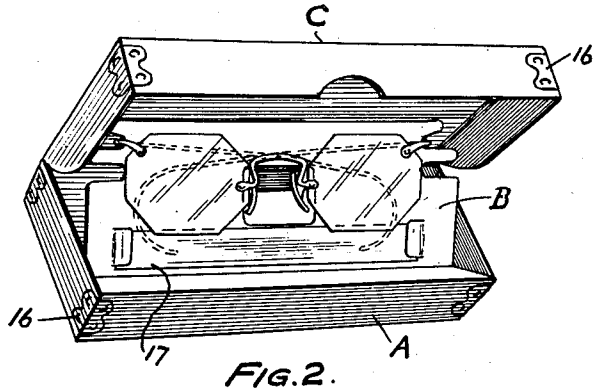


FIG. 2.

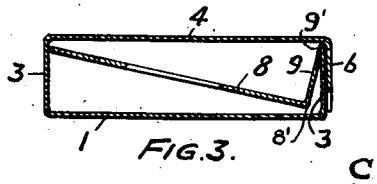


FIG. 3.

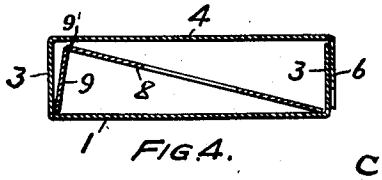


FIG. 4.

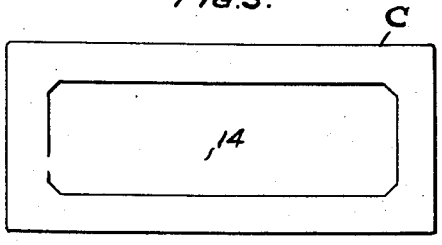


FIG. 5.

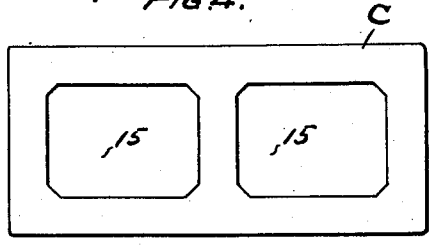


FIG. 6.

WITNESS:

Prof. P. Mitchell

INVENTOR

Malcolm P. Junkin

BY

Burns Hardway

ATTORNEYS.

Patented Mar. 6, 1945

2,370,967

UNITED STATES PATENT OFFICE

2,370,967

BOX

Malcolm P. Junkin, Lansdowne, Pa., assignor to Louis Wolf, Elkins Park, Elias Wolf, Dresher, Howard A. Wolf, Jenkintown, and Walter L. Wolf, Rydal, Pa., copartners, doing business as National Metal Edge Box Company, Philadelphia, Pa.

Application December 26, 1940, Serial No. 371,752

2 Claims. (Cl. 206—6)

This invention relates to an improvement in boxes and more particularly relates to a box adapted more especially for the packaging of spectacles.

The box in accordance with this invention will be readily and economically produced and will be efficient and durable in use and, more particularly, will be of such structure as to afford maximum protection to spectacles in shipment.

Generally speaking, the box in accordance with this invention will be formed from a single blank, though in contemplation of this invention it may comprise two essential parts assembled together.

More particularly the box according to this invention will comprise a body portion and integral therewith a cover, which may be plain or apertured. Within the body portion of the box will be a support for a pair of spectacles. The support, which may be integral with the body or a separate element, will be so formed as to enable it to be closely embraced by a pair of spectacles and to serve as a cushioning support therefor. The support will desirably also be so formed as to provide means for securing to its surface a strip of paper or card upon which may be written, for example, the prescription of the lenses, owner's name, or other desired information.

Having now generally indicated the nature and purpose of this invention, I will proceed to a detailed description of a preferred embodiment thereof and certain modifications, all with reference to the accompanying drawing, in which:

Figure 1 is a plan view of a blank for the production of a box embodying this invention.

Figure 2 is a perspective view of a box formed from the blank shown in Figure 1.

Figure 3 is a cross-sectional view of the box shown in Figure 2, with the cover in closed position.

Figure 4 is a cross-sectional view of a box of modified form over that shown in Figure 3.

Figures 5 and 6 are plan views of modified forms of covers over that shown in Figures 1 and 2.

Referring now more particularly to Figures 1–4, the essential parts of the box illustrated comprise a body A, within which is a support B, which may be integral with the body (Figs. 2 and 3) or separate (Fig. 4), as will appear, and the cover C. The box may be formed of any desired material, as heavy paper, cardboard, or the like.

In the preferred embodiment of this invention the box will be formed by folding from the blank illustrated in Figure 1, in which 1 indicates the bottom of the body, 2, 2 indicate end walls formed by extensions of the bottom of the body, the lines of juncture 2', 2', with the bottom, being creased to facilitate folding, and 3, 3 indicate front and back walls, formed by extensions of the bottom, the lines of juncture 3', 3' with the bottom being creased to facilitate folding.

The top of the cover 4 extends from the rear wall 3 of the body, the line of juncture 4' being creased, and is provided with end flanges 5, 5, formed by extensions of the top, the lines of juncture 5', 5' with the cover being creased, and with a front flange 6, formed by an extension of the top, the line of juncture 6' with the cover being creased. The front flange 6 is provided with a recess 7 in its free edge to facilitate raising of the cover to open the box.

The support comprises a base 8, from which extends a flange 9. The flange is formed by an extension of the front wall 3 of the body, the line of juncture 9' being creased. The extension forming the flange 9 is desirably of less width than the front wall 3. The base 8 is formed by an extension of the flange 9, the line of juncture 8' being creased. The base is provided about centrally with an aperture 10 and with a plurality of recesses 11, 11 extending inwardly from its ends adjacent its free edge and its free edge portion is cut away at its ends as indicated at 12. The base will also be provided with a pair of oppositely facing ears 13, 13, formed by slitting.

If desired, as has been indicated, the support may be formed as a separate element. Thus, as shown in Figure 4, the base 8 and its flange 9 are formed separately from the body and cover of the box, which are formed integrally as described.

The cover C may be plain, as in the blank Figure 1, or, if desired, may be provided with an aperture 14 (Fig. 5), or a plurality of apertures 15, 15 (Fig. 6), the apertures, if desired, being closed with transparent material, as cellophane.

The folding of the blank shown in Figure 1 to form the box will be obvious from an inspection of Figures 2 and 3, and the formation of the box with separate support B, as shown in Fig. 4, will be equally obvious, it being noted that the walls of the body and the flanges of the cover are secured at the corners by metal strips 16, provided with spuds engaged in the material forming the walls and flanges.

In the use of the box for, for example, packaging spectacles, the support B is lifted clear of

the body A, then the bows of the spectacles are engaged in a pair of the recesses 11 in the base 8 and brought together beneath the support, with the nose piece in the aperture 10 in the base and the lenses supported on the base. It will be noted that the pairs of the recesses 11 are related to the aperture 10 so that they will, respectively, accommodate spectacle bows variously positioned with respect to their point of connection to the lenses.

Where the support C is formed separate from the body of the box, it is removed from the box and replaced after the spectacles are engaged with it as described above, it being noted that in replacing the support in the box the flange 9 will desirably be positioned adjacent to the rear wall, as shown in Figure 4.

As may be desired, the prescription for the lenses may be written on a strip 17 of paper or cardboard and associated with the spectacles by securing it to base 8 of the support by engaging its end portions beneath the ears 13, 13.

What I claim and desire to protect by Letters Patent is:

1. A box for packaging spectacles comprising a body, a cover and a support for spectacles within the body, the support comprising a base having a flange extending from one of its edges, its opposite edge being free, the said body, cover and support being formed by folding from a single blank, the base being centrally apertured to accommodate the nose piece of a pair of spectacles and being provided with recesses for the passage of the bows of a pair of spectacles extending oppositely into its body from opposite free edges thereof adjacent its edge opposite to that from which said flange extends.

2. A box for packaging spectacles comprising a body, a cover and a support for spectacles within the body, the support comprising a base having a flange extending from one of its edges, its opposite edge being free, the said body, cover and support being formed from a single blank, the base being centrally apertured to accommodate the nose piece of a pair of spectacles and being provided with a pair of recesses for the passage of the bows of a pair of spectacles extending oppositely into its body from each of the opposite free edges thereof adjacent its edge opposite to that from which said flange extends, one of the recesses of each of the said pairs of recesses being located with respect to the central aperture to accommodate the nose piece of a pair of spectacles for the reception of the bows of a pair of spectacles having bows located substantially on the horizontal axes of the lenses, and one of the recesses of each of the said pairs of recesses being located with respect to the central aperture for the accommodation of the nose piece of a pair of spectacles for the reception of the bows of a pair of spectacles having bows located substantially above the horizontal axes of the lenses.

MALCOLM P. JUNKIN.