Oct. 30, 1934. P. MARIENTHAL 1,978,754

LOOSE LEAF BOOK CONSTRUCTION

Filed Feb. 16, 1934

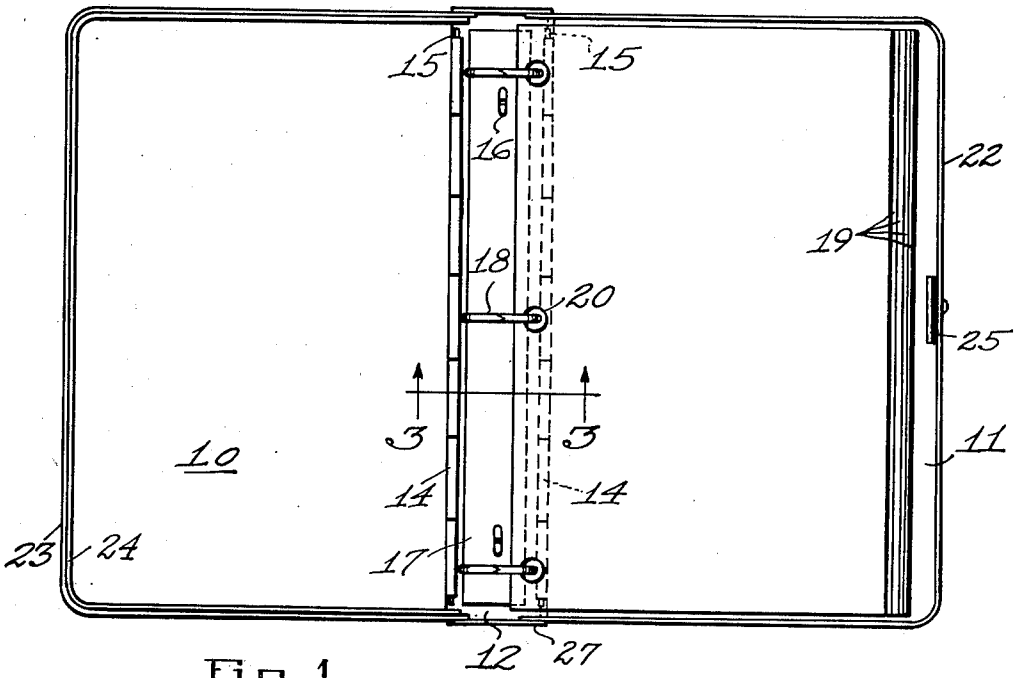


Fig-1-

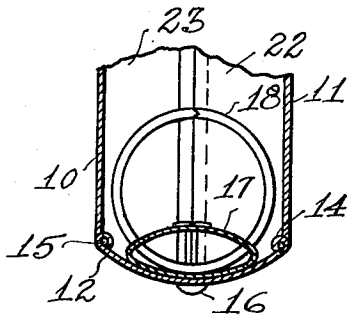


Fig-3-

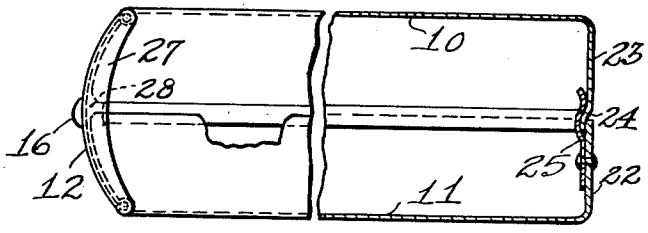


Fig-2-

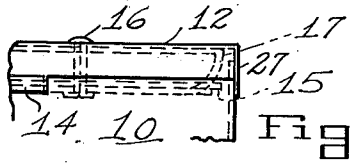


Fig-4-

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LOOSE-LEAF BOOK CONSTRUCTION

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6 Claims. (Cl. 281—29)

This invention relates to loose-leaf book constructions and particularly to constructions especially designed for use as loose-leaf recipe books.

The principal object of the invention is to provide a loose-leaf book which is particularly adapted for use as a recipe book. In the design of the book, novel features have been provided, as outlined below.

First of all, the top cover and the bottom cover of the book are provided with flanges which come together when the book is closed to form a protecting wall for the leaves of the book and which separate when the book is opened to form a ledge around the leaves of the book to protect the leaves from cooking ingredients that may gather on the mixing table whereon the book is disposed while the cook is referring to it. In the construction disclosed, the flanges are so made that their edges telescope within each other, to form a tightly sealed dust proof casing when the book is closed which resembles a closed box is appearance and utility.

The back of the book is provided with caps or ears which overlie parts of the flanges of the top and bottom covers and cooperate with these flanges to make a tightly sealed dust proof casing when the book is closed, and to provide a continuous ledge when the book is opened.

Furthermore, the back is joined to the top and bottom covers by means of piano hinges having long pintle pins, and these are held in place by the ears or caps of the back.

The construction is such that the book, when closed, is in the nature of a closed metallic box containing loose leaves upon which may be printed recipes, and when opened, is in the nature of a flat metallic tray containing recipe sheets which are protected by the ledge formed by the flanges and caps or ears.

Other features of the invention will be readily understood upon reference to the following detailed description of the embodiment thereof disclosed in the appended drawing.

In this drawing;—

Fig. 1 shows the book in opened condition and lying flat upon a table with the leaves thereof turned to the right and resting upon the bottom of the book;

Fig. 2 is a cut away end view of the book in its closed condition;

Fig. 3 is a partial section as if on line 3—3, Fig. 1, but showing the book closed;

Fig. 4 is a fragmentary corner view of the book in its closed condition and shows the back of the book together with a portion of the top thereof.

Referring to the drawing, it will be seen that the book comprises a top cover 10, a bottom cover 11, and a back 12, joined to one another by the piano hinges 14 whose loops are interconnected by the elongated pintle pins 15.

Riveted to the back of the book, by means of rivets 16, is a ring set which includes a back piece 17 and a plurality of split rings 18, the ring set itself being more or less conventional. Received within the cover formed by the parts 10—15 heretofore mentioned, and held in place by the rings, are a plurality of loose leaves 19 having perforations 20 registering with the rings 18 and these leaves are adapted to have printed upon them any desired matter, such as recipes or the like.

The bottom cover of the book is provided with a flange 22 around three of its edges, which flange extends up from the bottom a distance substantially half the height of the back 12. Similarly, the top 10 is provided with a flange 23 which extends downwardly from the top to a plane slightly below the center of the back 12. The free edge of the flange 23 is rabbeted, as indicated best at 24, so as to telescope or nest within the free edge of the flange 22, the two flanges nesting to form a flush surface protecting wall for the closed book. A spring clip 25, riveted to the flange 22, snaps over the rabbeted edge 24 to hold the top 10 tightly against the bottom 11, when the book is closed.

The back piece 12 is provided with caps or ears 27, which project over the flanges 22, 23, a considerable distance, enough to close the gap at 28 left by these flanges where they terminate near the back of the book. These caps or ears cooperate with the flanges 22, 23, to form a dust proof casing for the book, when the book is closed, and to form a continuous ledge around the leaves, when the book is opened.

It will be observed that the pintle pins 15 are prevented from shifting out of their hinge loops by the caps or ears 27, the construction being such that no parts can separate to destroy the utility of the book.

Now having described a preferred embodiment, reference is had to the following claims which determine the scope of the invention, it being understood that the invention is not to be limited to the embodiment disclosed.

I claim:

1. A book construction comprising top and bottom covers, having free edges, a sheet metal back

joining the covers and hingedly connected by piano hinges at its edges to free edges of the covers, the covers having flanges on other free edges which cooperate with each other and with the back to form a closed protecting case for the book when the book is closed, the flanges together forming a protecting ledge for the book when the book is opened, the back having end caps bent up therefrom and which overlie portions of the cover flanges when the book is closed.

2. A book construction comprising top and bottom covers, having free edges, a sheet metal back joining the covers and hingedly connected by piano hinges at its edges to free edges of the covers, the covers having flanges on other free edges which cooperate with each other and with the back to form a closed protecting case for the book when the book is closed, the flanges together forming a protecting ledge for the book when the book is opened, the back having end caps bent up therefrom and which overlie portions of the cover flanges when the book is closed, and which connect the flanges to form a continuous ledge when the book is opened, the end caps restraining movement of the pintle pins of the hinges.

3. In book construction, a book binder comprising a sheet metal back, top and bottom portions hingedly connected thereto on opposite edges thereof by piano hinges, and having cooperating flanges on their unhinged edges which come together when the book is closed to form a case and which form a protecting ledge for the interior of the book when the book is opened, the back having end caps bent up therefrom and which overlie portions of the aforementioned flanges when the book is closed.

4. In book construction, a book binder comprising a sheet metal back, top and bottom portions hingedly connected thereto on opposite edges thereof by piano hinges, and having cooperating flanges on their unhinged edges which come together when the book is closed to form a case and which form a protecting ledge for the interior of the book when the book is opened, the back having end caps bent up therefrom and which overlie portions of the aforementioned flanges when the book is closed, and which connect the flanges to form a continuous ledge when the book is opened.

5. In book construction, a book binder comprising a sheet metal back, top and bottom portions hingedly connected thereto on opposite edges thereof, and having cooperating flanges on their unhinged edges which come together when the book is closed to form a case and which form a protecting ledge for the interior of the book when the book is opened, the back having end caps bent up therefrom and which overlie portions of the aforementioned flanges when the book is closed, the hinges being in the nature of piano hinges and having elongated pintle pins, which are retained in place by the aforementioned caps.

6. In book construction, a book binder comprising a sheet metal back, top and bottom portions hingedly connected thereto on opposite edges thereof, and having cooperating flanges on their unhinged edges which come together when the book is closed to form a case and which form a protecting ledge for the interior of the book when the book is opened, the back having end caps bent up therefrom and which overlie portions of the aforementioned flanges when the book is closed, and which connect the flanges to form a continuous ledge when the book is opened, the hinges being in the nature of piano hinges and having elongated pintle pins, which are retained in place by the aforementioned caps.

PAUL MARIENTHAL.