April 20, 1926. 1,581,191

W. K. GERBRICK

COMBINED WEB ROLL SHIPPING AND WEB DISPENSING CONTAINER

Filed Feb. 16, 1925 2 Sheets-Sheet 1

Fig. 1.

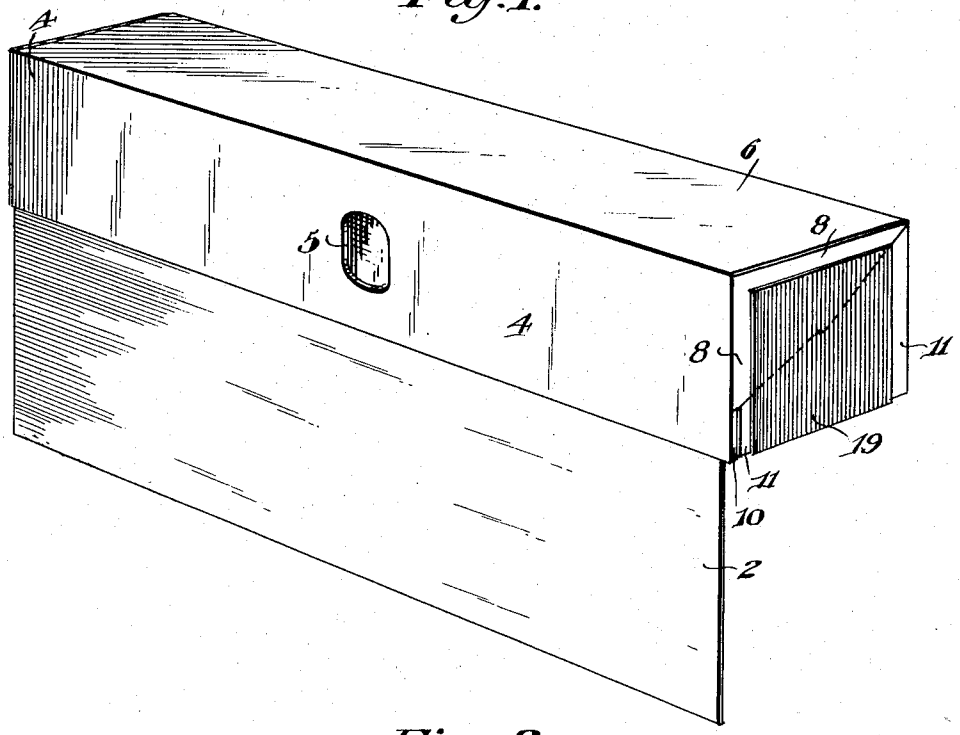


Fig. 2.

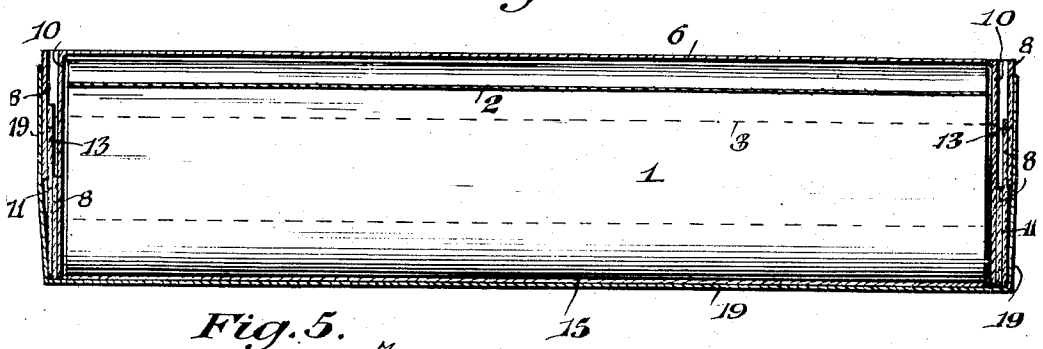
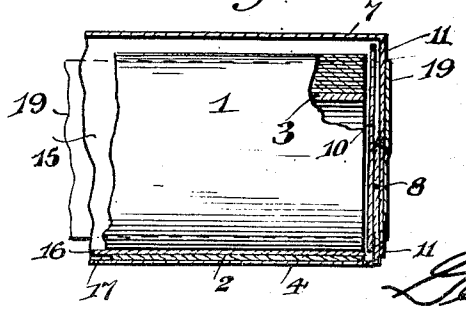


Fig. 5.



INVENTOR.
William K. Gerbrick,

BY

Geo. P. Kimmel. ATTORNEY.

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Fig. 3.

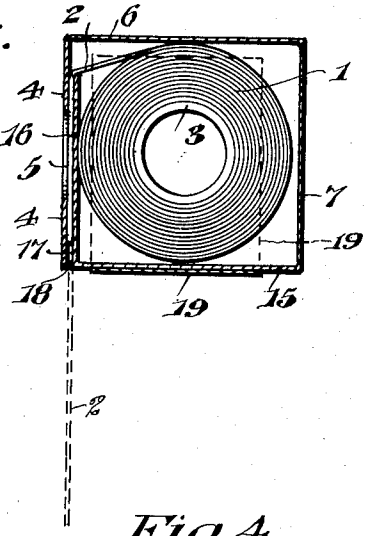


Fig. 6.

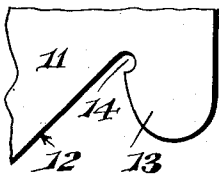


Fig. 7.

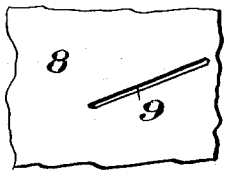
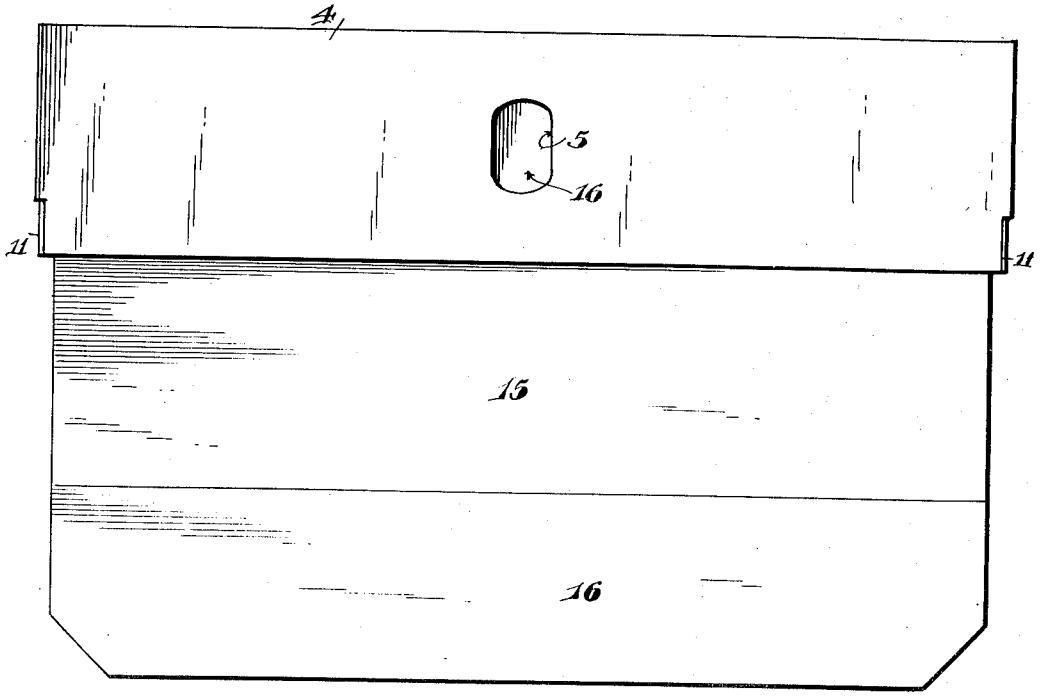


Fig. 4.



INVENTOR.
William K. Gerbrick

BY

Geo. P. Kimmel ATTORNEY.

Patented Apr. 20, 1926. 1,581,191

UNITED STATES PATENT OFFICE.

WILLIAM K. GERBRICK, OF NEENAH, WISCONSIN.

COMBINED WEB-ROLL SHIPPING AND WEB-DISPENSING CONTAINER.

Application filed February 16, 1925. Serial No. 9,534.

To all whom it may concern:

Be it known that I, WILLIAM K. GERBRICK, a citizen of the United States, residing at Neenah, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Combined Web-Roll Shipping and Web-Dispensing Containers, of which the following is a specification.

This invention relates to a combined web roll shipping and web dispensing container, designed primarily for use in connection with a roll of paper web, but it is to be understood that a combined shipping and dispensing container, in accordance with this invention, can be employed for any character of web roll for which it is found applicable, and the invention has for its object to provide, in a manner hereinafter set forth, a sealed container for the purpose referred to, having means for securely retaining the roll therein during shipment and further with means to provide for the unwinding of the web from the roll and withdrawing it from the container so that the web can be severed in any length desired when occasion requires.

Further objects of the invention are to provide, in a manner as hereinafter set forth, a combined web roll shipping and web dispensing container for the purpose referred to which is simple in its construction and arrangement, strong, durable, compact, thoroughly efficient and convenient in its use, readily packed with the roll, and inexpensive to manufacture.

With the foregoing and other objects in view the invention consists of the novel construction, combination and arrangement of parts, as hereinafter more specifically described and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which fall within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:—

Figure 1 is a perspective view of a combined web roll shipping and web dispensing container, in accordance with this invention, in reversed or dispensing position, and showing a portion of the web withdrawn therefrom.

Figure 2 is a longitudinal sectional view thereof.

Figure 3 is a cross sectional view with the web not extended from the container.

Figure 4 is a plan view of the body portion of the container with the closure therefor extended.

Figure 5 is a fragmentary view in horizontal section.

Figure 6 is an elevation of an end flap on the rear wall.

Figure 7 is a like view of an end flap on the front wall.

The adaptation of the container is shown, by way of example, in connection with a roll of wrapping paper, but it is to be understood that the container can be employed for shipping and dispensing any character of roll paper or roll fabric, and referring to the drawing, 1 denotes a roll of paper web and 2 that part of the web withdrawn from the body portion of the container. Preferably the roll is of a length to snugly fit the inner faces of the ends of the container, but the fit is such as not to prevent the revolving of the roll when withdrawing the web. The roll can be set up with a hollow core 3 upon which the web is wound. If the roll is of a length as not to snugly fit the ends of the container, fillers (not shown) can be interposed between the ends of the roll and ends of the container. The diameter of the roll, preferably, will be such as to abut against the top, bottom and sides of the container, which in connection with the abutting of the roll against the ends of the container will prevent shifting of the roll during shipment. It will be understood, however, that the length and diameter of the roll can be as desired.

The container, preferably, is rectangular in contour, but if desired it can be square, or other desirable polygonal form capable of obtaining the purposes referred to. As shown the container is of rectangular contour, and comprises a body portion constructed from a one-piece blank of scored card board of the desired rigidity. The body portion includes a front wall 4 provided with a transversely extending oval-shaped opening 5, intersected by the longitudinal center of said wall. The ends of the opening 5 are spaced a substantial distance from the top and bottom of the wall 4. Extending from the wall 4 is the bot-

tom 6 which merges into the rear wall 7, and the latter is of the same width and length as the width and length of the wall 4 and bottom 6.

The front wall 4 is provided at each end with a rearwardly extending horizontally disposed rectangular flap 8 formed with a diagonal slot 9. The bottom 6 has projecting from each end a vertically disposed rectangular flap 10, against the outer face of which is positioned a flap 8. The rear wall 7 has projecting forwardly from each end thereof a horizontally disposed flap 11 having an upwardly inclined lower edge portion 12, a curved depending tongue 13 and a notch 14. When the walls 4 and 7 are folded relatively to the bottom 6, the tongues 13 of the flaps 11 extend through the slots 9, of the flaps 8 and are interposed between these latter and the flaps 10. See dotted lines Figure 1, and the full line showing in Figures 2 and 5. The interengaging of the flaps 8 and 11 provide a lock for securing the walls 4 and 7 in upstanding position relative to the bottom 6.

The top wall of the body portion of the container is indicated at 15 and which is of slightly less length and width than the rear wall 7, from which the top wall extends. The top wall 15 is provided with a lengthwise extending flap 16 of a width greater than half the width of the front wall 4. The closure for the body portion of the container is formed by the top wall 15 and when the latter is in closure position, the flap 16 extends between the roll 1 and the front wall 4. The flap 16 and front wall 4, form a guide passage 17 for the web 2 when the latter is unwound from the roll and withdrawn from the body portion of the container. The web 2 passes over the inner or free longitudinal edge of the flap 16 and into the passage 17. The free longitudinal edge 18 of the front wall 4, can be employed as a severing means for the paper web if desired. The web is visible through the opening 5 and the latter permits of the finger or thumb engaging with the web for the purpose of shifting it to a position beyond the edge 18, so it can be readily grasped for withdrawal purposes, or in other words, providing for the pushing outwardly of the web with the flap 16 acting as an abutment during such operation.

The top wall is permanently maintained in closure position, and any suitable means can be employed for such purpose, preferably the means now referred to. Extending lengthwise of and secured to the outer face of top wall 17 and further extending onto and secured to the flaps 8 and 11, at each end of the walls 4 and 6, is a sealing strip 19, for permanently maintaining the top wall 15 in closure position and for connecting the flaps 8 and 11 permanently together. The strip 19 is of less width than the width of the top wall 17 and does not extend onto the flap 16 and rear wall 7.

The front, bottom, back and end walls of the container provide an open sided body portion. The top wall forms a cover or closure for the open side of the body portion. The cover is hinged to the back wall and is formed with the free flap 16. The sealing strip secures the cover in closed position and maintains the flap 16 in opposed relation with respect to the inner face of the front of the body portion.

When the container is employed for dispensing purposes it is reversed so that the sealing strip 19 will be at the bottom thereof. When shipped the sealing strip is at the top of the container. When reversed the free edge of the front wall 4 is arranged at bottom thereof, as the discharge of the web can be more satisfactorily handled when the container is reversed.

It is thought that the many advantages of a combined web roll shipping and web dispensing container, in accordance with this invention can be readily understood, and although the preferred embodiment of the invention is as illustrated and described, yet it is to be understood that changes in the details of construction can be had which will fall within the scope of the invention as claimed.

What I claim is:—

1. A combined web roll shipping and dispensing container comprising a one-piece polygonal-shaped body portion consisting of a bottom provided with a pair of vertically disposed end flaps, a centrally apertured front wall hinged to said bottom and provided with a pair of horizontally disposed rearwardly extending end flaps, a top wall formed with a lengthwise disposed, vertically extending flap of less height than, free of, opposing and spaced from the inner face of the front wall to provide in connection therewith a passage opening at the free longitudinal edge of the front wall, said top wall free of direct connection with and of less length than said front wall, a rear wall hinged to said bottom and top walls and formed with a pair of horizontally disposed forwardly extending end flaps each of the same width as the rear wall and formed with a horizontally disposed inclined slot, the flaps of said bottom, front and rear walls opposing each other to provide a pair of end walls, and the flaps of said front wall having means associated with said slots for connecting the front and rear walls together.

2. A combined web roll shipping and dispensing container comprising a one-piece polygonal-shaped body portion consisting of a bottom provided with a pair of vertically disposed end flaps, a centrally aper-

tured front wall hinged to said bottom and provided with a pair of horizontally disposed rearwardly extending end flaps, a top wall formed with a lengthwise disposed, vertically extending flap of less height than, free of, opposing and spaced from the inner face of the front wall to provide in connection therewith a passage opening at the free longitudinal edge of the front wall, said top wall free of direct connection with and of less length than said front wall, a rear wall hinged to said bottom and top walls and formed with a pair of horizontally disposed forwardly extending end flaps each of the same width as the rear wall and formed with a horizontally disposed inclined slot, the flaps of said bottom, front and rear walls opposing each other to provide a pair of end walls, the flaps of said front wall having means associated with said slots for connecting the front and rear walls together, and sealing means connected to the flaps of the front and rear walls and further connected to the outer face of said bottom.

3. A combined web roll shipping and dispensing package comprising an open sided body portion and a roll of web mounted therein, the outer end terminal portion of the web extended from the roll to lie flat against the inner face of the front of said body portion, the back of said body portion having a cover hinged thereto, said cover having a free flap inserted between the roll and the rear face of the said extended portion of the web, and means for securing said cover in closed position.

In testimony whereof, I affix my signature hereto.

WILLIAM K. GERBRICK.