W. T. LAZAR.

DISPENSING CARTON.

APPLICATION FILED MAY 22, 1915.

1,228,571.

Patented June 5, 1917

2 SHEETS—SHEET 1.

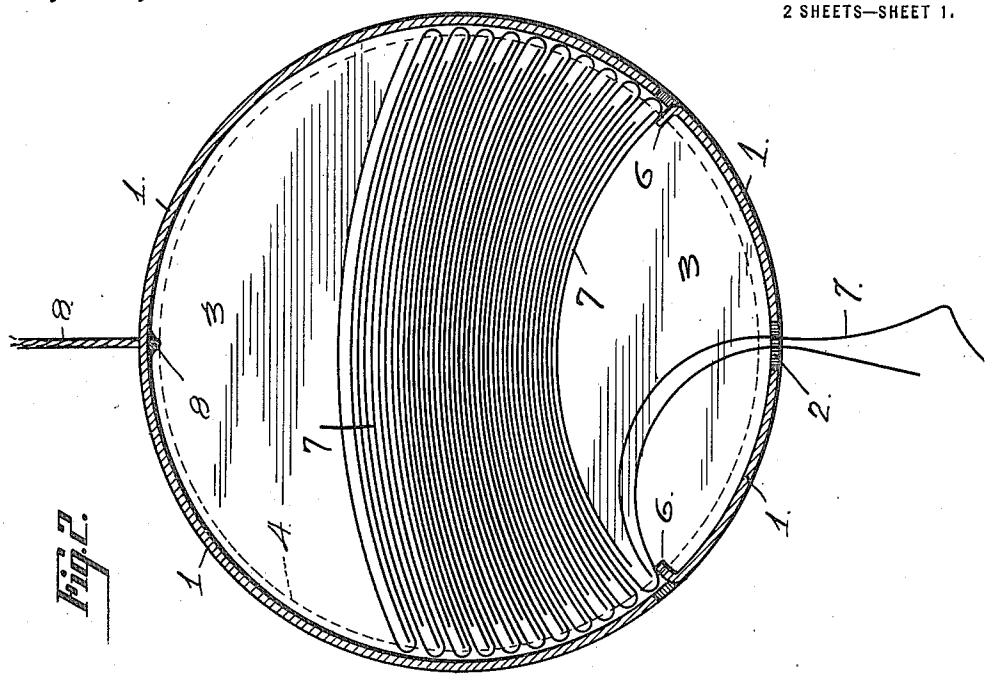


Fig. 2.

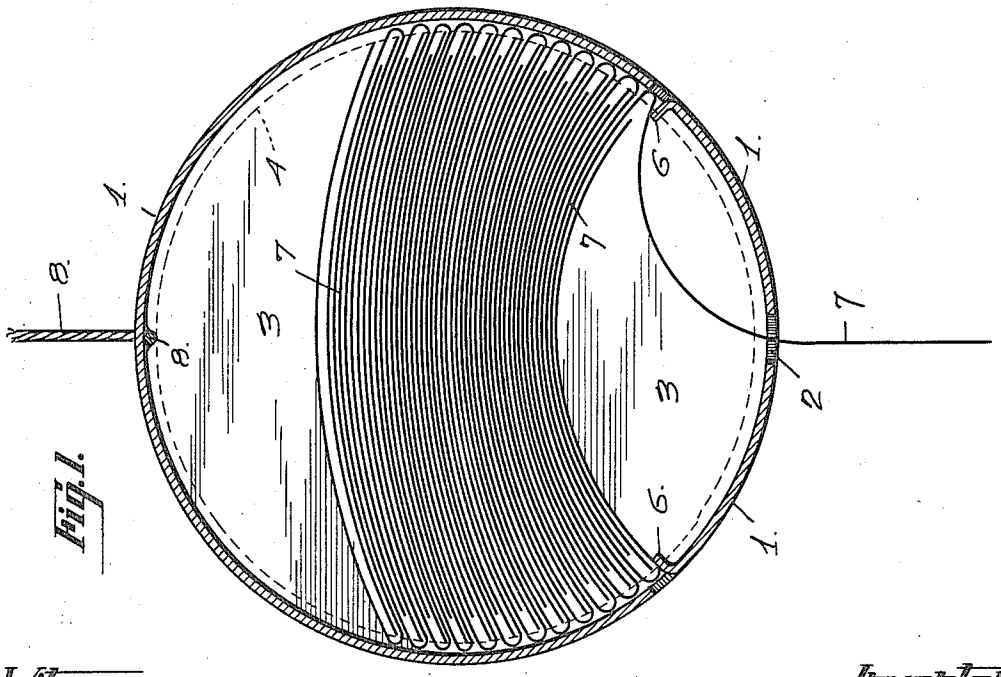


Fig. 1.

Witnesses

Karl F. Schultz

George Kromrey.

Inventor

William T. Lazar

By Arthur L. Slee.

His Atty

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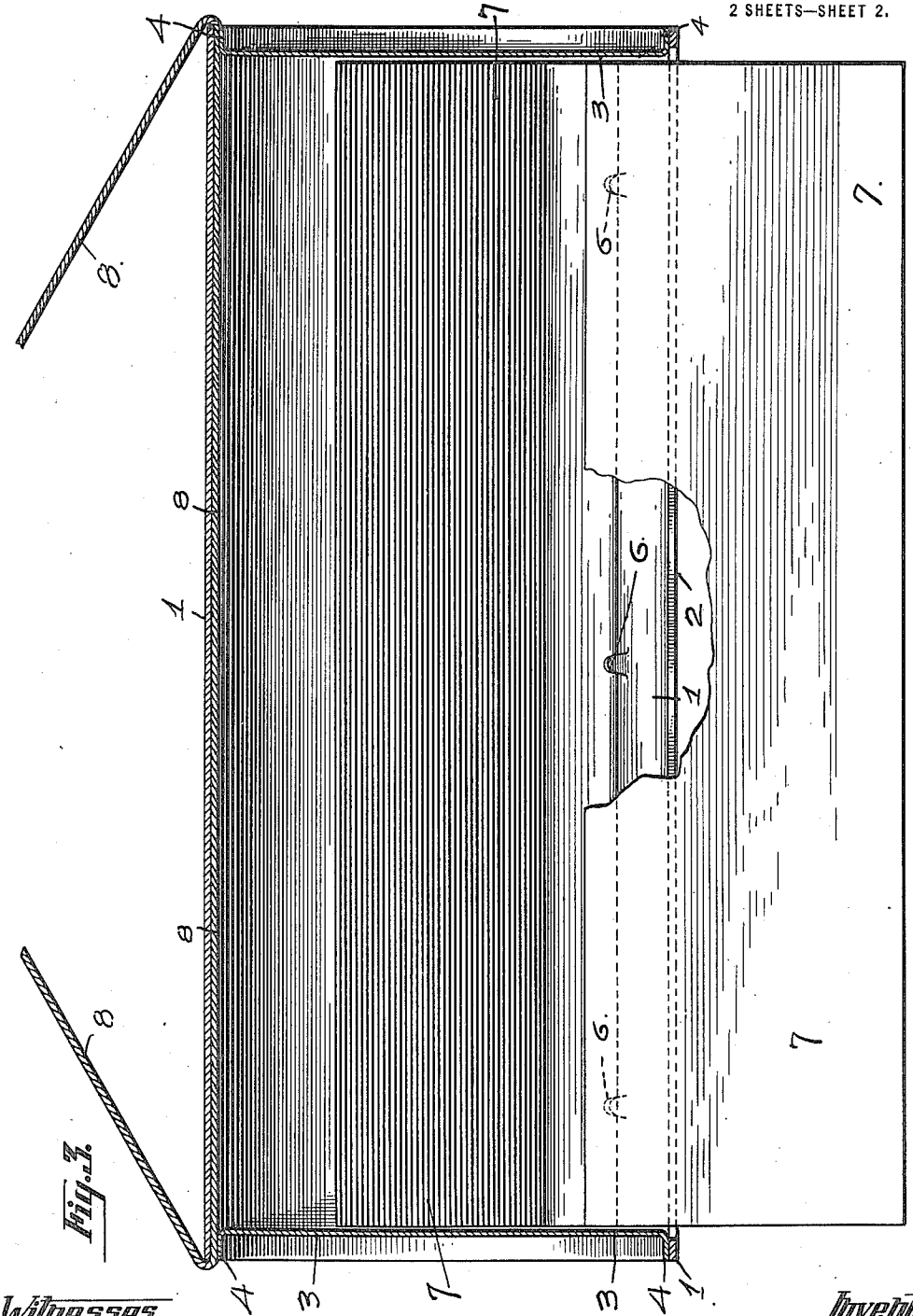


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM T. LAZAR, OF SAN FRANCISCO, CALIFORNIA.

DISPENSING-CARTON.

1,228,571. Specification of Letters Patent. Patented June 5, 1917.

Application filed May 22, 1915. Serial No. 29,910.

To all whom it may concern:

Be it known that I, WILLIAM T. LAZAR, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented a new and useful Dispensing-Carton, of which the following is a specification.

My invention relates to dispensing cartons for interleaved paper towels and the like wherein a pile of towels is supported and retained in an arched position within the carton and above a longitudinal slot in the lower part thereof whereby a space is maintained between the bottom of the pile of towels and the bottom of the carton; and the objects of my invention are—

First, to provide a dispensing carton for interleaved paper towels and the like.

Second, to provide an improved dispensing carton from which the interleaved paper towels may be easily and readily withdrawn.

Third, to provide a carton of the character described that shall be of simple and cheap construction and adapted to serve as a shipping case as well as a dispensing carton for interleaved paper towels and the like.

Fourth, to provide a dispensing carton having means adapted to prevent the edges of a towel being withdrawn from engaging the ends of the slot in the carton through which the said towels are dispensed.

Fifth, to provide an improved dispensing carton for interleaved paper towels and the like wherein a pile of interleaved paper towels are supported and retained in an arched position above a slot so as to leave a space between the bottom of the pile and the carton, and

Sixth, to provide means whereby the carton may be easily and readily suspended in a horizontal position.

I accomplish these several features by means of the preferred form of the invention disclosed in the drawings forming a part of the present specification wherein like characters of reference are used to designate similar parts throughout the said specification and drawings, and in which—

Figure 1 is a transverse sectional view of a carton disclosing the manner in which a pile of interleaved paper towels is supported and retained in an arched position above a slot within the carton, with one free edge of the lowermost towel extending through the slot.

Fig. 2 is a view similar to Fig. 1 but disclosing the manner in which the withdrawal of one towel will extend the edge of the next towel above it through the slot.

Fig. 3 is a longitudinal vertical sectional view disclosing the manner in which the inverted cup-shaped ends prevent the engagement of the towel being withdrawn with the ends of the slot.

Referring to the drawings the numeral 1 is used to designate a hollow cylindrical carton composed of stiff paper, cardboard or a similar cheap material having sufficient rigidity to retain a cylindrical shape under normal conditions. A longitudinal slot 2 extends nearly the entire length of the carton 1 and is longer than the width of a paper towel to be drawn therethrough.

Inverted cup-shaped ends 3, having annular flanges 4, are inserted within the ends of the carton 1 in such a manner that the smooth sides thereof will extend within the ends of the slot 2. The annular flanges 4 of the ends 3 may be glued or otherwise secured within the ends of the carton 1 and thereby reinforce and assist in the retention of the cylindrical form thereof.

Upset lugs 6 are formed integral with the carton 1 and are placed at regular intervals throughout the length thereof an equal distance on each side of the slot 2 and in the lower portion of the said carton 1. The lugs 6 are adapted to engage and support the sides of a pile of interleaved paper towels 7 or the like, and to retain the said pile in an arched position, as disclosed in Figs. 1 and 2 of the drawings, the purpose of which will hereinafter be more fully described.

A cord loop 8 is run through the carton 1 and held in the uppermost portion thereof by means of the flanges 4 of the ends 3, thereby forming a means whereby the carton 1 may be easily and readily supported or suspended in a horizontal position with the slot 2 therein lowermost.

The lugs 6 engage the pile of interleaved paper towels 7 at the sides thereof, and as the distance between the said lugs 6, and the greatest internal diameter of the carton 1, is less than the full width of the interleaved pile of towels 7 it is obvious that the said pile of towels will be supported and retained in an arched, or self supporting, position, by the said lugs 6 and the sides of the carton 1. A further feature of the arched position is that a greater space will be maintained be-

tween the bottom of the pile and the bottom of the carton 1, so that when a towel 7 is withdrawn through the slot 2 it will have sufficient space in which to easily and readily unfold, without friction, from the bottom of the pile instead of being pulled from between a support, which engages almost the entire lower surface of the pile, and the said pile as in the present state of the art.

This feature is an important one for the reason that when such towels are needed the hands of the operator are very wet, and such moisture is easily and readily absorbed by the towel thereby reducing it, on account of its flimsy structure, to a pulp which will easily disintegrate and separate that portion of the towel being held if too much friction is occasioned when the said towel is being withdrawn.

In the present state of the art the slot, through which the towels are withdrawn, while longer than the width of the towel is generally shorter than the interior length of the container thus presenting edges which sometime engage and tear the edges of the towel.

In the present invention, however, it is obvious that as the smooth inner surfaces of the cup-shaped ends 3 extend within the ends of the slot 2 that the edges of a towel 7 being withdrawn will be prevented from engaging or coming into contact with the ends of the slot, as disclosed in Fig. 3 of the drawings.

It is obvious from the foregoing that I have provided an improved dispensing carton for interleaved paper towels and the like wherein the said pile of towels is supported and retained in an arched, or substantially self supporting position, above a slot therein so that the said towels may not only have sufficient space to unfold from the pile but may also be withdrawn with the least possible friction.

It is also evident that I have provided improved means adapted to prevent the edges of a towel being withdrawn from engaging the ends of the slot, thereby further reducing or eliminating friction.

The details of construction are so susceptible to variation that I do not wish to confine myself to the precise construction shown herein but rather to avail myself of any modification that may fall properly within the scope of my invention.

Having thus described my invention what I claim as new and desire to secure by Letters Patent is—

1. The combination with a paper towel dispensing carton having a longitudinal slot in the lower portion thereof, of a pile of interleaved towels having a greater width than the carton and means to hold said towels in an arched position above the bottom of the carton.

2. The combination with a horizontal cylindrical paper towel dispensing carton having a longitudinal slot in the lower portion thereof, of a pile of interleaved towels having a greater width than the greatest diameter of the carton and means to hold said towels in an arched position above the bottom of the carton.

3. A paper towel dispensing carton having a longitudinal slot in the bottom thereof and adapted to contain a pile of interleaved towels, and suitable inverted cup shaped ends inserted within the ends of the carton and extending within the ends of the slot whereby a towel being withdrawn is prevented from engaging the ends of the said slot.

In witness whereof I hereunto set my signature.

WILLIAM T. LAZAR.