

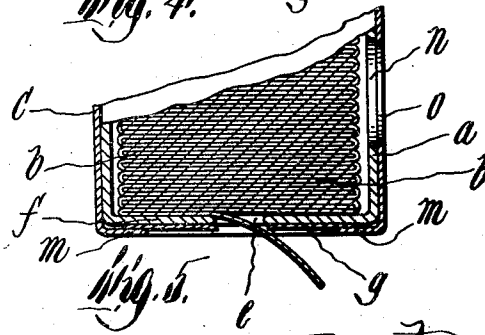
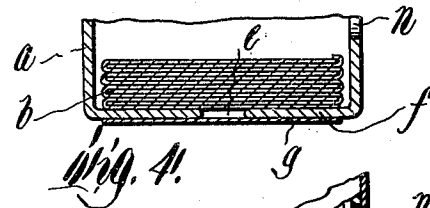
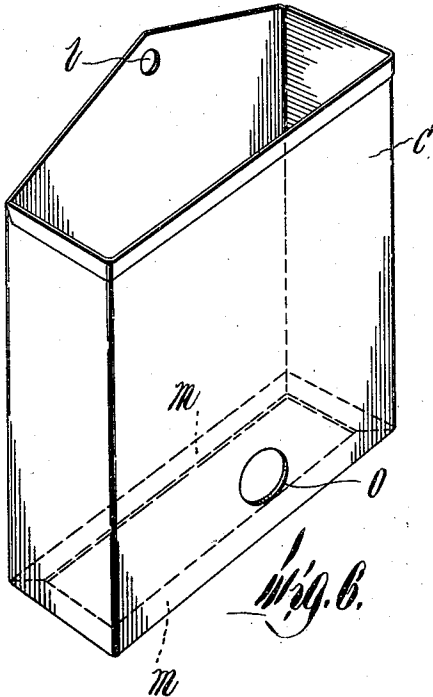
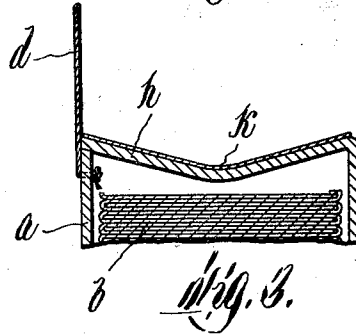
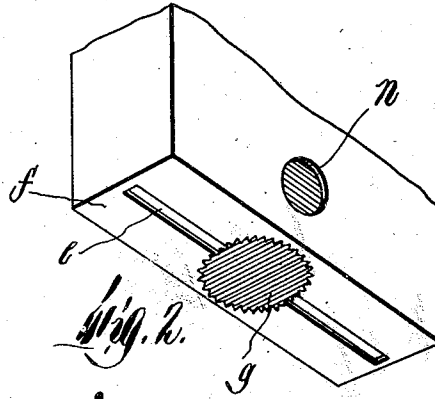
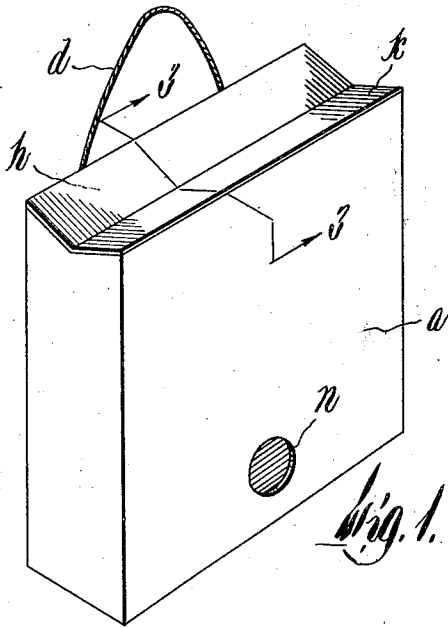
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COMBINED PACKAGE AND HOLDER

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UNITED STATES PATENT OFFICE

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COMBINED PACKAGE AND HOLDER

Application filed April 25, 1930. Serial No. 447,231.

The invention relates to manufactures in the nature of packages containing folded and interleaved sheets of paper, for instance, specifically, toilet paper or paper towels and holders therefor. One of its objects is to provide a convenient package for such sheets comprising a carton containing a stack of sheets and having a slot in the bottom through which the sheets may be drawn one at a time as needed; which may be sold as such, and used by the purchaser without transferring the contents to another holder, or doing anything more than to hang the carton on a hook or the like and start the bottom sheet of the stack through the dispensing slot. Another object is to provide the carton or wrapper of the package with a concave fireproof top on which a smoker may lay a lighted cigar, cigarette, etc., while withdrawing and manipulating the sheets. Another object is to furnish a simple seal for closing the emission slot prior to withdrawal of the first sheet, which can be easily broken and the provision of which involves a minimum of expense to the manufacturer. Still another object is to provide in combination with such a package a holder in which the package may be placed bodily and in the bottom of which is an opening registering with the slot in the package carton for withdrawal of the sheets, and to provide in corresponding walls of the holder and package registering sight openings through which lowermost sheets in the package may be seen, whereby notice of approaching need of replenishing the supply is given before complete exhaustion of the sheets occurs.

The invention consists in a package and a combination of such package and its holder, having means for putting the foregoing, and related, objects into effect, one embodiment of which is shown in the drawings furnished herewith and described in the following specification.

In the drawings,—

Fig. 1 is a perspective view of a complete package embodying the invention;

Fig. 2 is a perspective view of the bottom part of the package, as seen from beneath, showing the seal element of the invention;

Figs. 3 and 4 are fragmentary sectional views of the top and bottom parts, respectively, of the package taken on line 3—3 of Fig. 1;

Fig. 5 is a sectional view similar to Fig. 4 of the combined package and container or holder;

Fig. 6 is a perspective view of the container alone.

Like reference characters designate the same parts wherever they occur in all the figures.

The package, which by itself constitutes one phase of the invention, consists of a carton *a* containing a stack of folded and interleaved sheets of toilet paper or paper towels *b*; or, in another mode of expression, such a stack of sheets surrounded by an enveloping wrapper. The sheets are folded and stacked in a manner well known and commonly practised in connection with sheets of toilet paper, paper towels, and the like manufactures.

The carton or wrapper *a* may be made of any suitable material in any suitable and desired mode of construction. It may serve as the sole container of the folded sheets, from which the sheets may be withdrawn as needed for use, without the cooperation of any external holder; and when constructed for this purpose is preferably made of cardboard having substantial stiffness, particularly such stiffness as will enable the bottom to support the stack and enable the bottom sheet to be pulled out, until the entire supply is exhausted, without injuring or objectionably deforming the bottom. But when used in conjunction with a holder *c*, such as that shown in Figs. 5 and 6, which may be made of sheet metal or other comparably stiff and durable material, the wrapper *a* need be only strong enough to confine and protect the stack of sheets in shipment and storage and under the handling to which it may be subjected up to the time when placed in the container for ultimate use. But the carton, strong in itself to serve as the dispensing holder, may be placed in the outer holder *c*.

The carton or wrapper may be provided with suspending means, such as a loop *d*, string, ribbon, wire, a perforated tab of card-

board, metal, etc., or other suitable hanger, secured in any desired way to the carton and adapted to be placed over a hook, nail or the like, projecting from a wall at the place of use.

Whatever may be the construction of the carton or wrapper otherwise, in any case it is provided with an emission slot *e* in its bottom wall *l*, through which the sheets are withdrawn. When the package is first made up, all parts of all the sheets are inside it, and the slot is covered to a greater or less extent and closed by a seal *g*. The seal here shown is a paper wafer gummed on one side and pasted to the outer side of the bottom wall across the slot. Such a seal is inexpensive in the extreme, but effectively serves the purpose of preventing removal of sheets from the package. It may be extended to cover the entire slot, if desired, in order to prevent entrance of foreign matter.

The package, or rather the carton or wrapper forming the envelope member of the package, is formed with a concave top *h*, which is preferably made in the form of a shallow *V*, for manufacturing convenience and economy, but may be a continuous curve. This part of the package serves as a receptacle for temporarily receiving and holding a lighted cigar, or a cigarette or pipe. Provided the package is adapted to serve this purpose, the exact form of that portion of it which does so is of minor importance and may be varied from the illustration given in these drawings, without departure from the invention claimed.

I will call this part of the package the cigar holder, for convenience of description. It is fireproof, being made so either by suitable treatment of the cardboard material in those parts which form the cigar holder, or by overlay of inherently fireproof material. Thus, if the carton is made of ordinary untreated box board, an overlay *k* of sheet metal or metal foil, as aluminum, tin or any other desired metal may be placed on the concave top wall; or this wall may be covered with a thick coat of metallic paint, sufficiently impervious to heat to protect the cardboard underneath from burning or charring when a glowing cigar is laid on it. Or the said top wall *h* may be made entirely of fireproof material, such as asbestos paper. Or, again, the carton, or its top wall only, may be treated with any one of a number of fireproofing agents which are known to be suitable for the purpose, such as silicate of soda. As a practical matter, of course, the fireproofing agent must be one which will not detract from the desirable appearance of the package or be made sticky by the heat of the lighted cigar. The cigar holder element of the package affords a conveniently accessible receptacle on which a smoker may lay his cigar or whatever he may have been smoking,

in order to leave his hands free for manipulation of the papers, in full assurance that the cigar will not roll off and fall to the floor.

I have shown the carton in its made up or finished form, the condition in which it exists when containing a stack of sheets, but have not attempted to show details of construction; for it may be made in a variety of ways known to manufacturers of boxes and cartons, without the necessity of instruction by this specification. The outer container *c*, in the present illustration, is made as a rectangular box of sheet metal open at the top and large enough internally to receive the entire package shown in Fig. 1. Its rear wall is provided with a hole *l* for hanging on a hook or the like projecting from the wall. Its bottom is formed of flanges *m* turned inward from its four walls, overlapped at the corners and soldered at the overlaps, leaving the central part open for emission of the sheets. A bottom of other character may be made; however, provided only that a slot or equivalent opening is provided to register with the slot *e* of the contained package for passage of the sheets being withdrawn.

The carton or wrapper *a* has a sight opening *n* in its front wall, and the holder *c* has a similar opening *o* in its corresponding wall located where it registers with the opening *n* when the package is placed in the holder, through which the lower sheets of the contained stack are exposed to view. These openings are located near enough to the bottom of the package and are large enough to show plainly when the supply is nearly enough exhausted to need replenishment.

The outer receptacle and the contained package are so related in height that the concave top of the package is accessible for reception of the lighted cigar, etc., when the package is fully inserted within the holder. This characteristic is present if the package is of the same length as the front wall of the holder, or somewhat longer or shorter. I preferably make the front and rear walls of the package carton of the same height as the front and side walls of the holder. The concavity of the top of the package then lies somewhat below the rims of the side walls of the holder, whereby the latter cross the ends of the cigar holding concavity or groove.

It will be understood of course that the terms "top", "bottom", "sides", and words of similar import used in this specification and claims have reference to the relationship of the several parts of the package, and of the combined package and outer holder, when in the position of use. The hanger *d* of the package is so placed with respect to the other parts of the package that, when suspended from a support it automatically causes the package to assume the position wherein the said terms as here used are applicable, and the parts of the device are

adapted to serve their several functions. The perforated extension of the back wall of the holder *c*, or such equivalent suspension means therefor as may be provided, also has the same function and effect with respect to the holder and the combination of holder and package.

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

1. The combination of a holder open at the upper end with a package occupying said holder and having a concave fireproof top.

2. The combination of a holder open at the upper end with a package comprising a carton and a stack of paper sheets therein, occupying said holder; said carton having a fireproof top wall of concave formation accessible for placement thereon of a lighted cigar or the like.

3. The combination of a holder open at the upper end with a package comprising a carton and a stack of paper sheets therein, occupying said holder; said carton having a fireproof top wall of concave formation accessible for placement thereon of a lighted cigar or the like and both carton and holder having registered openings adjacent to the bottom through which the lowermost sheets of the stack are exposed to view.

4. The combination of a holder and a separably contained package therein, said package comprising a stack of paper sheets and an enveloping wrapper therefor; the holder and wrapper having registering bottom openings for withdrawal of sheets from the package; the holder being open at the top for reception of the separable package; and the package wrapper having a concave fireproof top accessibly positioned with respect to the open top of the holder for reception of a lighted cigar or the like.

5. A package of paper sheets comprising a carton having a fireproof top wall of concave formation adapted to receive a lighted cigar or the like, and a stack of paper sheets contained therein.

6. A package comprising a stack of folded paper sheets and a wrapper enveloping said stack and provided with a slotted bottom through which the sheets may be withdrawn and a concave fireproof top.

7. A package comprising a stack of paper sheets and a carton having walls completely enveloping said stack; the wall at one end of the carton being slotted to permit withdrawal of the sheets, and the wall at the other end being of concave formation and fireproof characteristic, combined with suspension means adapted to hold the package with the slotted wall at the bottom and the concave wall at the top.

8. A package comprising a stack of paper sheets and an enveloping wrapper having a concave fireproof wall at the part which overlies the stack of sheets and a slot in the

wall which underlies such stack, and a frangible seal adherently attached to the outside of said underlying wall across the slot therein.

9. The combination of a holder open at its upper end, with a package comprising a stack of paper sheets and an enveloping wrapper removably occupying said holder; the holder and package having registering openings in their bottoms for emission of sheets from the contained stack, and the package having a concave fireproof top and a frangible seal attached to the outside of its bottom across the opening therein.

10. A self sustaining carton for holding and dispensing a stack of paper sheets, said carton having in its bottom part a slot for emission of the contained sheets and its top wall being of concave form and fireproof character.

In testimony whereof I have affixed my signature.

ROGER W. BABSON.