

C. P. WINTER & D. A. ROSENTHAL.

PAPER TOWEL HOLDER.

APPLICATION FILED DEC. 20, 1913.

1,122,674.

Patented Dec. 29, 1914.

2 SHEETS—SHEET 1.

Fig. 1.

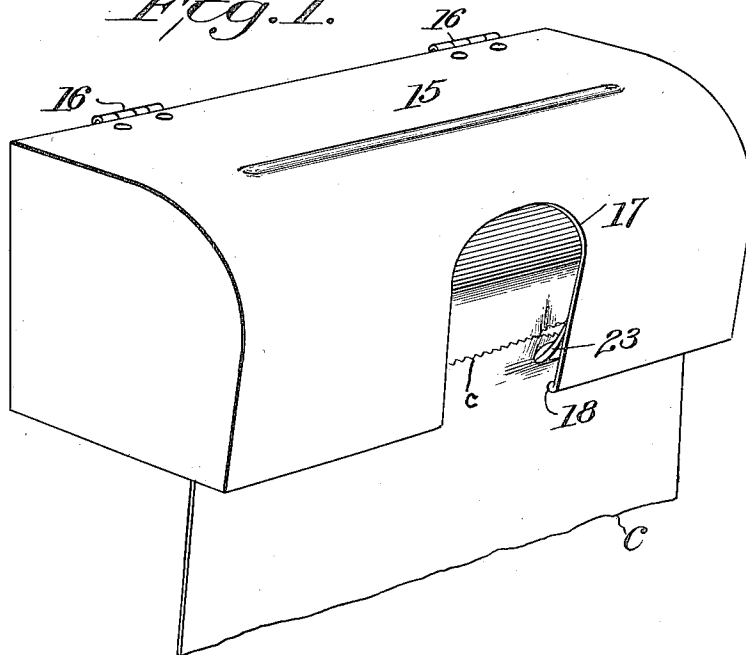
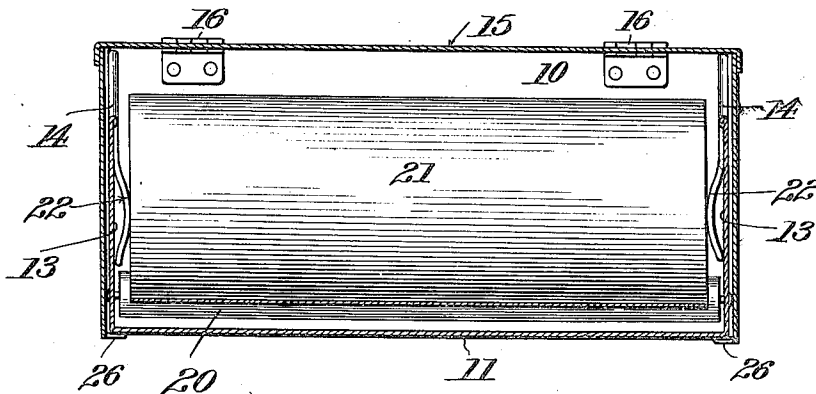


Fig. 2.

Witnesses

A. J. Riedel

Inventors

Courtney P. Winter
Dunbar A. Rosenthal.

By

L. B. Rosenthal

Attorney

C. P. WINTER & D. A. ROSENTHAL.

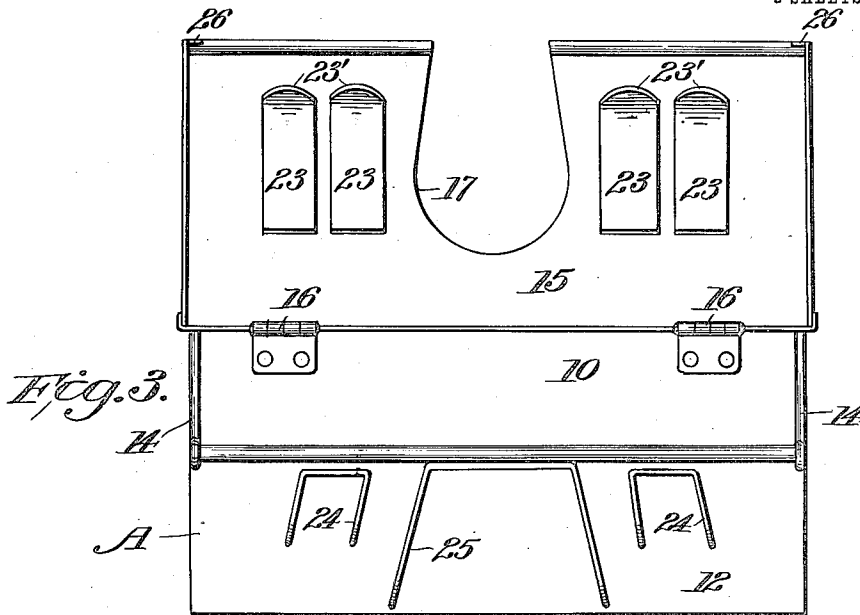
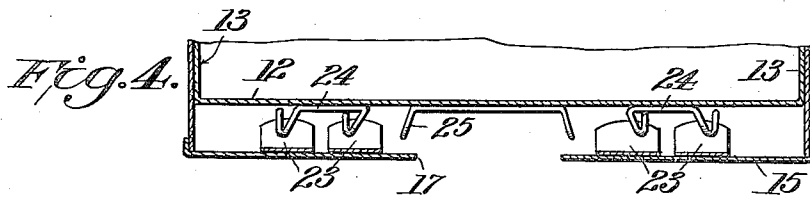
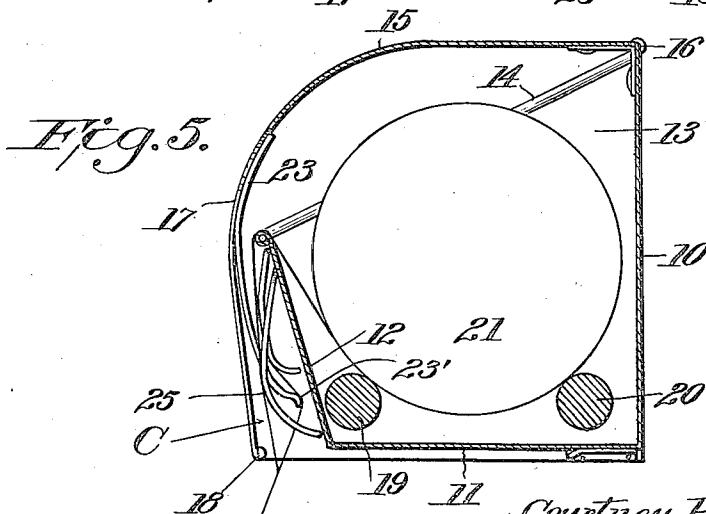
PAPER TOWEL HOLDER.

APPLICATION FILED DEC. 20, 1913.

1,122,674.

Patented Dec. 29, 1914.

2 SHEETS-SHEET 2.



Witnesses

C. M. Walker
A. I. Riedel

Inventors,

Courtney P. Winter
Dunbar A. Rosenthal.

By *L. H. Swann*

Attorney

UNITED STATES PATENT OFFICE.

COURTNEY P. WINTER AND DUNBAR A. ROSENTHAL, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNORS TO AARON PETERS' LABORATORIES, INC., OF WASHINGTON, DISTRICT OF COLUMBIA.

PAPER-TOWEL HOLDER.

1,122,674.

Specification of Letters Patent.

Patented Dec. 29, 1914.

Application filed December 20, 1913. Serial No. 807,988.

To all whom it may concern:

Be it known that we, COURTNEY P. WINTER and DUNBAR A. ROSENTHAL, citizens of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Paper-Towel Holders, of which the following is a specification.

This invention relates to serving apparatus.

One object is to provide a sanitary serving apparatus particularly designed to dispense single towel lengths with despatch and economy.

Another object is to provide a holder preferably in the form of a case for the reception of a roll of paper or other suitable material with the case provided with an opening through which the material may be drawn from the roll, the paper or other material being preferably perforated transversely at intervals to divide the material into sheets of definite length with means arranged to engage the perforations to facilitate separation of the sheets one at a time along the lines of said perforations as the material is drawn through said opening.

Another object is to provide a serving apparatus to dispense paper or other towels embodying among other characteristics means to support the towels, means to facilitate an easy and even withdrawal of the towel material from the holder, and means to separate the towel material into sheets of definite length.

With the above and other objects in view the present invention consists in the combination and arrangement of parts hereinafter more fully described, illustrated in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes may be made in the form, proportion, size and minor details without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings: Figure 1 is a perspective view of the invention. Fig. 2 is a longitudinal vertical sectional view. Fig. 3 is a front view with the cover thrown back. Fig. 4 is a fragmentary horizontal section. Fig. 5 is a transverse vertical section.

Referring now more particularly to the accompanying drawings, in which there is illustrated one embodiment of the invention, A indicates a case constructed of any suit-

able material, preferably sheet metal, and may consist of a rear wall 10, bottom 11, front wall 12 and end walls 13. The front wall is preferably extended upward and outward and has its upper edge preferably beaded, as at 14.

The case is preferably provided with a hood or cover 15, which has its rear edge preferably hinged at 16 to the rear wall 10 of the case. The hood or cover may be composed of sheet metal or other suitable material and it is formed so that when in operative position its front portion overhangs the front wall 12 of the body A in spaced relation to said wall 12 forming an opening C. The front portion of the cover is preferably provided with an opening 17 and has its forward edge on opposite sides of said opening 17 beaded, as at 18.

Journaled in the case are spaced rollers 19 and 20 designed to support a roll of paper or other rolled toweling material 21. This rolled material is preferably perforated transversely at intervals, as at c, so as to divide the rolled strip of material into sheets of definite length. The rolled toweling material rests freely on the said rollers 19 and 20 between the yieldable or other arms 22 and is adapted to be unwound by pulling the strip material in single or plural ply over the beaded edge 14 of the front wall 12 of the case and down through the opening C formed between the said wall 12 and the cover.

In order to facilitate the separation of the towels in definite lengths we employ means to engage the paper and to separate the same along the lines of transverse perforations. One way in which this separation may be effected is to employ yieldable or other fingers 23 whose upper ends are preferably permanently connected to the inner face of the front of the cover and whose lower ends are preferably free and directed inwardly as at 23' and terminate in the space or opening C so as to be engaged by the toweling material as it is drawn by hand from the roll through said opening.

The toweling material is accessible through the aforesaid opening 17 where the operator grasps the material. By a downward pull on the material the lines of perforations are brought successively into engagement with the said fingers 23 which latter cause the towel lengths to be separated.

To facilitate the disconnection of each

towel from the web of paper suitable means may be provided to open up certain of the perforations of each line thereof prior to the line of perforations reaching the free ends of said fingers. To this end we provide another set of fingers or the like 24. These fingers 24 are preferably secured to the front wall 12 of the case and, by virtue of their lower ends being free, they are preferably yieldable. The web of material is drawn over these fingers 24 and they open up certain of the perforations and almost immediately following this opening up process by the fingers 24 the free ends 23' of the fingers 23 on the other side of the paper hook into or pass through the opened up perforations and thereby facilitate the deliverance of the towels of definite length. Thus it will be seen that two sets of fingers may be employed, the sets of fingers being arranged on opposite sides of the web. In this connection, however, we do not wish to limit ourselves to the specific means illustrated for effecting the separation of the web into towels of definite length any further than necessary under the scope of the appended claims.

To prevent the toweling material from clinging too closely to the wall 12 adjacent the opening 17, we provide a rest 25 at the opening 17 securing the same in any suitable manner preferably to the front wall 12 of the case. By virtue of this rest or other material holding element 25 the operator may easily grasp the toweling material on both sides thereof and thereby conveniently pull upon the web to obtain a towel.

The cover may be locked to the body portion of the case in any suitable manner. One means is to provide the cover with lugs 26 adapted to spring under the bottom of the body. Any suitable fastening means may be employed.

What is claimed is:

1. The combination of a case adapted to receive a roll of toweling material which is perforated transversely at intervals to divide the same into sheets of definite length, said casing provided with an opening through which said toweling material may be drawn in web form, means arranged to enter the lines of perforations as the web is drawn through said opening to open up certain of the perforations of each line, and means to engage in the opened up perforations to effect separation of the sheets one at a time along the lines of perforations as the material is drawn through said opening.

2. The combination of a case adapted to receive a roll of toweling material which is perforated transversely at intervals to divide the same into sheets of definite length,

said casing provided with an opening through which said toweling material may be drawn in web form, means arranged to enter the lines of perforations as the web is drawn through said opening to open up certain of the perforations of each line, means to engage in the opened up perforations to effect separation of the sheets one at a time along the lines of perforations as the material is drawn through said opening, and means to hold the material in spaced relation to the case so that it may be readily grasped to pull upon the material.

3. The combination of a case adapted to receive a roll of toweling material which is perforated transversely at intervals to divide the same into sheets of definite length, said casing provided with an opening through which said toweling material may be drawn in web form, spaced sets of fingers to engage in the line of perforations to disconnect one sheet at a time from the web as the web is drawn from the case, and means to hold the material spaced from the case so that it may be readily grasped to pull upon the same.

4. The combination of a case including a body and a cover, the latter having its front overhanging the front of the body to form an opening, spaced rollers mounted adjacent the bottom of the case, said casing adapted to contain a roll of toweling material disposed on said rollers adapted to be drawn in web form through said opening and perforated at intervals to divide the material into sheets of definite length, and means in said opening to operate on the perforations to disconnect one sheet at a time from the web as it is drawn through said opening.

5. The combination of a case including a body and a cover, the latter having its front overhanging the front of the body to form an opening, spaced rollers mounted adjacent the bottom of the case, said casing adapted to contain a roll of toweling material disposed on said rollers adapted to be drawn in web form through said opening and perforated at intervals to divide the material into sheets of definite length, and sets of fingers arranged between the overhanging front of the cover and the body to engage the perforations and effect disconnection of one sheet at a time as the web is drawn through said opening.

In testimony whereof we affix our signatures in presence of two witnesses.

COURTNEY P. WINTER.
DUNBAR A. ROSENTHAL.

Witnesses:

JOHN H. SIGGERS,
GEO. C. SHOEMAKER.