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2,293,785

TOILET PAPER HOLDER

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Fig. 1.

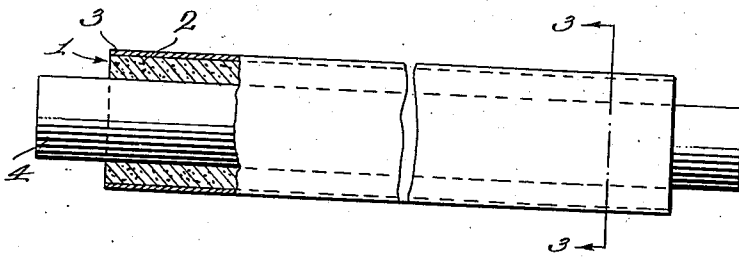


Fig. 3.

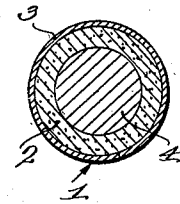


Fig. 2.

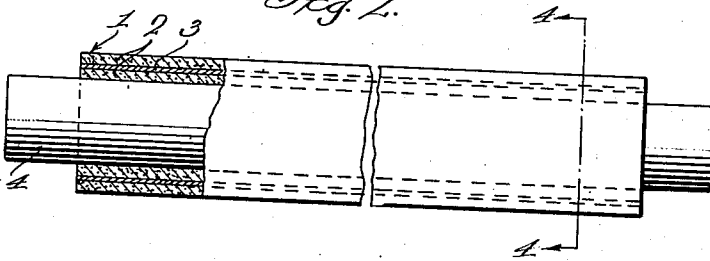
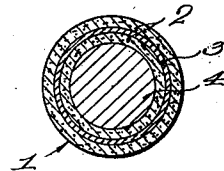


Fig. 4.



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TOILET PAPER HOLDER

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2 Claims. (Cl. 299—24)

This invention relates to improvements in toilet paper holder, one of the aims which is sought to be achieved being to derive a double advantage from the holder, first from its function as a support for a quantity of toilet paper, second, from its function as a deodorant. With this premise in mind the specific objects which follow will readily be understood.

First, to provide a deodorant toilet paper holder, the double function of which is to more or less directly hold a quantity of toilet paper and at the same time supply a deodorizing medium in an inconspicuous manner.

Second, to provide an accessory for bath rooms and the like, according to which a volume of deodorizing material is utilized as the primary support of a roll of toilet paper.

Other objects and advantages will appear in the following specification, reference being had to the accompanying drawing, in which:

Figure 1 is a fragmental view of the device, partially in side elevation and partially in section.

Figure 2 is a side view similar to Fig. 1 illustrating a modification.

Figure 3 is a cross section taken on the line 3—3 of Fig. 1.

Figure 4 is a cross section taken on the line 4—4 of Fig. 2.

In each of Figs. 1 to 4 the holder device, commonly designated 1, comprises a mandrel 2 of hardened deodorizing material, which is intimately connected with an inert reinforcement 3. The foregoing terms are chosen advisedly in order to supply a nomenclature common to the forms illustrated in Figs. 1 to 4.

Taking Figures 1 and 2 first it is observed that the holder 1 appears in more or less common spindle form. The mandrel 2 is a hollow cylinder of deodorizing material which is cast, molded or otherwise mounted within the reinforcement 3 which in this instance consists of a cardboard tube. Said tube is full length of the mandrel 2. A spindle 4 is placed within the mandrel and the entire unit revolves around the spindle 4. In actual practice a roll of toilet paper is mounted on the mandrel 2 and when the roll is revolved there will be some relative motion between the paper roll and the mandrel 2 so that particles of the latter are given off and disseminated in the atmosphere for the deodorizing purpose announced herein. This func-

tion occurs in addition to the normal tendency of the mandrel 2 to evaporate gradually and thus automatically supply the deodorant.

Figure 1 discloses a reinforcement 3 which, although on the outside of the deodorizing mandrel 2, nevertheless is regarded as its core. This reinforcement consists of a cardboard tube such as commonly used for the core of a roll of toilet paper. The mandrel 2 is hollow and is adapted to be emplaced on a wooden or similar spindle 4a. The friction between the spindle and the bore of the mandrel 2 drives off portions of the material of the deodorizing material in the manner already suggested.

In Fig. 2 the equivalent 3 of the core in the preceding form also consists of a cardboard or similar tube of inert material, on both sides of which the mandrel 2 is moved as shown. This construction will perform a triple function because besides supporting a roll of toilet paper and yielding its particles from the internal bore when the toilet paper roll is revolved upon a spindle such as 4, there will also be a giving off of particles of the deodorizing material when the paper roll turns in respect to the outside surface of the mandrel.

It is desired to state in conclusion that in some instances it will prove desirable to corrugate, flute or otherwise roughen the external or internal surfaces of the mandrel 2, thereby to facilitate both the normal giving off of the deodorizing constituents of the mandrel and also speed the rubbing off of its particles during the process of rotation. However, the roughening was omitted from the drawing solely to avoid unduly complicating the illustration.

I claim:

1. A device of the character described comprising a tubular body of inert material, and an internal mandrel of hardened deodorizing material, in tight contact with the inside of said body, said mandrel having a bore adapted to receive a supporting spindle.

2. A device of the character described comprising a tubular body of inert material, and a coating of hardened deodorizing material on both the exterior and interior of said body, being in tight contact with said exterior and interior, the interior coating constituting a mandrel and having a bore adapted to receive a supporting spindle.

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