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(54) **IMPROVED PAPER ROLL HOLDER DEVICE**

VERBESSERTER PAPIERROLLENHALTER

DISPOSITIF PORTE-ROULEAU DE PAPIER AMELIORE

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(73) Proprietor: **QTS S.r.L.  
20047 Brugherio (Mi) (IT)**

(72) Inventor: **NIADA, Gianandrea  
I-20129 Milano (IT)**

(74) Representative: **Adorno, Silvano et al  
c/o SOCIETA' ITALIANA BREVETTI S.p.A.  
Via Carducci, 8  
20123 Milano (IT)**

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## Description

**[0001]** The present invention relates to an improved roll holder device, and particularly to a holder device for a roll of kitchen paper or paper for various uses, which can be laid on a table or applied to a wall.

**[0002]** Roll holder devices are already known, generally formed of three members mutually joined for instance by means of hinges and arranged like three sides of a rectangle. The two lateral members are generally provided with two supports suitable for being inserted into the cardboard or plastic core of the paper roll, so as to sustain it.

**[0003]** Object of the present invention is providing a roll holder device which can be used with paper rolls having variable size, that is, with the various paper rolls available on the market, which have different widths and core diameters. Said object is achieved by means of a roll holder device whose main features are specified in the first claim and other features are specified in the following claims.

**[0004]** Document US-A-5 662 286 discloses a roll holder device having the features of the preamble of claim 1.

**[0005]** By virtue of the particular feature of the roll holder device, which is formed of a central member and two lateral members whose position of fastening to the central member can be adjusted, the roll holder device according to the present invention can be advantageously used with paper rolls having various widths.

**[0006]** According to a particular aspect of the invention, the size of the supports of the paper roll, which are applied to said lateral members, can be adjusted so as to be fitted to the core of the paper roll which is going to be used.

**[0007]** According to a particular aspect of the invention, the roll holder device is provided with a clip which allows the application of the device to a wall.

**[0008]** Further advantages and features of the roll holder device according to the present invention will appear to those skilled in the art from the following detailed description of one embodiment thereof, with reference to the accompanying drawings, wherein:

- figure 1 shows a frontal view of the central member according to said embodiment of the roll holder device;
- figure 2 shows a cross-sectional view taken along line II-II of figure 1;
- figure 3 shows a perspective view of one of the lateral members according to said embodiment;
- figure 4 shows a back view of the clip according to said embodiment;
- figure 5 shows a cross-sectional view taken along line V-V of figure 4; and
- figure 6 shows a perspective view of the complete roll holder device according to said embodiment of the present invention.

**[0009]** With reference to figure 1, there is shown that the flexible central member 1 of the roll holder device according to the present embodiment of the invention has a substantially rectangular shape with rounded corners, and is provided with a multiplicity of slits 2, for instance two or three, which are transversally arranged with respect to the two longitudinal ends of central member 1. As it will appear in the following, said transversal slits 2 are intended to receive a corresponding tongue which is provided on the lateral members of the present embodiment of the roll holder device.

**[0010]** As shown in figure 2, flexible central member 1 has a substantially curvilinear profile in the resting position. This figure also shows that slits 2 are preferably shaped so as to be complementary to the tongues which are inserted thereinto. Said tongues are indicated with the number 3 in figure 3.

**[0011]** Now, with reference to figure 3, there is shown that each one of lateral members 4 is formed of an elbow-shaped member 5 provided, at one end thereof, with the above mentioned tongue 3, which is rigid and arc-shaped. Further, two teeth 6 are shown in the drawing, whose function will be explained with reference to figure 7. At the other end of elbow-shaped member 5 there is also provided a portion 7 for lateral containment of the roll, which is substantially perpendicular to central member 1. Portion 7 shown in the drawing by way of an example has a round shape, but it could have any other shape. A small cylinder 8, suitable for being inserted in a known way into the core of a paper roll so as to sustain said roll, is fixed on the surface of said portion 7 which is turned towards the inside of the device. In a particular embodiment, said cylinder 8 can be substituted with other cylinders having different diameters, so that the user can choose from time to time the one which is more suitable as a function of the paper roll which has to be used. In another embodiment of the present invention, adapter rings are provided, which can be applied to cylinder 8 so as to increase the diameter thereof until it reaches the internal diameter of the roll core.

**[0012]** Now, with reference to figure 4, there is shown that clip 9, which forms the portion of the device which is suitable to be fastened to a wall, is substantially formed of two plates 10 and 11 facing each other. The back plate 10, which is shown in the foreground in the drawing, is provided with a multiplicity of holes 12 suitable for being passed through by fastening screws. Alternatively, plate 10 can be glued to the wall itself.

**[0013]** Figure 5 shows that plates 10 and 11 are elastically connected at the bottom thereof, and that front plate 11 has a slightly angular profile, so that the contact between the two plates occurs only along one line.

**[0014]** As it is apparent from figure 6, in order to assemble the roll holder device, central member 1 is inserted between plates 10 and 11 by making use of the elasticity of their connection, and thus it is fixed to clip 9. Tongues 3 of lateral members 4 are inserted into slits 2 and subsequently brought into contact with central

member 1. Teeth 6, which for instance can be part of a snapping shut device, are introduced inside suitable fissures (not shown) formed on the back surface of central member 1. In this way, lateral members 4 are fixed to central member 1 even if they are not pressed against the latter by means of a paper roll.

[0015] The number and the mutual distances between slits 2 at the two ends of central member 1 are defined as a function of the various lengths of the paper rolls which are available on the market.

[0016] Any known material which is considered suitable for the construction of devices of the traditional type can be used for the construction of the roll holder device according to the present invention.

### Claims

1. A roll holder device formed of a central member (1) and of two elbow-shaped lateral members (4) comprising supporting means (8) for a paper roll, **characterized in that** said central member (1) is provided with a multiplicity of transversal slits (2), suitable for receiving a corresponding tongue (3) of the lateral members (4).
2. A roll holder device according to claim 1, **characterized in that** said slits (2) are arranged at the two longitudinal ends of the central member (1).
3. A roll holder device according to one of the preceding claims, **characterized in that** the tongue (3) of the lateral members (4) is provided with blocking means (6) to the central member (1).
4. A roll holder device according to claim 3, **characterized in that** said blocking means (6) are formed of teeth suitable for being inserted into corresponding fissures formed in the central member (1).
5. A roll holder device according to one of the preceding claims, **characterized in that** said supporting means (8) applied to the lateral members (4) are replaceable.
6. A roll holder device according to one of the claims 1 to 4, **characterized in that** said supporting means (8) are suitable for being coupled with adapter rings.
7. A roll holder device according to one of the preceding claims, **characterized in that** it comprises fastening means (9) of the device to a wall.
8. A roll holder device according to claim 7, **characterized in that** said fastening means (9) comprise two substantially flat portions (10, 11) arranged one over the other and elastically connected at their bottom.

### Patentansprüche

1. Rollenhalter, gebildet aus einem Mittelteil (1) und zwei L-förmigen Seitenteilen (4) mit Halteelementen (8) für eine Papierrolle, **dadurch gekennzeichnet, dass** das Mittelteil (1) eine Vielzahl von Querschlitzten (2) zur Aufnahme einer entsprechenden Zunge (3) der Seitenteile (4) aufweist.
2. Rollenhalter nach Anspruch 1, **dadurch gekennzeichnet, dass** die Schlitzte (2) an den beiden längsseitigen Enden des Mittelteils (1) angeordnet sind.
3. Rollenhalter nach einem der vorangegangenen Ansprüche, **dadurch gekennzeichnet, dass** die Zungen (3) der Seitenteile (4) Verriegelungselemente (6) für das Mittelteil (1) umfassen.
4. Rollenhalter nach Anspruch 3, **dadurch gekennzeichnet, dass** die Verriegelungselemente (6) durch Zähne gebildet sind, die zum Einbringen in entsprechende, in das Mittelteil (1) eingebrachte Spalte vorgesehen sind.
5. Rollenhalter nach einem der vorangegangenen Ansprüche, **dadurch gekennzeichnet, dass** die Halteelemente (8) der Seitenteile (4) austauschbar sind.
6. Rollenhalter nach einem der Ansprüche 1 bis 4, **dadurch gekennzeichnet, dass** die Halteelemente (8) zum Aufsetzen von Adapterringen ausgebildet sind.
7. Rollenhalter nach einem der vorangegangenen Ansprüche, **dadurch gekennzeichnet, dass** dieser Befestigungselemente (9) zum Befestigen des Halters an einer Wand umfaßt.
8. Rollenhalter nach Anspruch 7, **dadurch gekennzeichnet, dass** die Befestigungselemente (9) zwei im wesentlichen flache Abschnitte (10, 11) umfassen, die übereinander liegend und elastisch an ihren Unterseiten miteinander verbunden sind.

### Revendications

1. Dispositif de support de rouleaux formé avec un élément central (1) et deux éléments latéraux en forme de coude (4) comprenant des moyens de support (8) pour un rouleau de papier, **caractérisé en ce que** ledit élément central (1) est pourvu d'une pluralité de fentes transversales (2), adaptées à recevoir une langue correspondante (3) des éléments latéraux (4).

2. Dispositif de support de rouleaux selon la revendication 1, **caractérisé en ce que** lesdites fentes (2) sont arrangées au niveau des deux extrémités longitudinales de l'élément central (1). 5
3. Dispositif de support de rouleaux selon l'une quelconque des revendications précédentes, **caractérisé en ce que** la langue (3) des éléments latéraux (4) est pourvue de moyens de blocage (6) pour l'élément central (1). 10
4. Dispositif de support de rouleaux selon la revendication 3, **caractérisé en ce que** lesdits moyens de blocage (6) sont formés de dents adaptées à être insérées dans des fissures correspondantes formées dans l'élément central (1). 15
5. Dispositif de support de rouleaux selon l'une quelconque des revendications précédentes, **caractérisé en ce que** lesdits moyens de support (8) appliqués aux éléments latéraux (4) sont remplaçables. 20
6. Dispositif de support de rouleaux selon l'une quelconque des revendications 1 à 4, **caractérisé en ce que** lesdits moyens de support (8) sont adaptés à être couplés avec des anneaux adaptateurs. 25
7. Dispositif de support de rouleaux selon l'une quelconque des revendications précédentes, **caractérisé en ce qu'il** comprend des moyens de fixation (9) du dispositif à un mur. 30
8. Dispositif de support de rouleaux selon la revendication 7, **caractérisé en ce que** lesdits moyens de fixation (9) comprennent deux parties sensiblement plates (10, 11) disposées une au-dessus de l'autre et connectées élastiquement au niveau de leur fond. 35

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Fig. 1

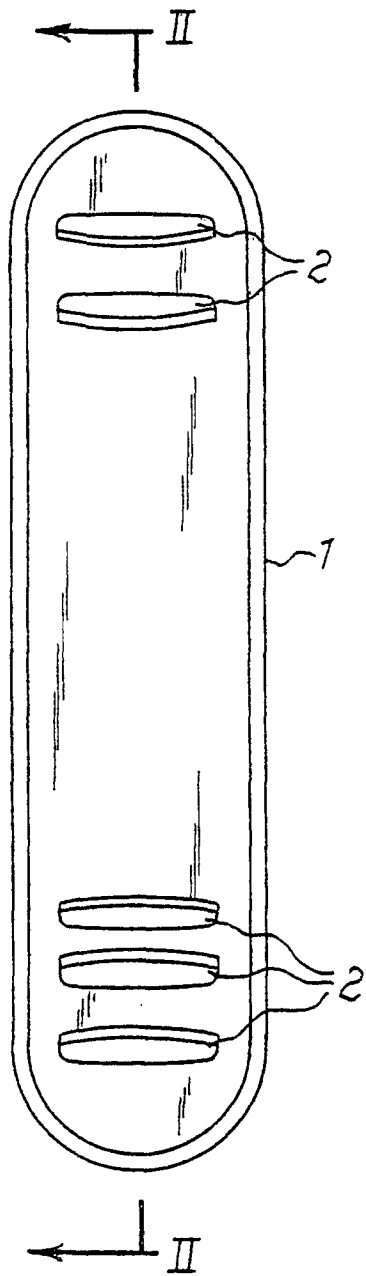


Fig. 2

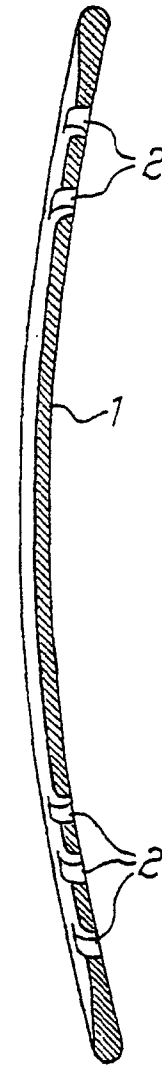


Fig. 3

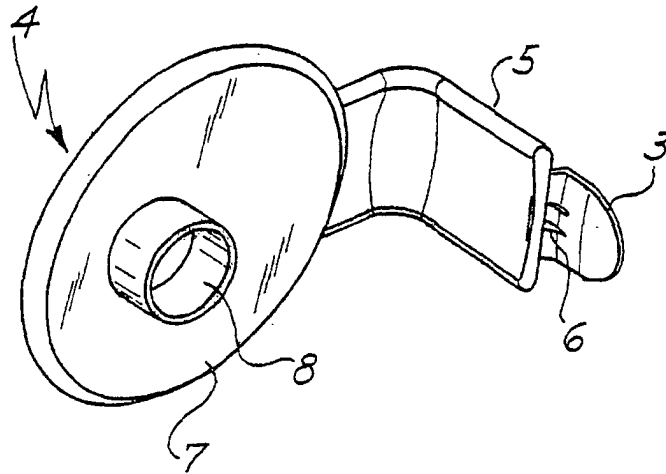


Fig. 4

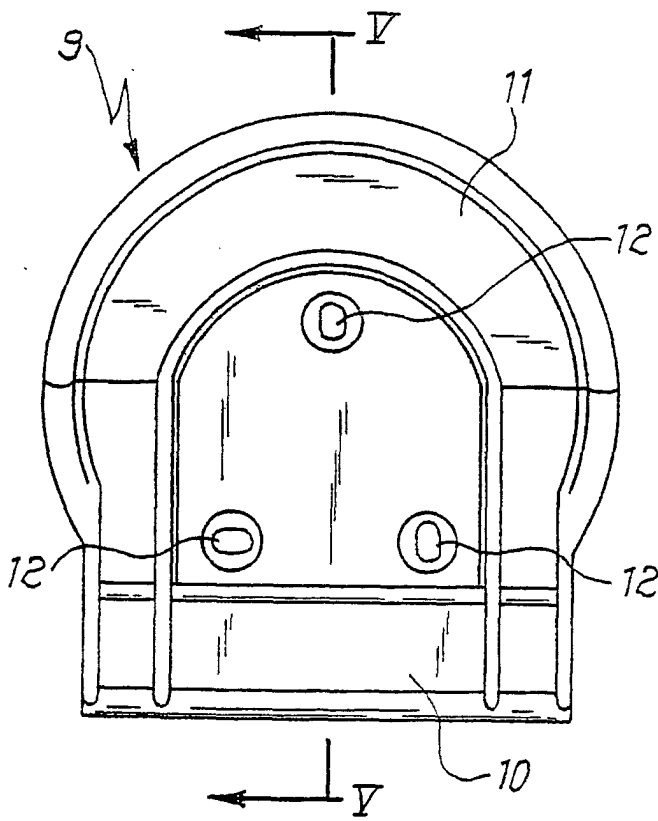


Fig. 5

