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(54) **DEVICE FOR SUPPORTING A ROLLER-BLIND OR A SUCH-LIKE PRODUCT**

VORRICHTUNG ZUR STÜTZUNG EINES ROLLOS ODER ÄHNLICHEN PRODUKTES

DISPOSITIF SERVANT À SUPPORTER UN VOLET ROULANT OU AUTRE PRODUIT SIMILAIRE

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Description

[0001] The invention relates to a device for supporting a roller-blind or a such-like product, said device comprising a base-plate which can be mounted on a vertical and/or horizontal wall, said base-plate being provided with means for supporting an end-portion of a roller-blind, means being provided for adjusting the position of said end-portion, said means comprising at least a screw like element which can be rotated from the outside by means of a screw driver or such like.

[0002] Although in what follows there is spoken of a roller-blind it will be obvious that by this also other such-like products can be meant.

[0003] In case of the device known by EP 1 881 149 A2 said screw like element serves for displacement of a tube being suitable for co-operating with an end-portion of a roller-blind.

[0004] A disadvantage of this construction is, that the end of said roller-blind has to be adapted to said tube so that this end has to be executed in a special way and so said known device is not suitable for use with standard roller-blinds. Further by use of said tube there will be a relative large distance between the base-plate and the end of ssaid tube, so that there will be a relative large gap between said roller-blind and the window-frame when the roller-blind is in use.

[0005] Now the object of the invention is to remove these disadvantages and to that end a device according to the invention is characterized in that said base-plate is provided with a support-plate lying direct either indirectly
against it, said support-plate being movable in the horizontal direction, as seen in the mounted position of said base-plate, and comprising an obliquely upward extending part, a receiving member being supported by said part and lying as well directly or indirectly against said base-plate and being provided with a sleeve or such like for receiving an end-portion of said roller-blind, means being provided for moving said support-plate, said means being attainable when said roller-blind is present.

[0006] In this way it is obtained that by moving said support-plate from the outside, said receiving member can be moved upward either downward. In this way the position of said roller-blind can be adapted if necessary, such that this will be in the desired horizontal position.

[0007] The means for moving said support-plate might consist of a rotatable mounted gear wheel, being connected to a vertical directed shaft which can be rotated from the outside and co-operates with a toothing of a sliding-block being coupled with said support-plate and being mounted such that it is movable in horizontal direction.

[0008] In this way a self-locking driving can be obtained, such that said support-plate will remain in a fixed position after having been adjusted.

[0009] Although it is possible to form said sliding-block and said support-plate as one whole it is preferred that for coupling said sliding-block to the support-plate the upper surface of said sliding-block will be provided with a toothing engaging a corresponding toothing provided in the bottom surface of said support-plate.

[0010] The invention is further elucidated with the help of an embodiment, shown in the drawing, in which:

Fig. 1 shows an exploded view of a device according to the invention;
Fig. 2 shows a side view of the device of fig. 1; and
Fig. 3 shows a view from the left side of the device according to fig. 2, in which, however, the cover cap, in particular mounted in fig. 1, is removed.

[0011] The device, shown in the figures, comprises the base-plate 1, provided with holes either slots 2 for receiving screws for mounting said base-plate on a, not shown, vertical and/or horizontal wall.

[0012] On the base-plate 1 a support-plate 3 is slidable mounted with an intermediate mounting plate 4. Said support-plate 3 comprises the obliquely upward extending part 5, on which the receiving member 6 rests. Said receiving member 6 is provided with a sleeve 7 in which the end-portion 8 of a, not further shown, roller-blind might be received.

[0013] The support-plate 3 and said receiving member 6 are covered by means of the cover cap 9, which can be fixed on said base-plate 1 by means of screws and nuts 10. Together with these the mounting plate 4 is fixed.

[0014] For moving said support plate 3 a gear wheel 11 is provided, being fixedly connected to the vertical extending shaft 12, being rotatable supported by said mounting plate 4.

[0015] Said gear wheel 11 co-operates with the toothing 13 of a sliding block 14. The upper surface 15 of said sliding block 14 is provided with a toothing 16 co-operating with a toothing 17 provided in the bottom surface of said support-plate 3.

[0016] The shaft 12 of said gear wheel 11 is attainable from below by means of a screw driver while said roller-blind is present.

[0017] Caused by this the position of said support-plate 3 can be adjusted very accurate and by this the position of said end-portion 8 of said roller-blind without removing said roller-blind.

Claims

1. Device for supporting a roller-blind or a such-like product, said device comprising a base-plate (1) which can be mounted on a vertical and/or horizontal wall, said base-plate (1) being provided with means for supporting an end-portion (8) of a roller-blind, means being provided for adjusting the position of said end-portion, said means comprising at least a screw-like element (12) which can be rotated from the outsude by means of a screw driver or such like,

characterized in that said base-plate (1) is provided with a support-plate (3) lying directly or indirectly against it, said support-plate (3) being movable in horizontal direction, as seen in the mounted position of said base-plate (1), and comprising an obliquely upward extending part (5), a receiving member (6) being supported by said part and lying as well directly or indirectly against said base-plate (1) and being provided with a sleeve (7) or such like for receiving an end-portion (8) of said roller-blind, means (11-18) being provided for moving said support-plate (3), said means being attainable when said roller-blind is present.

2. Device according to claim 1, **characterized in that** the means for moving said support-plate(3) consists of a rotatable mounted gear wheel (11), being connected to a vertical directed shaft (12)which can be rotated from the outside and co-operates with a toothing (13) of a sliding-block (14) being coupled with said support-plate (3) and being mounted such that it is movable in horizontal direction.

3. Device according to claim 2, **characterized in that** for coupling said sliding-block (14) to the support-plate (3), the upper surface (15) of said sliding-block (14) is provided with a toothing (16) engaging a corresponding toothing (17) provided in the bottom surface (18) of said support-plate (3).

Patentansprüche

1. Vorrichtung zum Stützen eines Rollos oder eines derartigen Produkts, wobei die Vorrichtung eine Grundplatte (1) umfasst, die an einer vertikalen und/oder einer horizontalen Wand montiert werden kann, wobei die Grundplatte (1) mit einem Mittel zum Stützen eines Endabschnitts (8) eines Rollos versehen ist, wobei ein Mittel zum Einstellen der Lage des Endabschnitts vorgesehen ist, wobei das Mittel wenigstens ein schraubenartiges Element (12) umfasst, das mittels eines Schraubendrehers oder dergleichen von außerhalb gedreht werden kann, **dadurch gekennzeichnet, dass** die Grundplatte (1) mit einer Stützplatte (3), die direkt oder indirekt an ihr anliegt, versehen ist, wobei die Stützplatte (3) in der montierten Lage der Grundplatte (1) gesehen in horizontaler Richtung beweglich ist und ein schräg nach oben verlaufendes Teil (5) umfasst, wobei ein Aufnahmeelement (6) durch das Teil gestützt ist und ebenfalls direkt oder indirekt an der Grundplatte (1) anliegt und mit einer Hülse (7) oder dergleichen zur Aufnahme eines Endabschnitts (8) des Rollos versehen ist, wobei ein Mittel (11-18) zum Bewegen der Stützplatte (3) vorgesehen ist, wobei das Mittel erreichbar ist, wenn das Rollo vorhanden ist.

2. Vorrichtung nach Anspruch 1, **dadurch gekennzeichnet, dass** das Mittel zum Bewegen der Stützplatte (3) aus einem drehbar montierten Zahnrad (11) besteht, das mit einer vertikal gerichteten Welle (12) verbunden ist, die von außerhalb gedreht werden kann und die mit einer Verzahnung (13) eines Gleitblocks (14) zusammenwirkt, der mit der Stützplatte (3) gekoppelt ist und der in der Weise montiert ist, dass er in horizontaler Richtung beweglich ist.

3. Vorrichtung nach Anspruch 2, **dadurch gekennzeichnet, dass** die obere Oberfläche (15) des Gleitblocks (14) mit einer Verzahnung (16) versehen ist, die mit einer in der unteren Oberfläche (18) der Stützplatte (3) vorgesehenen entsprechenden Verzahnung (17) in Eingriff ist, um den Gleitblock (14) mit der Stützplatte (3) zu koppeln.

Revendications

1. Dispositif pour supporter un store à rouleaux ou un produit analogue, ledit dispositif comprenant une plaque de base (1) qui peut être montée sur un mur vertical et/ou horizontal, ladite plaque de base (1) étant pourvue de moyens pour supporter une portion d'extrémité (8) d'un store à rouleaux, des moyens étant prévus pour régler la position de ladite portion d'extrémité, lesdits moyens comprenant au moins un élément analogue à une vis (12) qui peut être mis en rotation depuis l'extérieur au moyen d'un tournevis ou analogue, **caractérisé en ce que** ladite plaque de base (1) est pourvue d'une plaque de support (3) située directement ou indirectement contre elle, ladite plaque de support (3) étant mobile dans une direction horizontale, lorsque vue dans la position montée de ladite plaque de base (1), et comprenant une partie s'étendant obliquement vers le haut (5), un organe de réception (6) étant supporté par ladite partie et situé également directement ou indirectement contre ladite plaque de base (1) et étant pourvu d'un manchon (7) ou analogue pour recevoir une portion d'extrémité (8) dudit store à rouleaux, des moyens (11 à 18) étant prévus pour déplacer ladite plaque de support (3), lesdits moyens pouvant être atteints lorsque ledit store à rouleaux est présent.

2. Dispositif selon la revendication 1, **caractérisé en ce que** les moyens pour déplacer ladite plaque de support (3) consistent en une roue d'engrenage montée de manière à pouvoir tourner (11), étant reliée à un arbre dirigé vertical (12) qui peut être mis en rotation depuis l'extérieur et coopère avec une denture (13) d'un bloc coulissant (14) étant couplé à ladite plaque de support (3) et étant monté de telle sorte qu'il soit mobile dans une direction horizontale.

3. Dispositif selon la revendication 2, **caractérisé en**

ce que pour coupler ledit bloc coulissant (14) à la plaque de support (3), la surface supérieure (15) dudit bloc coulissant (14) est pourvue d'une denture (16) en prise avec une denture (17) correspondante agencée dans la surface inférieure (18) de ladite plaque de support (3).

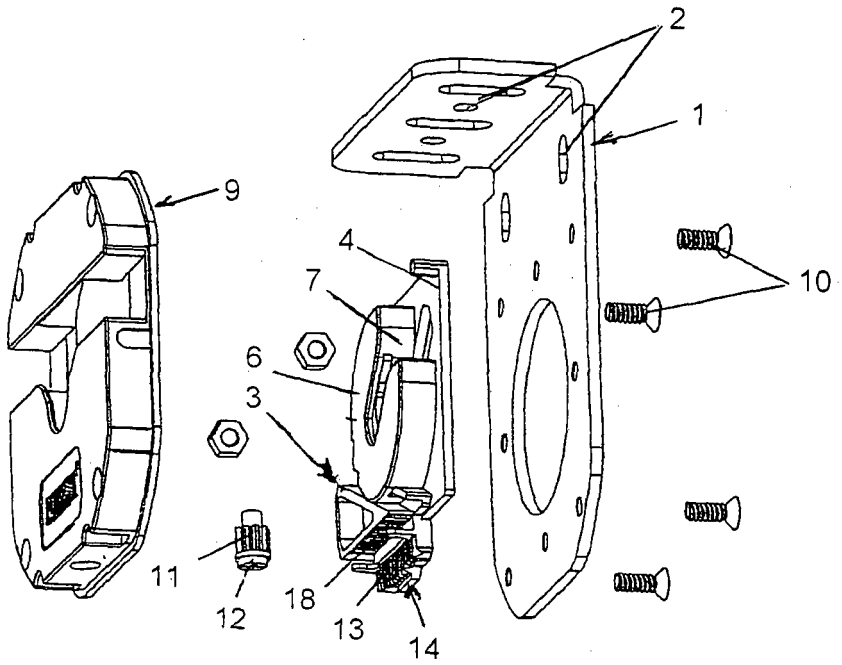


FIG. 1

FIG. 3

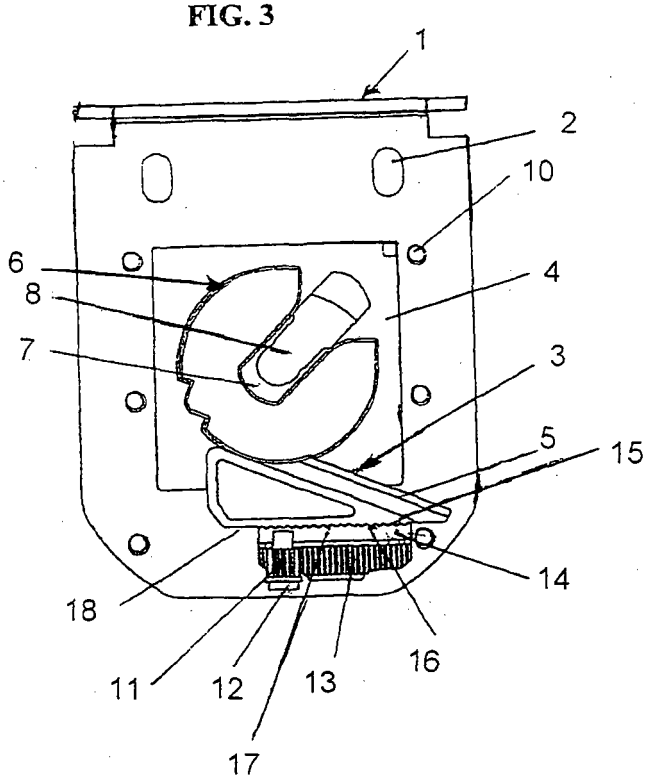
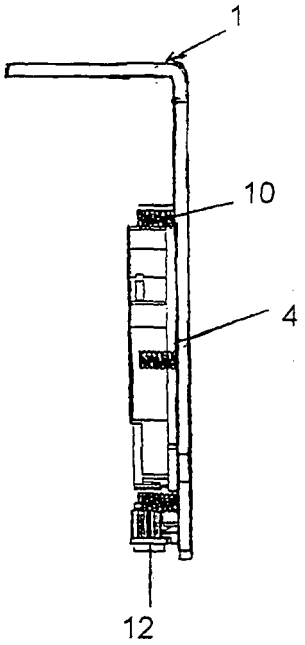


FIG. 2



REFERENCES CITED IN THE DESCRIPTION

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