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(54) **Apparatus for dispensing plastics stretch film.**

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(73) Proprietor: **MOBIL OIL CORPORATION**
150 East 42nd Street
New York New York 10017(US)

(72) Inventor: **Wiese, Volker**
8 Rue Haard
L-4970 Bethange(LU)

(74) Representative: **Colmer, Stephen Gary**
Patent Department c/o Mobil Services Com-
pany Limited Mobil Court 3 Clements Inn
London WC2A 2EB(GB)

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Description

This invention relates to the manual dispensing of elongate flexible material; more particularly, this invention relates to a manually-operated device for dispensing elongate flexible material such as plastics films, especially stretchable plastics film, as known from GB-A-2 065 070.

In accordance with one aspect of this invention, there is provided a hand-held dispenser for elongate flexible material, which material is wrapped as a roll about a hollow core and is rotatable therewith and wherein at least one end of the core projects from the roll, the dispenser comprising a handle; a spindle projecting from the handle so that the core can, in use, be rotatably mounted thereon; a resilient skirt defining with the spindle a groove into which, in use, the projecting end of the core is received and against which core the skirt may be manually urged to provide braking means particularly external radial braking means, for the core.

It is desirable, for ease of manufacture, that the spindle is formed integrally with the skirt. Likewise, it is desirable that the handle is formed integrally with the skirt. It is preferred that the handle, spindle and the skirt are integrally formed.

In accordance with a preferred embodiment of the invention, there is provided a dispenser as herein defined which additionally comprises releasable latching means at the free, opposed end of the spindle to prevent disengagement of the core from the dispenser.

This invention also provides a dispenser as herein defined which is loaded with a roll of flexible material, for example plastics film especially stretchable plastics film preferably comprising polypropylene.

In accordance with a further aspect of this invention, there is provided, optionally as a kit of parts, a hand-held dispenser, for example of elongate flexible material, which comprises a handle; a spindle mountable thereon; and a resilient skirt defining with the spindle a groove, preferably a radial groove, which skirt is manually deformable against the spindle.

The invention will now be particularly described, by way of example, with reference to the accompanying drawings in which:

Fig. 1 represents a side elevation, partially broken away to reveal cross-sectional detail, of a dispenser of the invention; and

Fig. 2 represents an end elevation, taken in the direction A, of the dispenser shown in Fig. 1.

In the drawings, the dispenser 20 comprises a handle 1 formed from filled PVC and comprising axially extending ribs 2 to facilitate manual gripping thereof. The handle is integrally formed both with a coaxial spindle 3 and with a coaxial resilient skirt 4

which together define a radial groove 5. The opposed end of the spindle 6 is externally threaded to receive a screw-threaded cap 7.

In use, the dispenser 20, without cap 7, is loaded with a dimensionally apt roll of stretchable plastics film 8 wrapped rotatable therewith about a hollow core 9. One end 10 of the core projects from the roll and is received in radial groove 5. Cap 7 is then screwed into position. The free end of the film 8 is next affixed to an object (not shown) to be wrapped and, by relative movement of the handle to the object, the roll is unwound and the object wrapped with film. The speed of wrapping and the tension in the film are varied by manually urging the skirt against the core to provide a braking action. On exhaustion of the film supply the cap is unscrewed; the spent core discarded, and a fresh core is inserted and latched in place.

Claims

1. A hand-held dispenser for elongate flexible material (8), which material is wrapped as a roll about a hollow core (9) and is rotatable therewith, the dispenser comprising a handle (1); a spindle (6) projecting from the handle so that the core can, in use, be rotatably mounted thereon; characterized by a resilient skirt (4) defining with the spindle a groove (5) into which, in use, a projecting end of the core is received and against which core the skirt may be manually urged to provide braking means for the core.
2. A dispenser according to claim 1 wherein the spindle is formed integrally with the skirt.
3. A dispenser according to claim 1 or 2 wherein the handle is formed integrally with the skirt.
4. A dispenser according to any preceding claim which additionally comprises releasable latching means (7) at the free, opposed end of the spindle to prevent disengagement of the core from the dispenser.
5. A dispenser according to any preceding claim which is loaded with a roll of flexible material.
6. A dispenser according to claim 5 wherein the flexible material comprises plastics film.
7. A dispenser according to claim 6 wherein the flexible material comprises stretchable plastics film.
8. A dispenser according to claim 6 or 7 wherein the plastics film comprises polypropylene.

9. A hand-held dispenser, for example for elongate flexible material, which comprises a handle (1); a spindle (3) mountable thereon, characterized by a resilient skirt (4) defining with the spindle a groove (5) which skirt is manually deformable against the spindle.

10. A hand-held dispenser according to claim 9 wherein the handle, spindle and the skirt are integrally formed.

Revendications

1. Un distributeur manuel pour un matériau flexible allongé (8), lequel matériau est enroulé à la manière d'un rouleau autour d'un noyau creux (3) et est susceptible de tourner sur ce noyau, le distributeur comprenant: un manche (1); une broche (6) partant du manche de manière telle que le noyau puisse, en service, y être monté à rotation, caractérisé par une chemise élastique (4) définissant avec la broche une rainure (5) dans laquelle est reçue, en service, l'extrémité en saillie du noyau contre lequel la chemise peut être repoussée manuellement pour constituer des moyens de freinage pour le noyau.

2. Un distributeur selon la revendication 1, dans lequel la broche est formée monobloc avec la chemise.

3. Un distributeur selon la revendication 1 ou 2, dans lequel le manche est formé monobloc avec la chemise.

4. Un distributeur selon l'une quelconque des revendications précédentes, qui comporte en outre des moyens de verrou libérables (7) à l'extrémité libre opposée de la broche afin d'empêcher l'échappement du noyau hors du distributeur.

5. Un distributeur selon l'une quelconque des revendications précédentes, et qui est chargé d'un rouleau de matériau flexible.

6. Un distributeur selon la revendication 5, dans lequel le matériau flexible comprend un film en matière plastique.

7. Un distributeur selon la revendication 6, dans lequel le matériau flexible comporte un film étirable en matière plastique.

8. Un distributeur selon la revendication 6 ou 7, dans lequel le film en matière plastique comporte du polypropylène.

9. Un distributeur destiné à être porté manuellement, par exemple pour un matériau flexible allongé, qui comprend: un manche (1); une broche (3) susceptible d'être montée sur ce manche, caractérisé par une chemise élastique (4) définissant avec la broche une rainure (5), ladite chemise étant susceptible d'être déformée manuellement contre la broche.

10. Un distributeur destiné à être porté manuellement, selon la revendication 9, dans lequel le manche, la broche et la chemise sont formés monobloc.

Patentansprüche

1. Eine von Hand gehaltene Abgabevorrichtung für ein sich in der Länge erstreckendes flexibles Material (8), das als Rolle um einen hohlen Kern (9) herum aufgewickelt und damit drehbar ist, wobei die Abgabevorrichtung einen Handgriff (1) und eine Spindel (6) aufweist, die von dem Handgriff derart vorsteht, daß der Kern beim Gebrauch daran drehbar befestigt werden kann, gekennzeichnet durch einen elastischen Rand (4), der mit der Spindel eine Ausnehmung (5) definiert, in der beim Gebrauch ein vorstehendes Ende des Kerns aufgenommen wird, wobei dieser Rand von Hand gegen den Kern gedrückt werden kann, um ein Bremsmittel für den Kern bereitzustellen.

2. Abgabevorrichtung nach Anspruch 1, worin die Spindel mit dem genannten Rand einstückig ausgebildet ist.

3. Abgabevorrichtung nach Anspruch 1 oder 2, worin der Handgriff mit dem genannten Rand einstückig ausgebildet ist.

4. Abgabevorrichtung nach einem der vorstehenden Ansprüche, die an dem freien entgegengesetzten Ende der Spindel zusätzlich ein lösbares Verankerungsmittel (7) aufweist, um ein Ablösen des Kerns von der Abgabevorrichtung zu verhindern.

5. Abgabevorrichtung nach einem der vorstehenden Ansprüche, die mit einer Rolle aus einem flexiblen Material bestückt ist.

6. Abgabevorrichtung nach Anspruch 5, worin das flexible Material einen Kunststofffilm aufweist.

7. Abgabevorrichtung nach Anspruch 6, worin das flexible Material einen reckbaren Kunststofffilm aufweist.

8. Abgabevorrichtung nach Anspruch 6 oder 7,
worin der Kunststoffilm Polypropylen enthält.
9. Von Hand gehaltene Abgabevorrichtung für
beispielsweise ein sich in der Länge erstrek- 5
kendes flexibles Material, die einen Handgriff
(1) und eine daran befestigbare Spindel (3)
aufweist, gekennzeichnet durch einen elasti-
schen Rand (4), der mit der Spindel eine Aus- 10
nehmung (5) definiert und von Hand gegen die
Spindel (5) verformbar ist.
10. Von Hand gehaltene Abgabevorrichtung nach
Anspruch 9, worin der Handgriff, die Spindel 15
und der genannte Rand einstückig ausgebildet
sind.

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