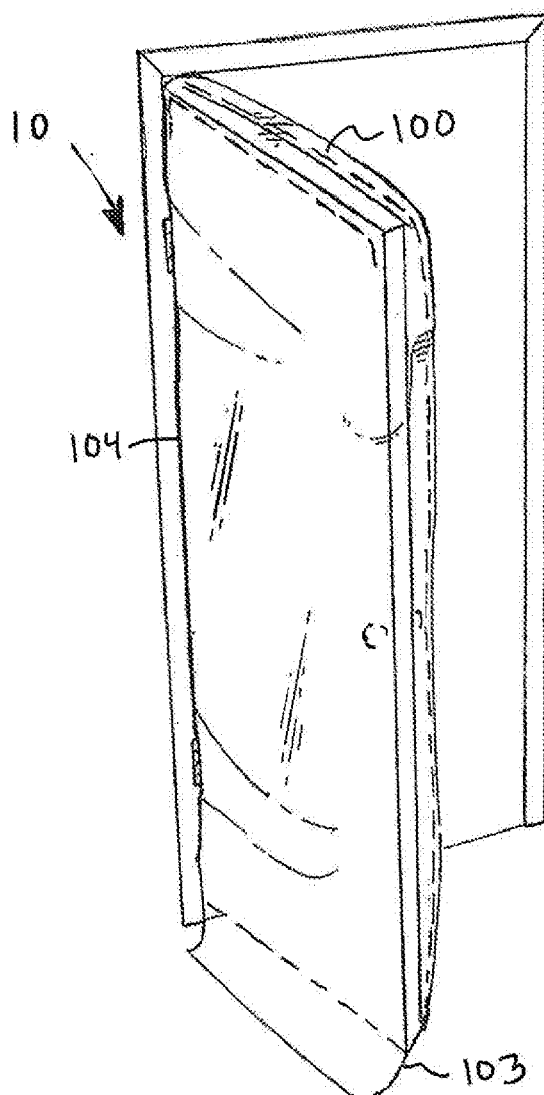




US 20170058541A1

(19) **United States**(12) **Patent Application Publication**
Nistler et al.(10) **Pub. No.: US 2017/0058541 A1**(43) **Pub. Date: Mar. 2, 2017**(54) **DOOR PROTECTING COVERING****Publication Classification**(71) Applicants: **Kevin Mark Nistler**, Anchorage, AK
(US); **Mari Jane Nistler**, Anchorage,
AK (US)(51) **Int. Cl.**
E04G 21/24 (2006.01)(52) **U.S. Cl.**
CPC **E04G 21/247** (2013.01)(72) Inventors: **Kevin Mark Nistler**, Anchorage, AK
(US); **Mari Jane Nistler**, Anchorage,
AK (US)(57) **ABSTRACT**(21) Appl. No.: **15/177,617**(22) Filed: **Jun. 9, 2016****Related U.S. Application Data**(60) Provisional application No. 62/210,750, filed on Aug.
27, 2015.

A door protective covering. The door protective covering designed for placement over a hung door to protect the door from damage during various painting and remodeling tasks. The door cover is generally rectangular and enclosed along one side of its width and one side of its length to form a modified cavity wherein the cover is placed upon the door with the enclosed width resting on a top side of the door. Preferably, the door cover is provided on a roll and constructed of a plastic material.



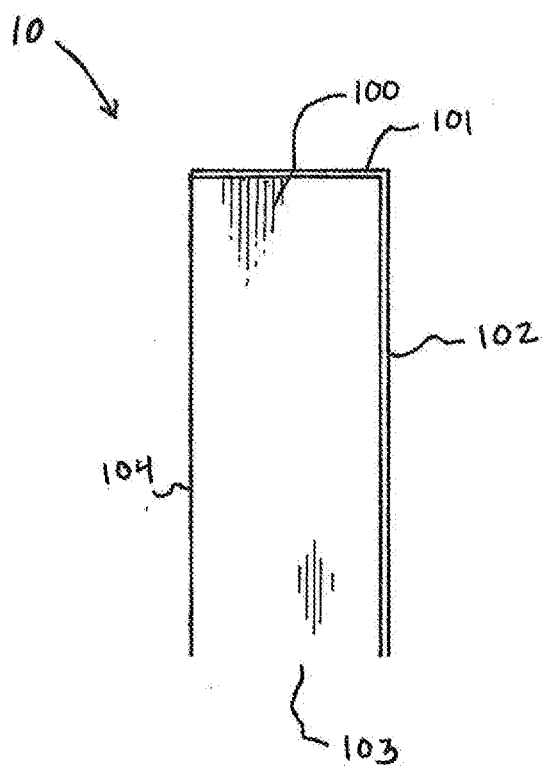


Fig. 1

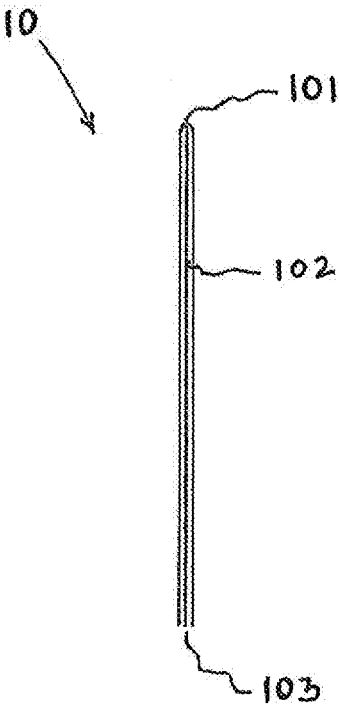


Fig. 2

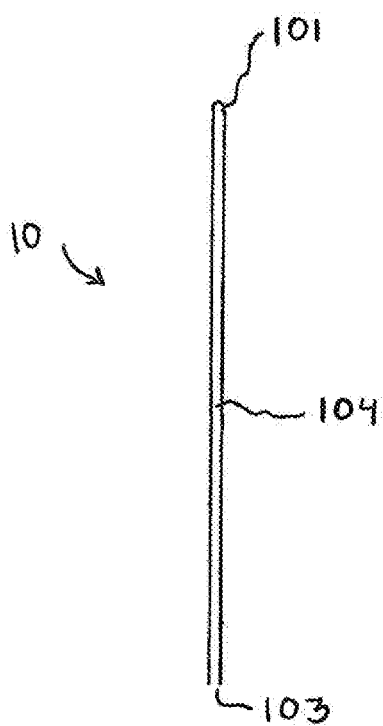


Fig. 3

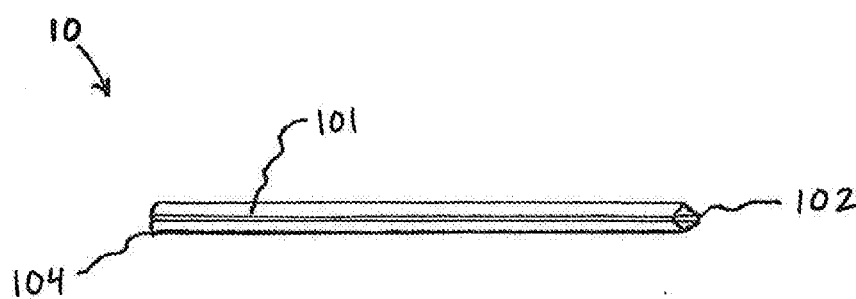


Fig. 4

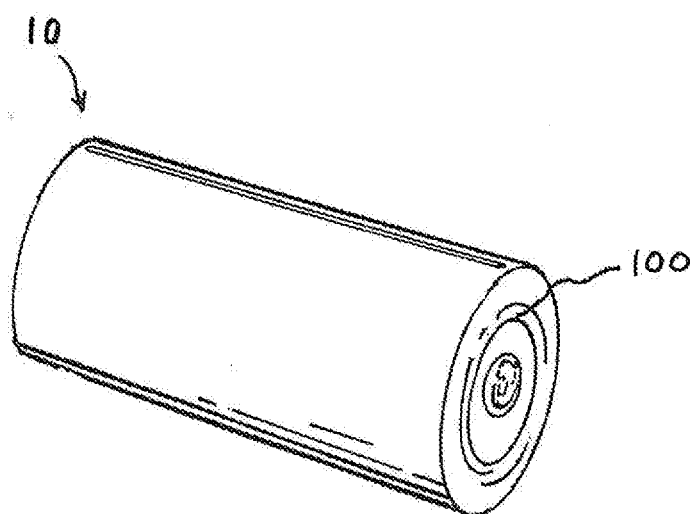


Fig. 5

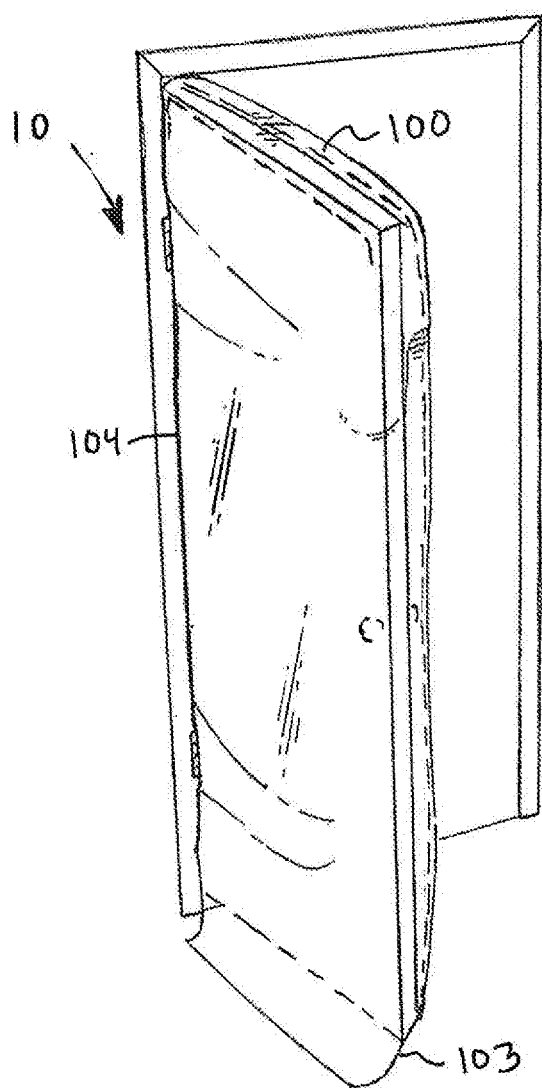


Fig. 6

DOOR PROTECTING COVERING

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority to U.S. Provisional Patent Application No. 62/210,750 filed 27 Aug. 2015 to the above named inventors, and is herein incorporated by reference in its entirety.

FIELD OF THE INVENTION

[0002] The invention relates generally to a cover for the protection of doors during construction and painting.

BACKGROUND

[0003] Currently there are a number of solutions for protecting a door during remodeling and painting. Some of these solutions attempt to cover the door with drop cloths, but these solutions fail to meet the needs of the market because a drop cloth can slip off and is otherwise not easily secured to the door. Another solution is to attempt to tape the edges around a door, but this solution is similarly unable to meet the needs of the market because the opposed faces of the door are still generally exposed and susceptible to marring or damage during painting and construction.

[0004] U.S. Pat. No. 5,042,656 to Kahre discloses an envelope-like structure for the placement over doors to protect the door from damage during painting or construction projects. This envelope is generally disposable and enclosed upon three sides and open on one side to form a type of sheath for placement over the door; the open side acting as a mouth and defining an interior for placing the envelope over the door. The Kahre device is limited to a given size of door as it is sealed on three sides. Further, it is additionally difficult to place over the hardware of the door as the flexibility and give of the material is restrained by this predetermined fixed size and sealed edges. The present invention is designed to provide an improved door cover that is applicable to multiple sizes of doors, is designed to easily cover a door with the hardware affixed, and additionally provided on a roll for easy transport and use.

SUMMARY OF THE INVENTION

[0005] An improved door cover is disclosed. The door cover is generally disposable and designed to fully cover multiple sizes of doors to protect the doors from paint or damage during remodeling, construction, decorating or other similar tasks. Furthermore, it would also be advantageous to have a door-covering device that is provided on a roll of multiple covers for people who work in home decorating, remodeling and the construction fields. Still further, it would be advantageous to have this door cover placed on a roll and available in multiple roll counts to accommodate the homeowner or professional using the door cover device. Therefore, there currently exists a need in the market for an apparatus that is a roll of plastic covers to be taken off the roll and slipped over a door to completely protect it from painting and construction jobs.

[0006] The invention advantageously fills the aforementioned deficiencies by providing a plastic door cover or a roll of plastic covers to protect doors during construction and painting, which provides options for do-it-yourself types and professionals alike.

[0007] The invention is a large plastic cover that is cut to a width and length and length. Preferably this width and length is provided to fit on a majority of doors that are available within the marketplace. Preferably, this cover is provided on a roll of several covers, although the covers could alternately be provided in any combination of configurations. The cover is sealed on the top and one side with the opposed side and the bottom having an opening slit to allow the cover to be easily opened and placed over a door.

[0008] Preferably, the cover will be provided in widths to accommodate 32" and 36" doors and alternately may be provided in a single width or multiple widths accommodating a variable range of door widths.

[0009] The apparatus fulfills the need for a quick, easy and inexpensive way to cover doors during painting and construction jobs.

[0010] Among other things, it is an advantage of the invention to provide a roll of plastic covers to protect doors during construction and painting that does not suffer from any of the problems or deficiencies associated with prior solutions.

[0011] It is still further an advantage of the invention to be pre-cut to the door size. It is slit only on a side and the bottom for easy application over the door. It only has to be taped on one side for quick taping.

[0012] The invention now will be described more fully hereinafter with reference to the accompanying drawings, which are intended to be read in conjunction with both this summary, the detailed description and any preferred and/or particular embodiments specifically discussed or otherwise disclosed. This invention may, however, be embodied in many different forms and should not be construed as limited to the embodiments set forth herein; rather, these embodiments are provided by way of illustration only and so that this disclosure will be thorough, complete and will fully convey the full scope of the invention to those skilled in the art.

BRIEF DESCRIPTION OF THE DRAWINGS

[0013] FIG. 1 shows a front side view of the door covering device, according to the present invention;

[0014] FIG. 2 shows a first side view of the device, according to the present invention;

[0015] FIG. 3 shows an opposed side of the first side of the device, according to the present invention;

[0016] FIG. 4 shows a top side view of the device, according to the present invention;

[0017] FIG. 5 shows a perspective view of the device on a roll, according to the present invention; and

[0018] FIG. 6 shows the device in use, according to the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0019] The following detailed description includes references to the accompanying drawings, which form a part of the detailed description. The drawings show, by way of illustration, specific embodiments in which the invention may be practiced. These embodiments, which are also referred to herein as "examples," are described in enough detail to enable those skilled in the art to practice the invention. The embodiments may be combined, other embodiments may be utilized, or structural, and logical

changes may be made without departing from the scope of the present invention. The following detailed description is, therefore, not to be taken in a limiting sense.

[0020] Before the present invention is described in such detail, however, it is to be understood that this invention is not limited to particular variations set forth and may, of course, vary. Various changes may be made to the invention described and equivalents may be substituted without departing from the true spirit and scope of the invention. In addition, many modifications may be made to adapt a particular situation, material, composition of matter, process, process act(s) or step(s), to the objective(s), spirit or scope of the present invention. All such modifications are intended to be within the scope of the disclosure made herein.

[0021] Unless otherwise indicated, the words and phrases presented in this document have their ordinary meanings to one of skill in the art. Such ordinary meanings can be obtained by reference to their use in the art and by reference to general and scientific dictionaries.

[0022] References in the specification to “one embodiment” indicate that the embodiment described may include a particular feature, structure, or characteristic, but every embodiment may not necessarily include the particular feature, structure, or characteristic. Moreover, such phrases are not necessarily referring to the same embodiment. Further, when a particular feature, structure, or characteristic is described in connection with an embodiment, it is submitted that it is within the knowledge of one skilled in the art to affect such feature, structure, or characteristic in connection with other embodiments whether or not explicitly described.

[0023] The following explanations of certain terms are meant to be illustrative rather than exhaustive. These terms have their ordinary meanings given by usage in the art and in addition include the following explanations.

[0024] As used herein, the term “and/or” refers to any one of the items, any combination of the items, or all of the items with which this term is associated.

[0025] As used herein, the singular forms “a,” “an,” and “the” include plural reference unless the context clearly dictates otherwise.

[0026] As used herein, the terms “include,” “for example,” “such as,” and the like are used illustratively and are not intended to limit the present invention.

[0027] As used herein, the terms “preferred” and “preferably” refer to embodiments of the invention that may afford certain benefits, under certain circumstances. However, other embodiments may also be preferred, under the same or other circumstances.

[0028] Furthermore, the recitation of one or more preferred embodiments does not imply that other embodiments are not useful, and is not intended to exclude other embodiments from the scope of the invention.

[0029] These terms are not meant to limit the elements that they describe, as the various elements may be oriented differently in various applications.

[0030] As used herein, the term “coupled” means the joining of two members directly or indirectly to one another. Such joining may be stationary in nature or movable in nature and/or such joining may allow for the flow of fluids, electricity, electrical signals, or other types of signals or communication between two members. Such joining may be achieved with the two members or the two members and any additional intermediate members being integrally formed as

a single unitary body with one another or with the two members or the two members and any additional intermediate members being attached to one another. Such joining may be permanent in nature or alternatively may be removable or releasable in nature.

[0031] It will be understood that, although the terms first, second, etc. may be used herein to describe various elements, these elements should not be limited by these terms. These terms are only used to distinguish one element from another. For example, a first element could be termed a second element, and, similarly, a second element could be termed a first element without departing from the teachings of the disclosure.

[0032] The invention is directed to a cover to protect doors during construction and painting. Preferably the cover is constructed out of plastic and provided on a roll.

[0033] The door cover is provided in an approximate size and precut to fit the door the cover is placed upon. The cover is enclosed on two adjacent sides so as to be easily slipped over the door. The cover completely covers the door and is secured in place through its inherent weight and gravity. If desired, open ends of the cover can be secured with external tape, such as masking tape, to ensure total coverage and protection. The cover ensures that doors are covered and protected for easy protection from paint and damage.

[0034] Referring to the figures, FIGS. 1-6 show the protective door covering according to the present invention and generally referred to as door cover **10**. The cover **10** is designed for placement around a door to protect the door during activities that may damage, discolor, or mar the door such as remodeling, construction, and painting. The cover **10** is primarily designed to be dispensed on a roll and may be provided in a box. The cover **10** is comprised of a pair of planar surfaces **100** enclosed together on two adjacent sides, one side defining a width of the cover **10** and corresponding generally to the width of a door and a second adjacent side defining a height of the cover **10** and corresponding generally to the height of the door and open on two adjacent sides with an open side **104** opposite the second adjacent side and corresponding generally to the door height and an open bottom side **103** opposite the first adjacent side and corresponding generally to the width of the door and positioned towards the bottom or floor side of an attached door to form the cover **10** for placement over the door.

[0035] Accordingly, the cover **10** has a generally sealed top side **101** correspondingly placed on a top side of a hung door in use, a generally sealed second side **102** adjacent to the top side **101** and placed on an open side of a door during use, an open bottom side **103** opposite the top side **101** and adjacent to the top side **101** and the second side **102**, and an open side **104** opposite the second side **102** and adjacent to the top side **101** and bottom side **103**, the sides **101-104** forming a generally rectangular structural and planar surface corresponding generally to the size of the door the cover is placed upon. The cover **10** is preferably constructed out of a disposable plastic material that offers affordability and protection for a user of the cover **10**.

[0036] In use, the cover **10** is placed upon a door with the top side **101** resting on the top side of a hung door and the sealed second side **102** placed adjacent to the open side of a hung door, wherein the cover **10** is placed over a hung door with the bottom side **103** and open side **104** aligned with the door bottom and side that is hung and affixed to hinges or corresponding wall.

[0037] Preferably, the cover **10** is provided on a roll, wherein the user may select an individual cover **10** from a roll. Accordingly, the user will unroll the cover **10** and open it up from a folded state. The user will then open the door and place the open side **104** around the door moving the cover around the door until it is flush with the hinges of the door. The user may then use tape to secure the cover **10** to the door. Typically, it is not necessary to tape the bottom side **103**, as the cover will naturally drape over and protect the bottom of the door.

[0038] The cover **10** may be assembled or manufactured in various configurations to aid in delivery and use. The preferred method provides for the sealed second side **102** being configured from a fold, wherein the cover **10** is constructed from a larger sheet, folded along a plane corresponding to the position of the second side **102** and sealed along the top side **101**. During use, the open sides **103** and **104** are provided to allow for flexibility in installation and to provide a cover that is applicable to several types and sizes of doors.

[0039] While the invention has been described above in terms of specific embodiments, it is to be understood that the invention is not limited to these disclosed embodiments. Upon reading the teachings of this disclosure many modifications and other embodiments of the invention will come to mind of those skilled in the art to which this invention pertains, and which are intended to be and are covered by both this disclosure and the appended claims. It is indeed intended that the scope of the invention should be determined by proper interpretation and construction of the appended claims and their legal equivalents, as understood by those of skill in the art relying upon the disclosure in this specification and the attached drawings.

What is claimed is:

1. A protective cover, the cover designed to protect a door from damage, the cover adapted for placement over a hung door during use, the cover comprising:

a first side, the first side generally rectangular shaped and having sides defining a width and a height;

a second side, the second side opposite to the first side, the second side generally rectangular shaped and having sides defining a width and a height, the width and height being mirror images of the first side;

the first side and second side adjoined at one side of the width and one side of the height, wherein the first side and second side form a partially enclosed cavity having a thickness, the cavity formed to correspond to the size of the door the cover is placed upon.

2. A protective cover as in claim **1**, wherein the cover is provided on a roll.

3. A protective cover as in claim **1**, wherein the cover is formed from a large sheet.

4. A protective cover as in claim **3**, wherein the sheet is folded along its height and sealed upon one side of its width to form the first side and the second side.

5. A protective cover as in claim **1**, wherein the cover is constructed out of plastic.

6. A protective cover, the cover designed to protect a door from damage, the cover adapted for placement over a hung door during use, the cover comprising:

a first side, the first side generally rectangular shaped and having:

a first first side, the first first side defining a width of the first side, the width corresponding generally to the width of the door;

a second first side, the second first side adjacent to the first first side and defining a height, the height generally corresponding to the height of the door;

a third first side, the third first side adjacent to the second first side and opposite the first first side, the third first side defining a width corresponding to the width of the first first side; and

a fourth first side, the fourth first side adjacent to the third first side and opposite the second first side, the fourth first side defining a height corresponding to the height of the second first side, wherein the first first side, the second first side, the third first side, and the fourth first side define the perimeter of a rectangle, the rectangle generally sized to correspond to the size of the door;

a second side, the second side opposite to the first side and having a shape mirroring the first side, the second side having:

a first second side, the first second side defining a width of the second side, the width corresponding generally to the width of the door and the first first side;

a second second side, the second second side adjacent to the first second side and defining a height, the height generally corresponding to the height of the door and the second first side;

a third second side, the third second side adjacent to the second second side and opposite the first second side, the third second side defining a width corresponding to the width of the first second side; and

a fourth second side, the fourth second side adjacent to the third second side and opposite the second second side, the fourth second side defining a height corresponding to the height of the second second side, wherein the first second side, the second second side, the third second side, and the fourth second side define the perimeter of a rectangle, the rectangle generally sized to correspond to the size of the door and the first side;

the first side and second side adjoined along the first first side and the second first side and second second side, wherein the first side and second side form a pocket, the pocket closed along the first side and the second side and open along the third side and fourth side, wherein the first side is placed upon a top of the door to be protected and the second side is placed adjacent to the open door portion of the door to be protected during use.

7. A protective cover as in claim **6**, wherein the cover is provided on a roll.

8. A protective cover as in claim **6**, wherein the cover is formed from a large sheet.

9. A protective cover as in claim **8**, wherein the sheet is folded along its height to form the second first side and the second second side.

10. A protective cover as in claim **6**, wherein the device is constructed out of plastic.

11. A method of protecting a door using a door cover as is described in claims **1-10**, the method comprising:
aligning the first side with the top of the door to be protected;

aligning the second side with the open portion of the door to be protected;

placing the cover over the door with the first side resting on the top side of the door by pulling the cover over the door until it reaches the hinges of the hung door; and securing the cover to the door as necessary.

12. A method as in claim **11**, wherein the cover is first selected from a roll.

13. A method as in claim **11**, wherein the cover is secured to the door with tape.

* * * * *