H. T. SMALL.

PACKAGE TIE OR HOLDER.

APPLICATION FILED MAR. 28, 1908.

916,208. Patented Mar. 23, 1909.

2 SHEETS—SHEET 1.

FIG. 1.

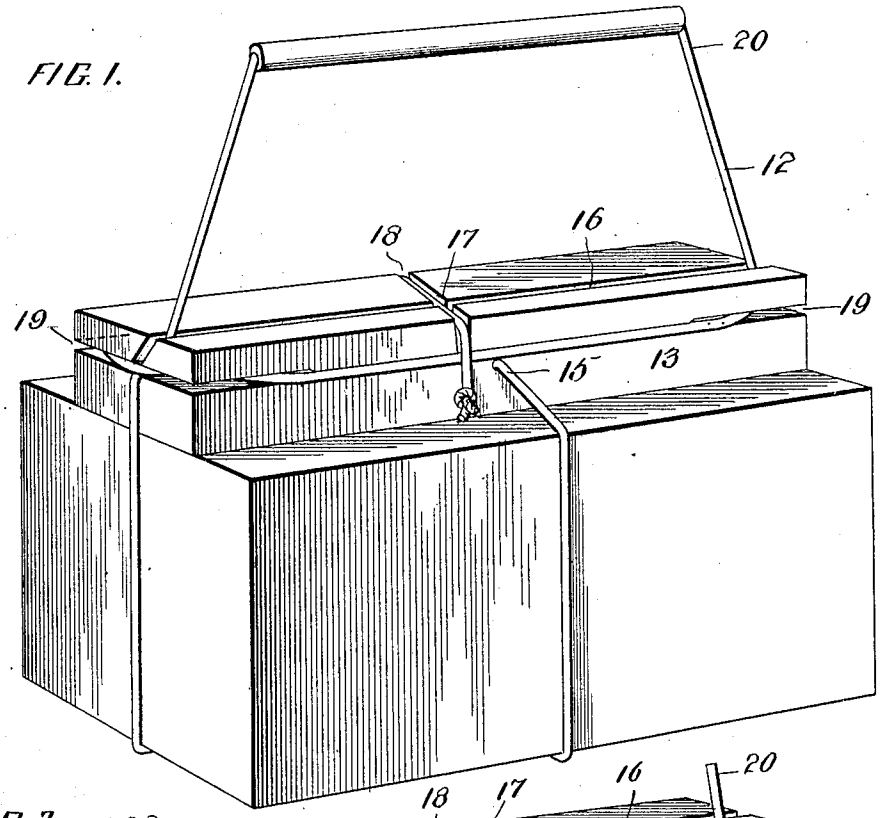


FIG. 2.

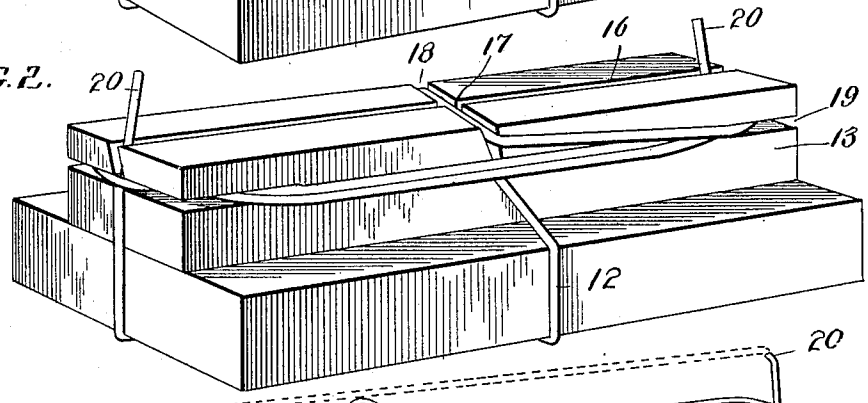
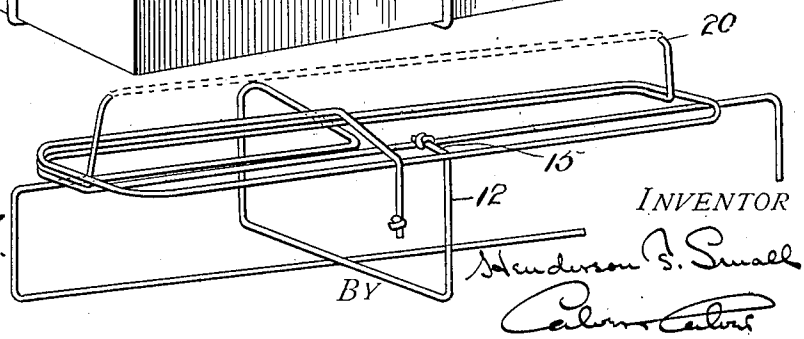


FIG. 3.



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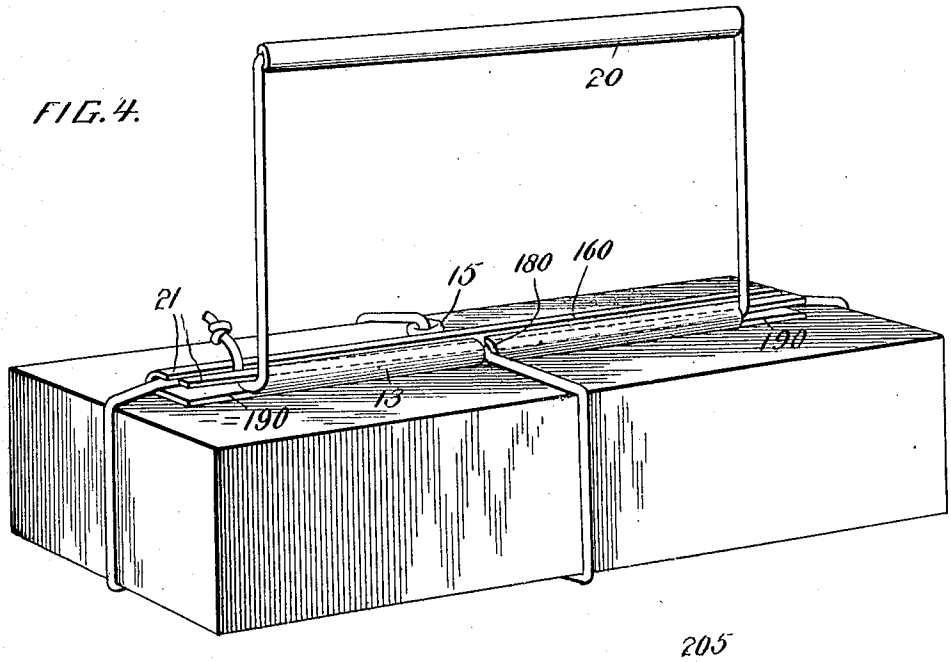
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2 SHEETS—SHEET 2.

FIG. 4.



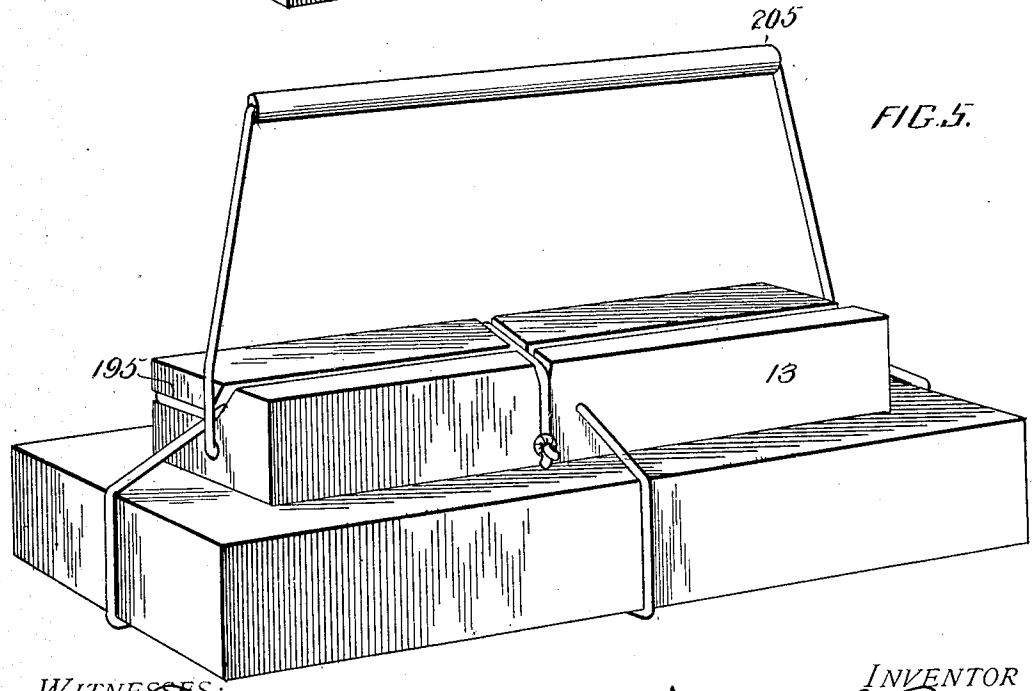


FIG. 5.

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PACKAGE TIE OR HOLDER.

No. 916,208. Specification of Letters Patent. Patented March 23, 1909.

Application filed March 28, 1908. Serial No. 423,849.

To all whom it may concern:

Be it known that I, HENDERSON T. SMALL, a citizen of the United States, residing at Fulton, in the county of Callaway and State of Missouri, have invented or discovered certain new and useful Improvements in Package Ties or Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a device for securing cord, twine, or rope in position about packages, boxes, and the like without the use of knots; and the objects thereof are to provide a device of this character which will be simple and inexpensive in construction, which may be easily and quickly manipulated for the purpose of tying and untying, and which, when in operative position, will tightly and reliably secure the cord or rope in its proper position.

To these ends my invention comprises certain novel constructions and combinations of parts as hereinafter described and particularly pointed out in the claims.

In the accompanying drawings, which illustrate certain constructions in which my invention may be embodied: Figure 1 is a perspective view of one form of my package tie or holder shown in operative position on a package; Fig. 2 is a similar view looking from the rear in Fig. 1; Fig. 3 is a diagrammatic view showing the position of the cord; Fig. 4 is a view similar to Fig. 1 of a modification; Fig. 5 is a similar view of a further modification.

The package tie or holder, as a whole, comprises a cord 12, which may be of any suitable thickness or strength depending upon the conditions under which it is to be used, and a securing device 13. The cord 12 may be permanently secured at 15 to the securing device 13, or the latter may be provided with suitable means for the detachable connection of such cord, as may be desired.

In the form shown in Fig. 1, the securing device 13 is provided, in its upper face, with a longitudinal slit or channel 16 intersected at 17 by a transverse slit or channel 18. The slits or channels 16 and 18 are preferably undercut or inclined to the top surface of the device 13 in order more securely to hold the cord in position. These slits or channels may, where the securing device is constructed of wood, as in Figs. 1 and 5, be made in the form of saw kerfs, and will preferably be of a width corresponding to or slightly less than the thickness of the cord employed. At its ends the corners of the securing device 13 are provided with additional cord receiving slits or channels 19, 19, similar to the slits or channels 16 and 18, and lying in a plane intersecting the planes of said slits or channels 16 and 18. The cord 12 is preferably provided with a handle 20 slidably mounted thereon whereby a suitable portion of the cord may be employed as a carrier for the package.

With the construction just described the operation of tying a package is as follows: The cord 12, from its point of attachment 15 with the securing device 13, is first passed laterally about the package, thence into the slit or channel 18 to the point 17, thence into the slit or channel 16 to the end of the securing device 13, thence longitudinally about the package, thence into the slit or channel 16 for its entire length and pulled tight, thence into the adjacent slit or channel 19 and longitudinally of the device 13 to the opposite slit or channel 19. The package is now tied, the binding or wedging action of the cord in the various slits or channels being amply sufficient to hold the parts in position. In order, however, to provide a carrier for the package the following operations are performed:—The cord 12 is brought upwardly out of the slit 19 into which it was last entered, through the end of the channel 16, and the handle 20 slid down adjacent that point. Then, having a suitable amount of slack in the cord to serve as a carrier, the cord is passed downwardly through the opposite end of the slit 16 and is given a complete turn longitudinally about the device 13, passing through all of the channels 19, thereby binding in the ends of the carrier portion of the cord and still further wedging or securing the tying portion of the cord in position.

In Fig. 4 I have illustrated a somewhat similar construction made of metal. In this figure the securing device 13 comprises a strip of sheet metal provided with an integral or suitably attached eye 15 for the attachment of the cord and having its edges 21 turned upwardly and inwardly to have between them a longitudinal cord receiving slit or channel 160. A transverse slit or channel is provided at one side of the device by a notch 180 in one of the upturned edges 21. End cord receiving slits or channels, corresponding to the slits or channels 19 in

the construction illustrated in Fig. 1, are provided at one side only of the device by elongated tapering notches 190 in one of the upturned edges 21. The cord is preferably provided with a slidably mounted handle 20 as in the construction last described.

In order to use the device just described the cord from the eye 15 is passed transversely about the package, thence through the notch 180, thence along the slit or channel 160 to the end of the device 13, thence longitudinally about the package, thence along the channel 160, and secured in place by wedging the same into the adjacent notch 190. The end of the cord is then wedged into the opposite notch 190, sufficient slack, upon which the handle 20 is placed, being left to form a carrier.

The construction shown in Fig. 5 is substantially similar to that illustrated in Fig. 1 with the exceptions that, in place of the handle 20 slidably mounted on the cord 12, a handle or carrier 205 is permanently secured to the securing device 13, while end-cord-receiving slits or channels 195 are provided at one side of the device only. This device is used substantially the same as that shown in Fig. 1 for the purpose of tying a package, no further manipulation however being necessary in order to provide a carrying handle.

While I, in order that my invention may be readily understood, have shown and described the same as embodied in certain particular constructions, I wish it to be clearly understood that I do not limit myself to any of the precise constructions shown, it being obvious that many changes might be made therein without departing from the spirit of and scope of my invention.

In this connection it is to be noted that I have shown and described my invention as embodied in a package holder or carrier, and to this end have provided the device with a suitable handle, although it will be obvious that many features of the invention will be useful in connection with a package tie alone, and I therefore consider the omission of the carrying handle to be well within the scope of my invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A device of the character described comprising a cord, a securing device consisting of a single piece of material to which one end of said cord is attached, and which is provided with means to hold said cord in place about a package and to fasten its free end, and a handle slidably mounted on said cord.

2. In a device of the character described, the combination with a cord, of a securing device to which one end of said cord is attached, and which is provided with longitudinal and transverse slits or channels adapted to receive said cord in its passage longitudinally and transversely about a package and which is provided with additional means for securing the free end of said cord after its passage about the package, and a handle slidably mounted on said cord.

3. A package tie comprising a securing device provided with longitudinal and transverse cord receiving slits or channels, and having in its ends additional cord-receiving slits or channels lying in a plane intersecting the planes of said first-named slits or channels, and a cord one end of which is attached to said securing device and the free end of which may be fastened by being drawn into one of said slits or channels.

In testimony whereof I affix my signature, in presence of two witnesses.

HENDERSON T. SMALL.

Witnesses:

J. W. Barron,

Wood Black.