No. 806,229. PATENTED DEC. 5, 1905.

W. G. YOUNG.

SECURING DEVICE FOR TAGS.

APPLICATION FILED OCT. 8, 1903. RENEWED SEPT. 27, 1905.

Fig. 1.

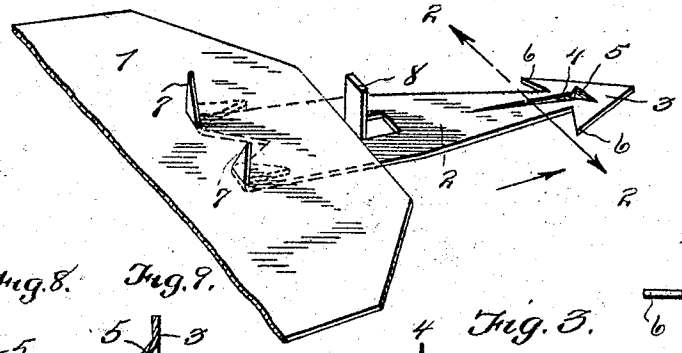


Fig. 2.

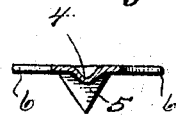


Fig. 3.

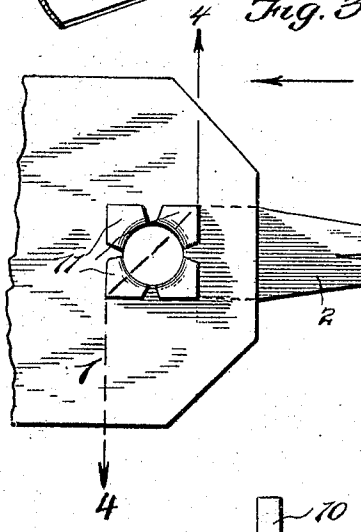


Fig. 4.



Fig. 6.

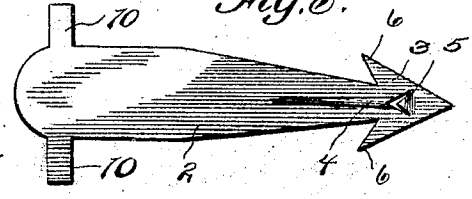


Fig. 8.

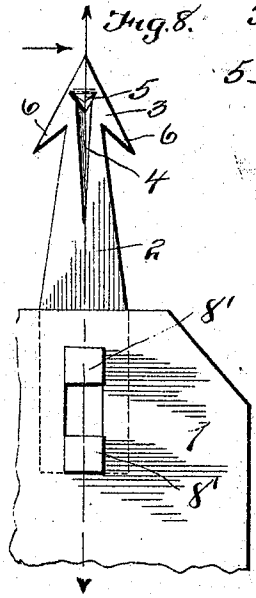


Fig. 9.

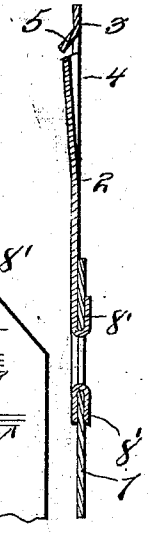


Fig. 5.

Fig. 10.

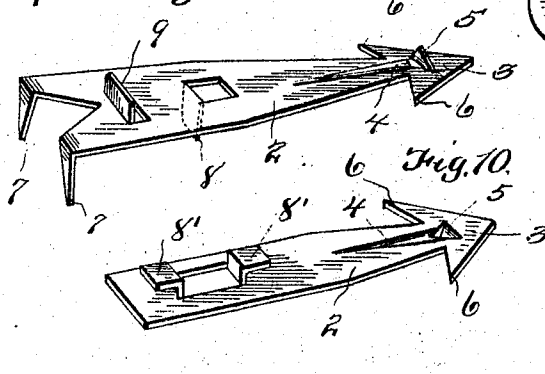
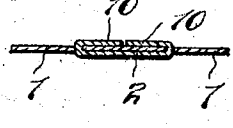


Fig. 7.



Witnesses

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UNITED STATES PATENT OFFICE.

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SECURING DEVICE FOR TAGS.

No. 806,229. Specification of Letters Patent. Patented Dec. 5, 1905.

Application filed October 8, 1903. Renewed September 27, 1905. Serial No. 280,364.

To all whom it may concern:

Be it known that I, WILLIS G. YOUNG, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Securing Devices for Tags; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to securing devices, and more particularly to means for anchoring a tag upon an object, as upon a piece of meat, or the covering containing various kinds of goods for shipment, or upon bales of cotton, hay, and, in fact, to all similar purposes; and my invention consists of certain novel constructions, as will be hereinafter fully described, and pointed out in the claims hereunto appended.

The prime object of my invention, among others, is to provide a reliable form of anchor, one end of which is adapted to be easily and permanently connected to a tag or designating-paper, while the other end may be thrust bodily into a piece of meat or into a cotton-bale, as hereinbefore suggested.

Other objects and advantages will be hereinafter clearly set forth in the following specification, which will be considered in connection with the accompanying drawings, wherein—

Figure 1 shows my invention ready for being connected to an ordinary shipping-tag. Fig. 2 is a transverse section on line 2 2 of Fig. 1. Fig. 3 is a plan view of my invention, showing the same connected to an ordinary shipping-tag in a slightly-different way from that illustrated in Fig. 1. Fig. 4 is a sectional view on line 4 4 of Fig. 3. Fig. 5 is a perspective detail view of a further modification of my anchoring device separated from the tag. Fig. 6 is a plan view showing a slightly-different construction. Fig. 7 shows a transverse section through the body portion and anchoring-tongues of the device illustrated in Fig. 6 after it has been attached to a tag. Fig. 8 shows a plan view of an additional means for securing my anchoring device to the tag. Fig. 9 is a longitudinal central section of Fig. 8 on line 9 9, while Fig. 10 shows a perspective view of the device illustrated in Fig. 8 as separated from the card, with the anchoring-tongues bent in position to clamp the card or tag.

Referring to the numerals on the drawings, 1 designates a shipping-tag of the usual or any preferred construction, to which I attach my anchoring device, designed to hold said tag firmly in place upon any object. My anchoring device consists of a piece of suitable sheet metal of any preferred variety comprising the body-section 2, one end of which is shaped into an arrow-head 3 by properly reducing the contiguous portion of said body-section at its point of union with said head, and in order to reinforce the neck or reduced portion, whereby it will be greatly strengthened, I form therein a longitudinally-disposed rib 4, as more clearly shown in Fig. 2.

At the outer end of the rib 4 I strike up or down a tongue or lip 5, as fully illustrated, said struck-down portion or lip 5 being designed to coöperate with the angular or pointed shoulders 6 of the arrow-head and hold the same against casual withdrawal after once being inserted in a piece of meat or other object. The other end of the body portion 2 is preferably formed with the anchoring-points 7 and 8, the latter being struck down out of a portion of the body-section and adapted to be bent back upon the body-section after the tag 1 has been interposed. In like manner the anchoring-points 7 are also bent back upon the body-section upon an interposed portion of the tag after said points shall have been forced through the tag, as more fully shown in Fig. 1. In some instances I also strike up the lip 9, which is left standing at right angles to the body portion and thereby affords a thumb-stop for more readily forcing the arrow-head into the object to which the tag is to be attached. It will be understood that the body portion may, however, be connected to the tag in a variety of ways, as by providing said body portion near its free end with the outwardly-directed integral tongues 10, which when bent at right angles and inserted through the tag may be bent down thereupon, as more clearly shown in Fig. 7.

As an additional means for enabling a perfect and reliable connection to be made between the anchoring device and the tag carried thereby the lips 8′ may be struck up from the body-section 2 of the anchoring device, and said lips are thus adapted to enter suitably-formed slits in the tag and then be bent

down upon and parallel with a contiguous part of the body-section, thereby securely engaging the interposed section of the tag and reliably holding it in position.

Inasmuch as I have thus illustrated a variety of ways for connecting the tag to the anchoring device, I deem it unnecessary for the purpose of this application to present other forms of union for said parts, and the means of uniting them as herein presented are but an illustration of a great variety of ways, and I therefore desire to comprehend in this application every substantial equivalent of the means herein set forth.

In Fig. 3 I have shown the body portion 2 as being secured to the tag by forming a hole near the free end of the tag and directing the particles of sheet metal into or through a contiguous part of the tag and clenching the same, inasmuch as the edges of the aperture forced downward will be of sufficient extent when bent back upon the body portion to afford a reliable means of union between the tag and said body, the struck-down edges being designated by the numeral 11 in Figs. 3 and 4, this means of uniting the card to my anchoring device being clearly set forth in my official Letters Patent of the United States granted to me and numbered 709,386.

It will be understood that the length of the rib 4 may be of any desired extent deemed necessary to provide a rigid reinforcement for the neck by means of which the head 3 is connected to the body 2, and while said neck may be formed of thin sheet metal it will possess the requisite degree of rigidity to enable it to reliably perform its office.

By striking up the lip or tooth 5 within the arrow-head much greater anchoring efficiency is imparted thereto, inasmuch as three points of resistance will be presented against withdrawal instead of two in the absence of the tooth 5.

Other equivalent forms of anchoring-teeth 5 may be employed, as is obvious, without departing from the scope of my invention.

It is obvious that the tag 1 may be of any desired size and adapted to contain any desired data, and my tag complete will be found to be very desirable and useful for a great variety of purposes.

My shipping-tag and anchoring device complete may be cheaply manufactured, and since no special auxiliary tool will be required to thrust it into the object to which it is to be applied it may be used for all purposes and under all circumstances for which a shipping or designating tag is desirable, and while I have described the preferred construction of the various parts of my invention I wish to comprehend such substantial equivalents and substitutes as may be fairly comprehended in the scope thereof as defined in the appended claims.

Believing that the advantages and manner of using my improved tag have thus been made clearly apparent, further description is dispensed with.

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

1. The herein-described anchoring device for shipping-tags comprising a body portion 2 having the arrow-shaped anchoring-head proper 3 provided with a tongue 5 struck up therefrom, and a reinforcing-rib 4 formed in the neck thereof to give the desired rigidity, and extensions on the opposite end of the body portion adapted to be bent into engagement with a shipping-tag or other data-carrying device, all substantially as specified and for the purpose set forth.

2. An anchoring device for shipping-tags or the like comprising the body portion 2 terminating at one end in an arrow-shaped head provided at its weakest point with a longitudinally-disposed reinforcing-rib, said arrow-head having an extra tooth 5, the opposite end of the body being bifurcated, each branch being adapted to be bent into engagement with a data-bearing card, as set forth.

3. The herein-described device for connecting a tag to an object, consisting of the body portion 2 having means at one end to secure it to the object, and at the other end, suitable anchoring-points formed integral therewith and adapted to secure said body portion to the tag and a lip 9 struck from said body portion and bent at right angles thereto to form a handle whereby force may be applied to more readily force said securing means into the object, substantially as and for the purpose set forth.

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

WILLIS G. YOUNG.

Witnesses:
O. L. PARSONS,
CLARA KEURICK.