A. H. FLEMING.

PACKAGE TIE.

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963,884.

Patented July 12, 1910.

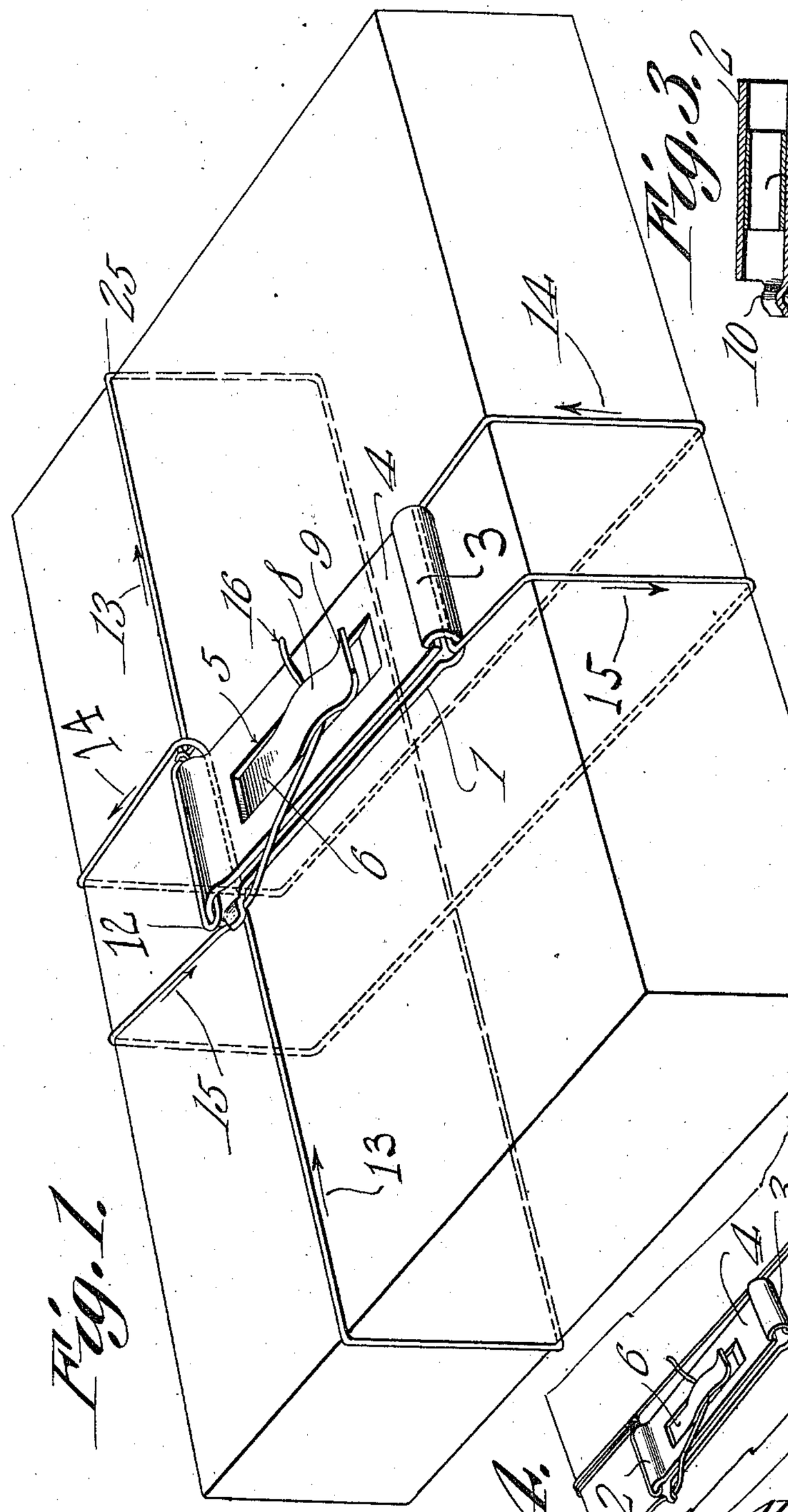

Fig. 1.

Fig. 3.

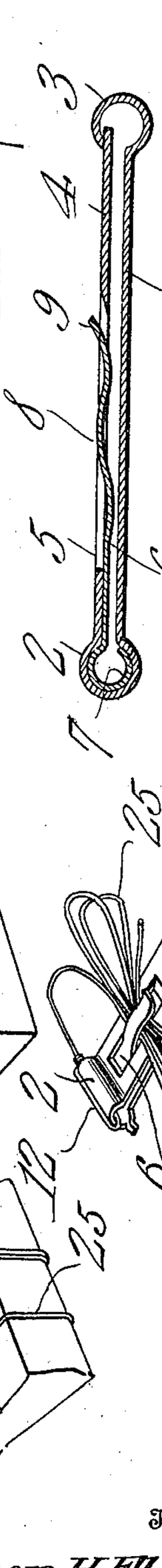

Fig. 2.

Fig. 5.

Fig. 4.

Witnesses

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ALLISON H. FLEMING, OF FAIRMONT, WEST VIRGINIA.

PACKAGE-TIE.

963,884. Specification of Letters Patent. **Patented July 12, 1910.**

Application filed September 7, 1909. Serial No. 516,381.

To all whom it may concern:

Be it known that I, ALLISON H. FLEMING, a citizen of the United States, residing at Fairmont, in the county of Marion and State of West Virginia, have invented a new and useful Package-Tie, of which the following is a specification.

The objects of the invention are, generally, the provision in a merchantable form, of a device of the above-mentioned class, which shall be inexpensive to manufacture, facile in operation, and devoid of complicated parts; specifically, the provision of a clip for a package tie binder, adapted to retain the binder about a package, in a novel and improved manner, the clip being adapted to retain the binder coiled up and in compact form when the binder is not in use; other and further objects being made manifest hereinafter as the description of the invention progresses.

The drawings illustrate but one form of the invention, and it is to be understood that changes, properly falling within the scope of what is claimed, may be made, without departing from the spirit of the invention.

Similar numerals of reference are employed to denote corresponding parts throughout the several figures of the drawings, in which,

Figure 1 shows my invention in perspective, assembled with a package of mail matter or the like; Fig. 2 is a longitudinal section of the clip proper; Fig. 3 is a transverse section of the clip through the eye thereof; Fig. 4 is a perspective showing the invention applied to a package to serve as a two-way binder; and Fig. 5 is a detail perspective designed to show the manner in which the clip is effective to hold the binder in compact form, when the binder is not in use.

In carrying out my invention, I provide, primarily, a clip comprising a body portion 1, fashioned from a single strip of resilient metal, bent upon itself into loop shape. At one end, the body 1 is enlarged to form an eye 2, and at the other end to form a hook 3, which is adapted to engage the movable end of a depressible resilient tongue 4. The tongue 4 is provided with a longitudinally extending slot 5, adapted to receive an auxiliary tongue 6, the free end of which is adapted to move in the slot 5, the fixed end of the auxiliary tongue 6 being carried, beneath the tongue 4 and bent upon itself at 7 within the eye 2 of the body 1, thus securing the auxiliary tongue 6 in place. Intermediate its ends, the auxiliary tongue 6 is convexed upwardly to form a seat 8, adapted to receive the binder, and the free extremity of the auxiliary tongue 6 is bent upwardly, as denoted by the numeral 9, to fashion a binder receiving lip.

The eye 2 of the body is provided at one end, with a laterally extending lug 10, preferably fashioned integral with the eye, and bent, or otherwise disposed, to form in its lower face, a notch 11.

In applying the device to a package, the binder 25, which may be a flexible cord or the like, is looped at one end, as denoted by the numeral 12, to engage the eye 2 of the body 1. The free end of the binder is then carried around the package as denoted by the arrows 13, passed beneath the body 1 of the clip and over the first convolution of the binder, adjacent the loop 12. The binder is then carried as denoted by the arrows 14, around the package, at right angles to the first convolution, and passed through the hook 3, and thence, carried around the package as denoted by the arrows 15, parallel to the convolution last formed. The binder, having completed the convolution denoted by the arrows 15, is carried beneath the lug 10 and made to engage the notch 11 thereof, the binder, thence being carried diagonally across the upper face of the tongue 4, engaged by the binder receiving lip 9 of the auxiliary tongue 6, and forced between the tongue 4 and the auxiliary tongue 6, to register in the seat 8 of the auxiliary tongue 6. In this position, the binder, being forced downwardly by the auxiliary tongue 6 into the slot 5 of the tongue 4, will be held securely in position.

It is obvious that the lug 10 serves to retain in place the convolution denoted by the arrows 15, and that the resilient tongue 4 serves to close the hooked portion 3 of the body, the auxiliary tongue 6, serving to retain the end 16 of the binder in place.

If desired, the binder may be disposed as shown in Fig. 4 to serve as a two-way tie.

When the device is not in use, the binder may be coiled up, as shown in Fig. 5, and retained by the auxiliary tongue 6, the clip and the binder thus being disposed in compact form, and ready for use.

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

1. A clip fashioned from a single piece of resilient metal bent into loop shape to form a depressible resilient tongue and a hook to engage the tongue; and a resilient auxiliary tongue mounted longitudinally upon the first-named tongue.

2. A clip fashioned from a single piece of metal bent into loop shape to form a depressible resilient tongue and a hook to engage the tongue; and a resilient auxiliary tongue mounted longitudinally upon the first-named tongue; the clip being provided at one end, with a laterally extending lug.

3. A clip fashioned from a single piece of metal bent into loop shape, to form an eye at one end of the clip and a hook at the other end thereof, one part of the clip constituting a depressible resilient tongue engageable by the hook and provided with a longitudinally extending slot, the eye being provided with a laterally extending lug having a notch in its lower face; an auxiliary tongue disposed in the slot, and having one of its extremities bent to fit in the eye of the clip, the auxiliary tongue being upwardly convexed in its intermediate portion to form a seat, and being terminally upbent to form a binder receiving lip.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALLISON H. FLEMING.

Witnesses:

E. HUME TALBERT,

ARLINGTON FLEMING.