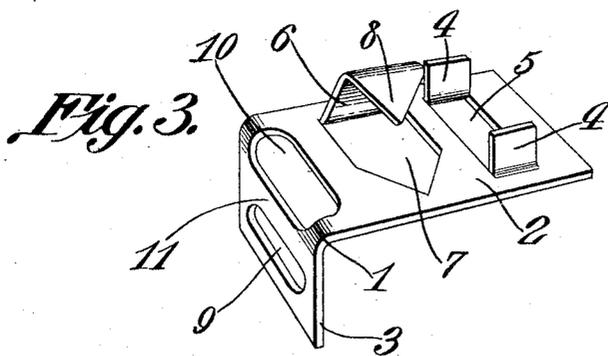
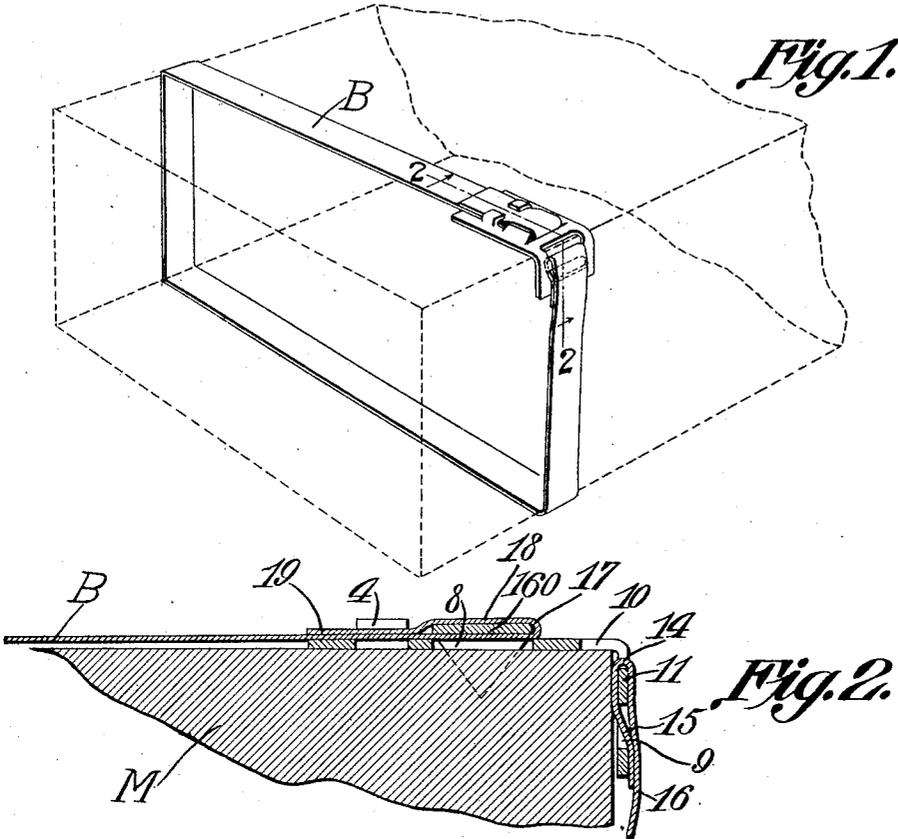


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 BALING TIE BUCKLE.  
 APPLICATION FILED MAR. 31, 1914.

1,226,876.

Patented May 22, 1917.



Witnesses  
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# UNITED STATES PATENT OFFICE.

GEORGE W. FURTH, OF CLEVELAND, OHIO.

## BALING-TIE BUCKLE.

1,226,876.

Specification of Letters Patent.

Patented May 22, 1917.

Application filed March 31, 1914. Serial No. 828,601.

*To all whom it may concern:*

Be it known that I, GEORGE W. FURTH, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a new and useful Baling-Tie Buckle, of which the following is a specification.

The device forming the subject matter of this application is a bale tie buckle and the invention aims to improve devices of this type, among other particulars, by providing in certain combinations hereinafter set up, a binder receiving arm having a prong which passes through one portion of the binder and enters the material for the double purpose of holding the buckle and the binder on the material.

It is within the scope of the invention to improve generally and to enhance the utility of devices of that type to which the present invention appertains.

With the above and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed can be made within the scope of what is claimed without departing from the spirit of the invention.

In the accompanying drawing:—

Figure 1 shows the buckle constituting the subject matter of the present invention in place upon the material and assembled with a material-encircling binder;

Fig. 2 is a longitudinal section of the bundle on the line 2—2 of Fig. 1 and showing the binder assembled therewith;

Fig. 3 is a perspective of the buckle.

The bale tie buckle herein disclosed is fashioned from a flat plate of metal bent transversely as indicated at 1 to form angularly disposed main and auxiliary flanges 2 and 3. Bendable, upstanding, oppositely disposed fingers 4 are struck from the main flange 2, these fingers 4 defining an opening 5 in the said flange. An arm 6 is struck from the main flange 2, the arm 6 extending transversely of the main flange. The arm 6 is pointed at its free end and the opening 7 formed by the striking out of the arm 6 corresponds in contour to the arm. The pointed end of the arm 6 is bent to form a depending, pointed prong 8, the arm 6 standing at an acute angle to the flange 2

before the application of the binder to the buckle. In the auxiliary flange 3 a binder-receiving opening 9 is formed and a binder-receiving opening 10 is formed at the juncture between the flanges 1 and 2, the openings 9 and 10 cooperating to define a binder-holding cross bar 11.

The binder is indicated generally by the reference character B. One end of the binder is passed downwardly through the hole 10 and out through the hole 9 from the back as indicated at 15, the extremity of the binder extending slightly below the lower edge of the flange 3. The binder is then bent as shown at 14 across the upper edge of the cross bar 11 and is carried around the bundle M at 16. The outer end of the binder is brought between the upstanding fingers 4 and beneath the arm 6 of the spur 8, as shown at 160. The spur 8 is driven through the binder B and the latter is bent as shown at 17, across the edge of the arm 6 and is carried back as shown at 18 across the top of the arm 6 and between the upstanding fingers 4. The fingers 4 are then closed over the two thicknesses of the binder B and the latter is severed from the coil of band iron to form a free end 19.

It is to be observed that the prong 8 serves to hold one end of the binder in place, after the same has been passed beneath the arm 6 and, further, since the prong 8 enters the material M as shown in Fig. 2, both the binder B and the buckle proper are held in place upon the material.

The device forming the subject matter of this application may be described briefly as including a buckle fashioned from a flat plate bent to form angularly disposed main and auxiliary flanges 2 and 3 respectively. The auxiliary flange 3 has an aperture 10, and the main flange 2 has a transverse arm 6 struck therefrom to define an opening 7. The arm 6 terminates in a depending prong 8 extended downwardly through the opening 7 below the lower face of the main flange 2. Spaced upstanding fingers 4 are struck from the main flange 2 adjacent its free end. The fingers 4 are bendable to retain the bale band B, and to hold the band in the path of the prong 8, whereby the prong will pierce the band B and enter the material M wherewith the band B is assembled. The aperture 10 constitutes a means for retaining one end of the band B as clearly shown in Fig. 2.

Having thus described the invention, what is claimed is:—

5 In a device of the class described, a buckle fashioned from a flat plate bent to form angularly disposed main and auxiliary flanges, the auxiliary flange having an aperture adapted to retain one end of a bale-band, the main flange having a transverse arm struck therefrom to define an opening, the  
10 arm terminating in a depending band-piercing prong extending downwardly through the opening and projecting below the lower

face of the main flange, there being spaced upstanding fingers struck from the main flange adjacent its free end, the fingers being bendable to retain a bale-band, and to hold the band in the path of the prong. 15

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

GEORGE W. FURTH.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."