

No. 828,339.

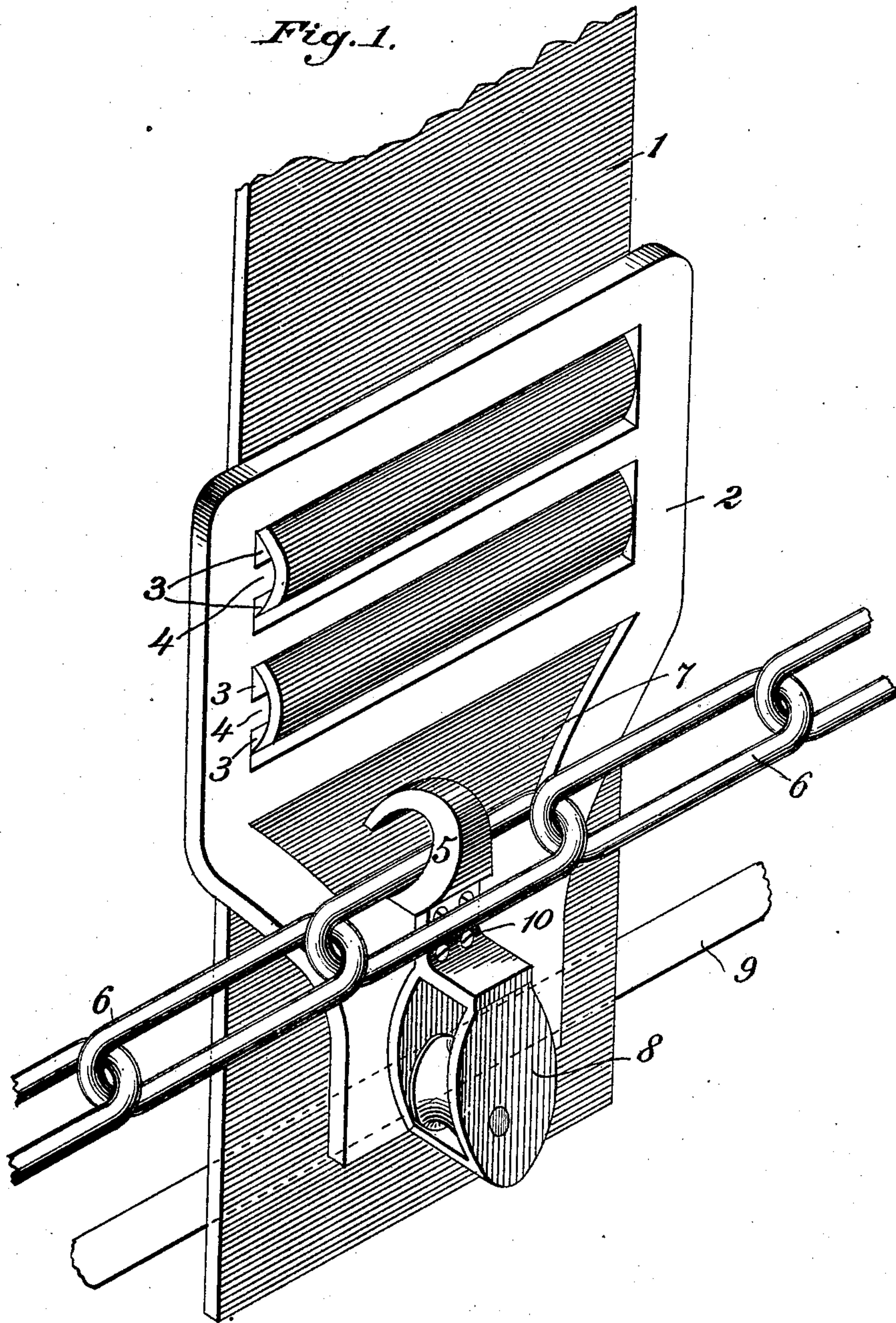
PATENTED AUG. 14, 1906.

J. L. REYNOLDS.  
BACK BAND BUCKLE AND PLOW LINE SUPPORTER.

APPLICATION FILED OCT. 21, 1905.

2 SHEETS—SHEET 1.

*Fig. 1.*



Witnesses:

George B. Reynolds,  
John S. Reynolds Jr.

Inventor:

James L. Reynolds



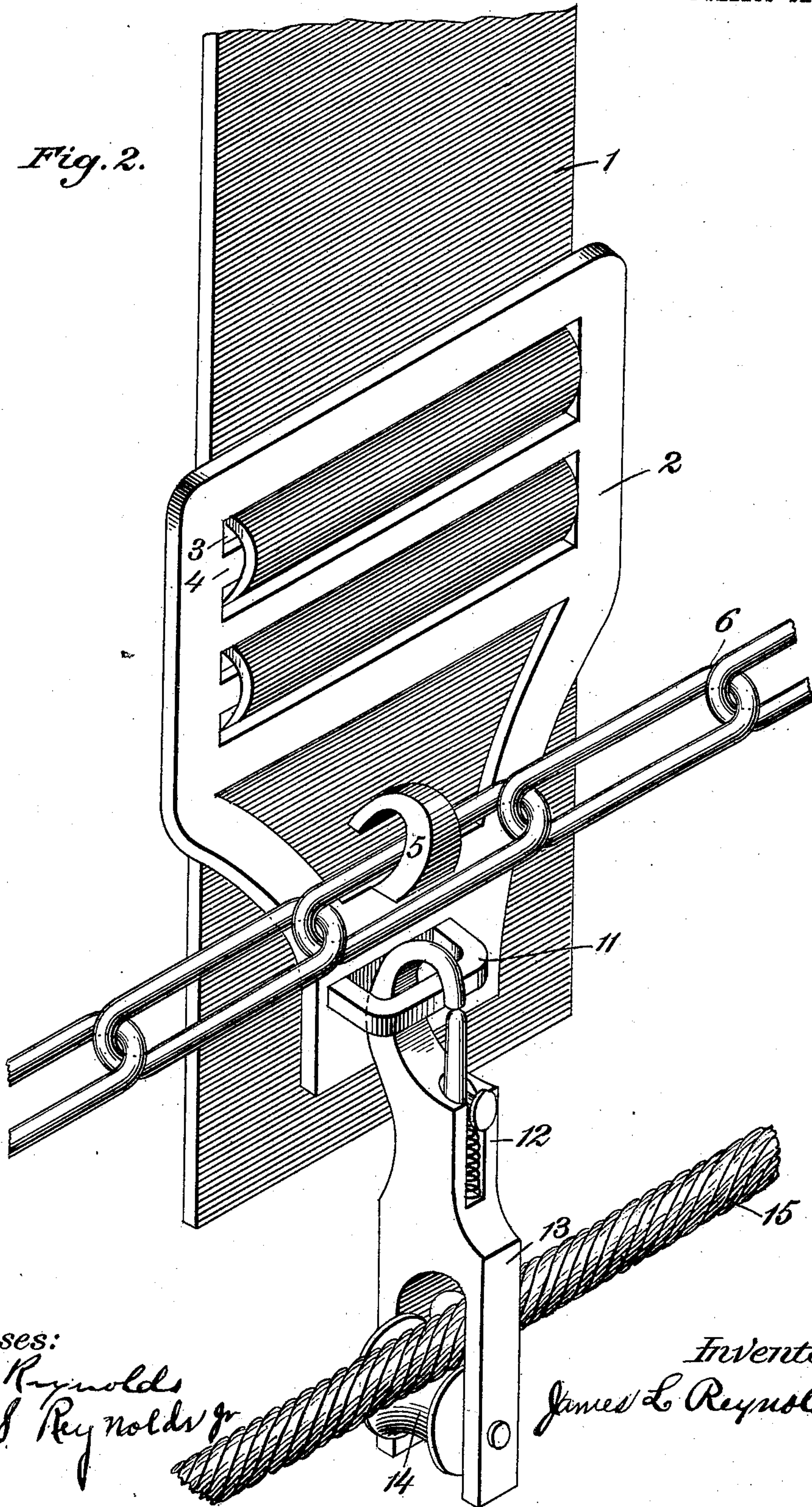
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2 SHEETS—SHEET 2.

*Fig. 2.*



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# UNITED STATES PATENT OFFICE.

JAMES L. REYNOLDS, OF CHAVIS, SOUTH CAROLINA.

## BACK-BAND BUCKLE AND PLOW-LINE SUPPORTER.

No. 828,339.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed October 21, 1905. Serial No. 283,859.

*To all whom it may concern:*

Be it known that I, JAMES L. REYNOLDS, a citizen of the United States, residing at Chavis, in the county of Edgefield and State of South Carolina, have invented certain new and useful Improvements in Back-Band Buckles and Plow-Line Supporters, of which the following is a specification.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view showing the invention applied to a back-band, parts broken away. Fig. 2 is a perspective view including a modification of the invention.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

This invention relates to harness attachments; and it consists of a buckle adapted to be applied to the back-band of harness and particularly designed for use in plowing operations. The buckle is provided with a hook or similar member to engage a link of the trace-chain and includes also a special supporting member to receive a plow-line.

Referring to the drawings, the numeral 1 designates a back-band, and the numeral 2 the body of the buckle, which is secured thereto. The buckle 2 preferably comprises a plate the upper portion of which is provided with openings 3, through which the back-band 1 is passed, said openings 3 having cross-bars 4 spanning the same transversely thereof to coact with the back-band, so as to properly hold the buckle at a predetermined adjustment thereon. Below the openings 3 is formed an outwardly-projecting hook 5, which is preferably integral with the plate comprising the body of the buckle 2, said hook being adapted to engage a link of the trace-chain 6 to secure the latter to the buckle. The mouth of the hook 5 is located adjacent the opening 7 in the body of the buckle, and said hook is thus arranged to admit of ready connection of the link of the trace-chain 6 therewith; but said link when arranged in a position parallel with the outer side of the body of the buckle will be prevented from displacement in a manner which will be readily evident.

Just below the hook 5 is arranged the plow-

line-supporting means, and the same comprises a small sheave or pulley 8, secured to the lower portion of the buckle 2 in such a way as to permit ready passage and movement of the plow-line 9 (shown in dotted lines in Fig. 1) therethrough. The pulley or sheave 8 is secured to the buckle 2 by an extension 10 at the upper end thereof, the latter being detachably connected with the buckle by means of screws or similar fastenings.

In the modified embodiment of the invention shown in Fig. 2 the parts are substantially the same, with the exception of the plow-line-supporting means. In this instance a rigid loop 11 projects outwardly from the outer side of the buckle 2 just below the hook 5. This loop is adapted to be engaged by a snap-hook 12, the shank of which is enlarged, as shown at 13, so as to admit of ready mounting of the pulley or wheel 14 therein. In this instance the plow-line is indicated at 15 and passes through the shank of the hook 12, running over the pulley 14, above described. The loop 11 may be either separably or integrally formed with the plate forming the body of the buckle 2.

The construction of my device wherein the sheave or pulley supporting means is made detachable from the back-band buckle is of important advantage so far as the practical and commercial value of the invention is concerned. In plowing operations the back-band buckle is likely to strike some object or be damaged through contact with something in the path of its movement and is frequently broken in this way. Should applicant's pulley or sheave holding means be broken, it will be readily seen that substitute means may be readily placed in position simply by detaching the member 10 or disconnecting the hook 12, as the case may be. The back-band buckle does not, therefore, have to be thrown away, giving rise to the loss and trouble which would be incident. Furthermore, speaking particularly with reference to the construction in Fig. 2, it will be obvious that in unharnessing the draft-animals from the plow it is only necessary to disengage the member 12 from the back-band buckle when it is desired to detach the plow-line from connection therewith. The member 12 may be quickly connected with the back-band buckle or disconnected therefrom in harnessing and unharnessing, respectively, and this is a meritorious feature of the invention which will be readily appreciated. The location of



the sheave or pulley supporting means below the hook 5 is advantageous, as it minimizes the wear incident to the use of the plow-lines to the greatest possible extent.

5 Having thus described the invention, what is claimed as new is—

1. In combination, a back-band buckle provided with means for securing the same to the back-band, a horizontally-arranged  
10 loop integrally formed with the buckle and projecting outwardly therefrom, a pulley or sheave support comprising a body provided at its upper end with a snap-hook connected  
15 of the body being bifurcate, and a pulley or

sheave journaled in the bifurcate portion aforesaid as specified.

2. In combination, a back-band buckle, a trace-chain hook projecting outwardly therefrom, a loop extending from the outer side of 20 the buckle, a snap-hook having detachable connection with said loop, and a pulley or sheave supported by said snap-hook.

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

JAMES L. REYNOLDS. [L. s.]

Witnesses:

JOSEPH W. BEASLEY,  
HENRY S. JONES.