

J. M. BROWN.  
BUCKLE.  
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950,992.

Patented Mar. 1, 1910.

Fig. 3.

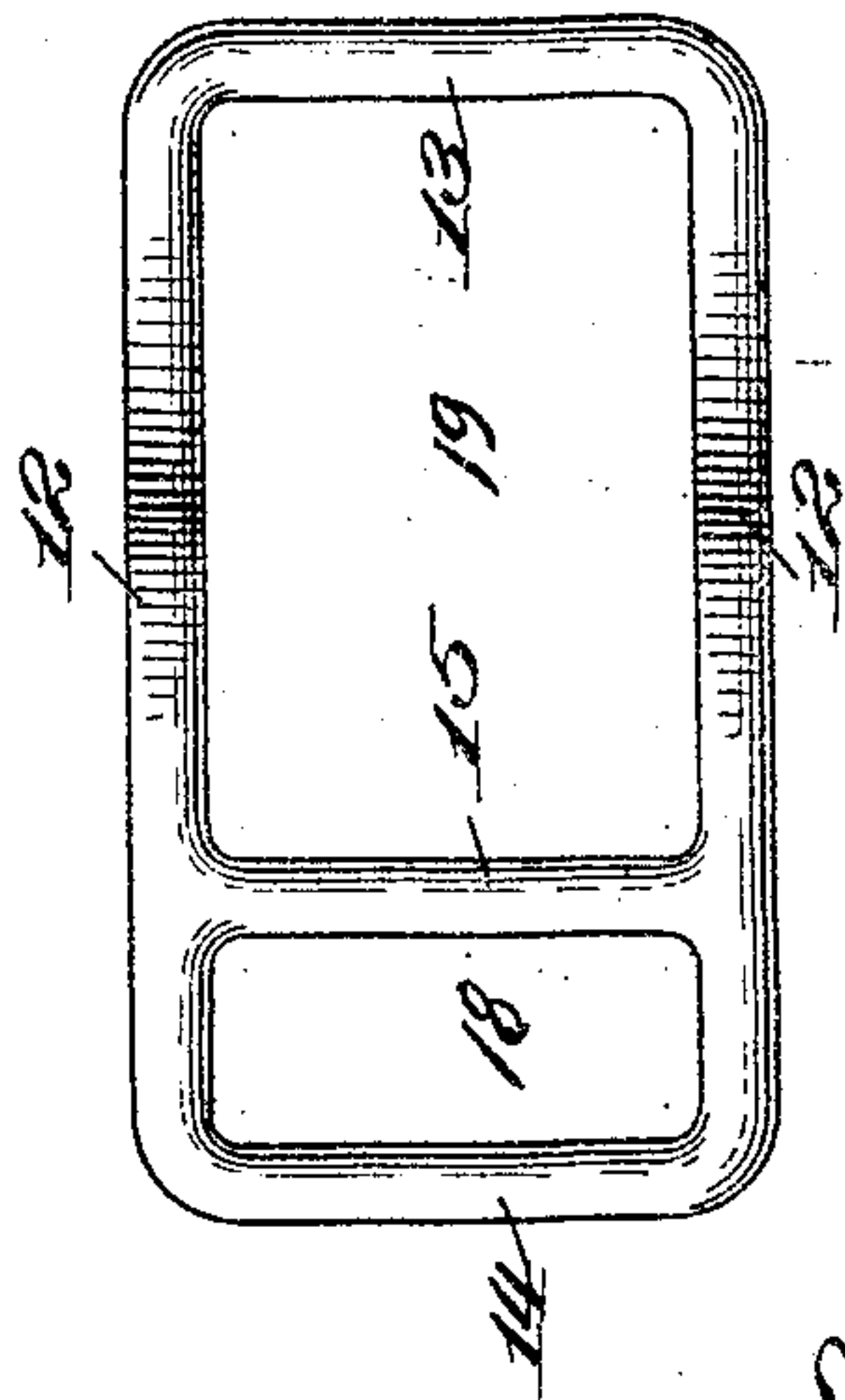


Fig. 1.

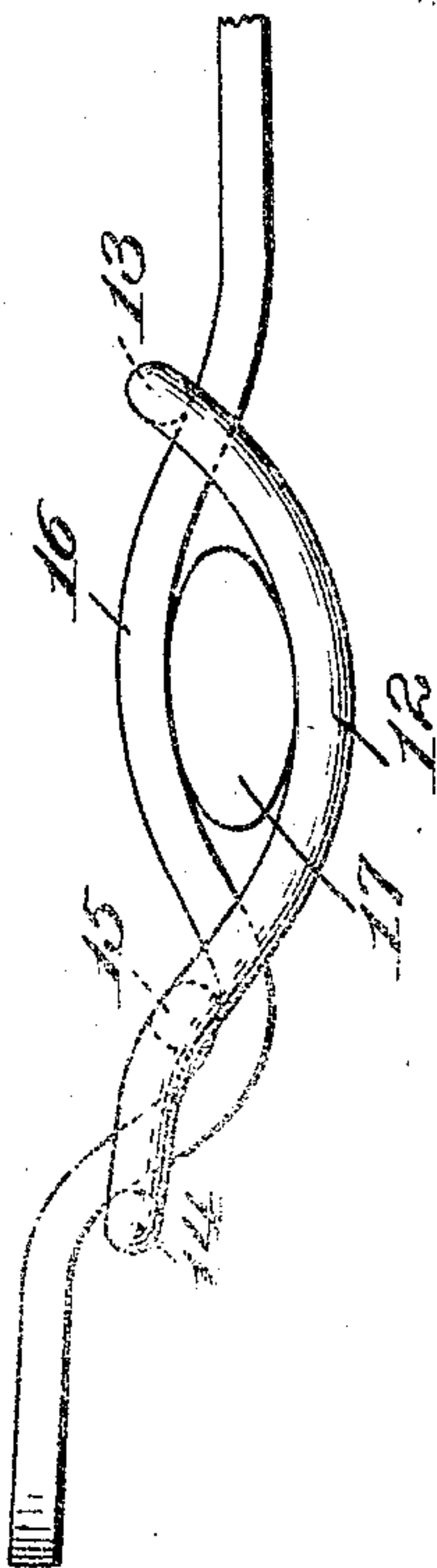
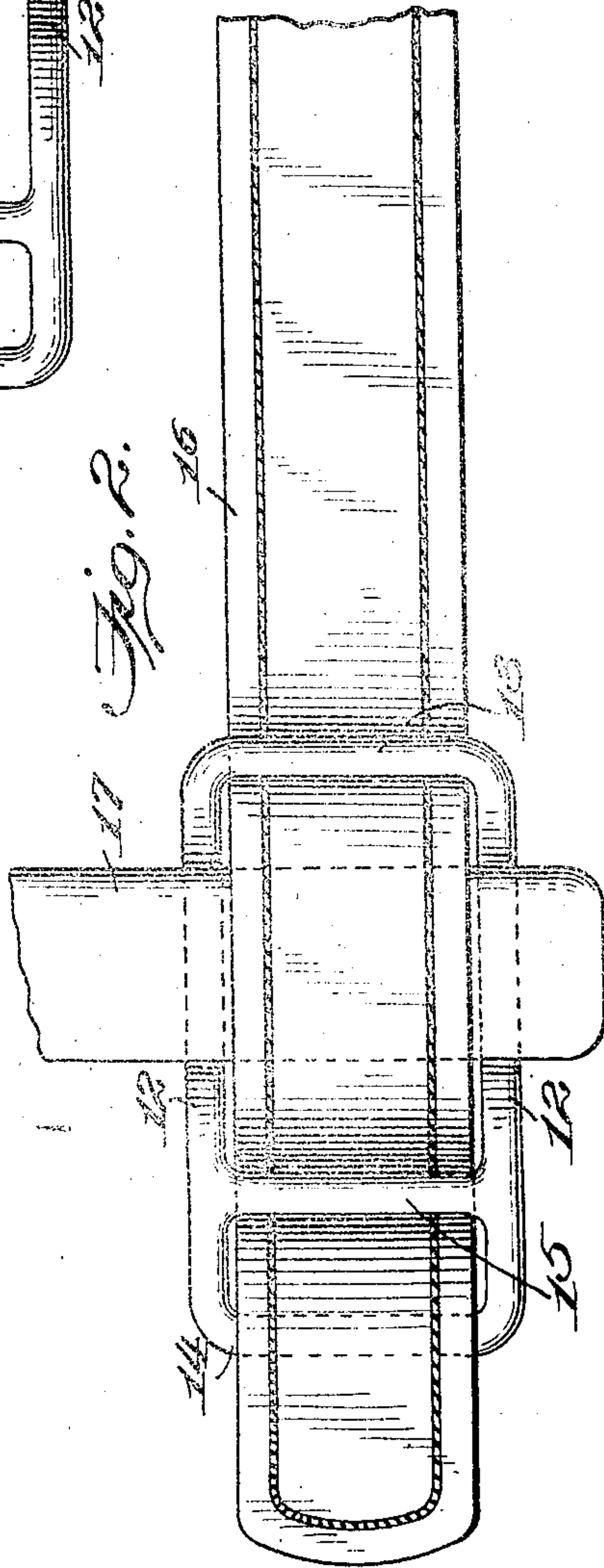


Fig. 2.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

JASPER M. BROWN, OF LYNNVILLE, TENNESSEE.

BUCKLE.

950,992.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed April 12, 1909. Serial No. 489,408.

*To all whom it may concern:*

Be it known that I, JASPER M. BROWN, a citizen of the United States, residing at Lynnville, in the county of Giles and State of Tennessee, have invented or discovered certain new and useful Improvements in Buckles, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to a buckle by means of which traces or tugs forming parts of the harnesses of draft animals may be attached to swingle-trees or whiffletrees without weakening the traces or tugs by forming  
15 holes therein, as is the usual practice; the improved attaching buckle providing means whereby the traces or tugs will be enabled to have a frictional grip on the swingle-trees or whiffletrees, the construction of the attaching buckle being of such a character  
20 that the harder the pull the tighter the grip will be.

To this end the invention comprises a single-piece buckle closed at its ends by end  
25 cross-bars and having the main portions of its side bars curved in such a manner as to provide a space between said bars and the trace or tug for the reception of the whiffletree, said buckle having, adjacent to what  
30 may be termed the rear ends of the curved portions of the side bars, an intermediate cross-bar located comparatively near the cross bar at the outer or rear end of the buckle but affording a space, between said  
35 intermediate cross-bar and the said rear end cross-bar, through which the tug or trace may be passed.

In the accompanying drawings Figure 1 is a side view of the improved trace-holding buckle, said view showing the relative  
40 positions of the trace and whiffletree when these parts are attached together. Fig. 2 is a plan view of the parts shown in Fig. 1, and Fig. 3 is a detail plan view of the buckle.

Referring to the drawings, the improved trace-holding buckle, which is preferably of a single piece of metal, comprises side bars 12, a front cross-bar 13, a rear cross-bar 14  
50 and an intermediate cross-bar 15. The side bars 12 are curved or bowed, as shown, throughout the greater portions of their

lengths, to afford adequate space between said bars and the trace 16 for the reception of that portion of the whiffletree 17 to which  
55 the trace is to be secured. The intermediate cross-bar 15 is located at or adjacent to the outer or rear ends of the curved portions of the side bars 12, leaving a comparatively small space 18, between said intermediate  
60 cross-bar 15 and the rear end cross-bar 14, through which the trace may be passed, as shown in Figs. 1 and 2, and leaving a much larger space 19 between said intermediate bar 15 and the front cross-bar 13.

65 From the foregoing it will be understood that when the trace is arranged as shown, in connection with the buckle and whiffletree, with the trace arranged above the rear end cross-bar 14 and below the intermediate  
70 cross-bar 15 and the front end cross-bar 13, and with the whiffletree passed between the said trace and the curved portions of the side bars 12, the trace will have such a frictional  
75 relation to the whiffletree that the harder the pull on the trace the tighter said trace and the buckle will grip the whiffletree. It will thus be understood that the invention affords an inexpensive and convenient device whereby traces may be secured to whiffletrees in a safe and reliable manner, without requiring the traces to be weakened by forming holes or openings therein for attachment to the T-headed or other projections with which whiffletrees are usually  
85 provided for the attachment of the traces thereto.

Although the improved attaching buckle herein described is primarily intended for use for securing tugs or traces to whiffletrees, 90 it is obvious that it may be employed for other purposes where it may be desired to secure or hold a strap or band of any kind.

Having thus described my invention I claim and desire to secure by Letters Patent: 95

An attaching or holding buckle comprising side bars, end cross-bars and an intermediate cross-bar, said intermediate cross-bar being arranged comparatively near one of said cross-bars leaving between said end  
100 cross-bar and the said intermediate bar a comparatively small space, with a much larger space between said intermediate cross-bar and the other end cross-bar, said side-



bars being curved or bowed throughout the greater portions of their lengths and said intermediate cross-bar being located adjacent to the ends of the curved or bowed portions of said side bars, and from which point to the adjacent end cross-bar said side-bars are approximately straight.

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

JASPER M. BROWN.

Witnesses:

VIRGIL COMPTON,  
H. A. COMPTON.