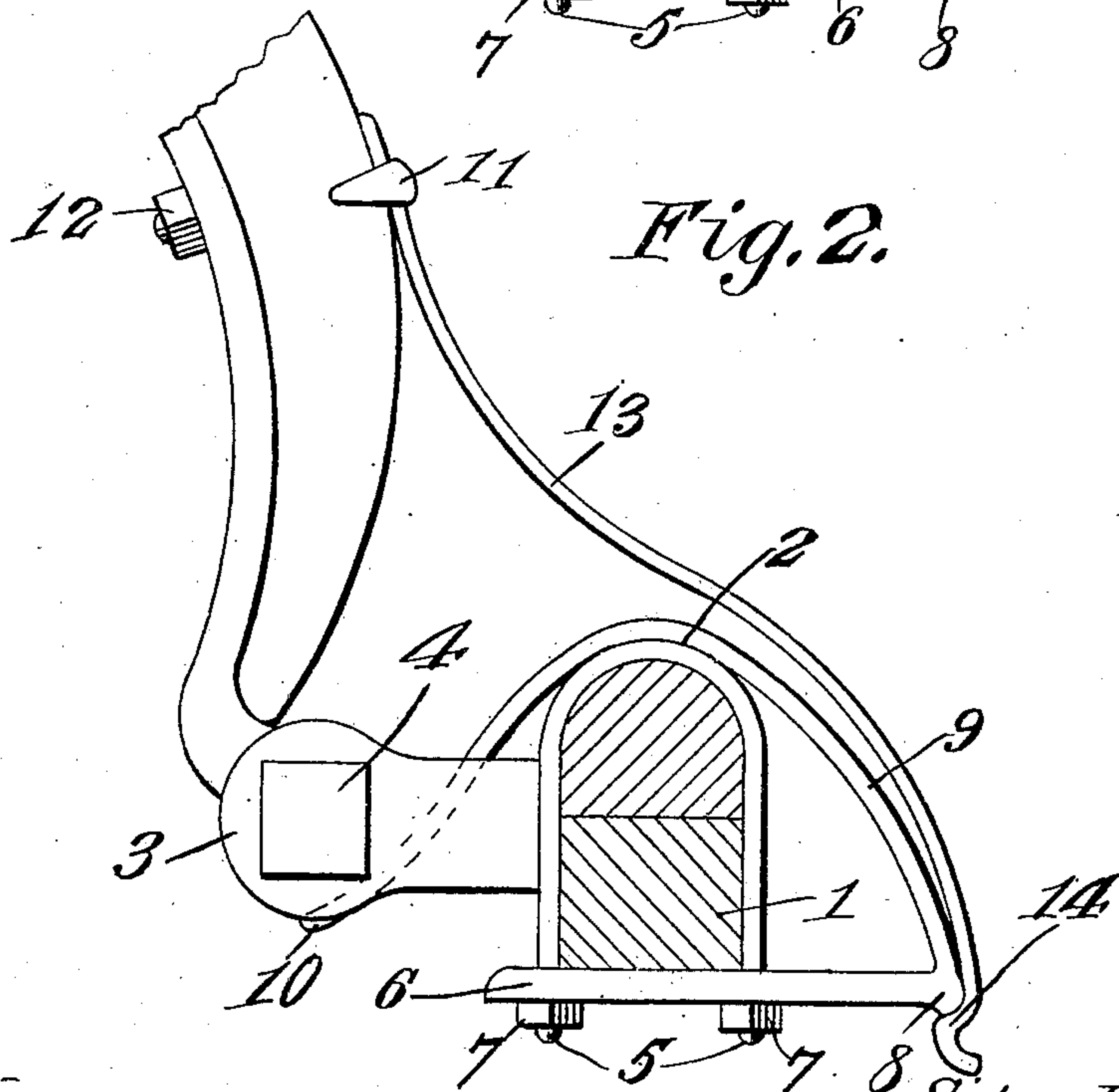
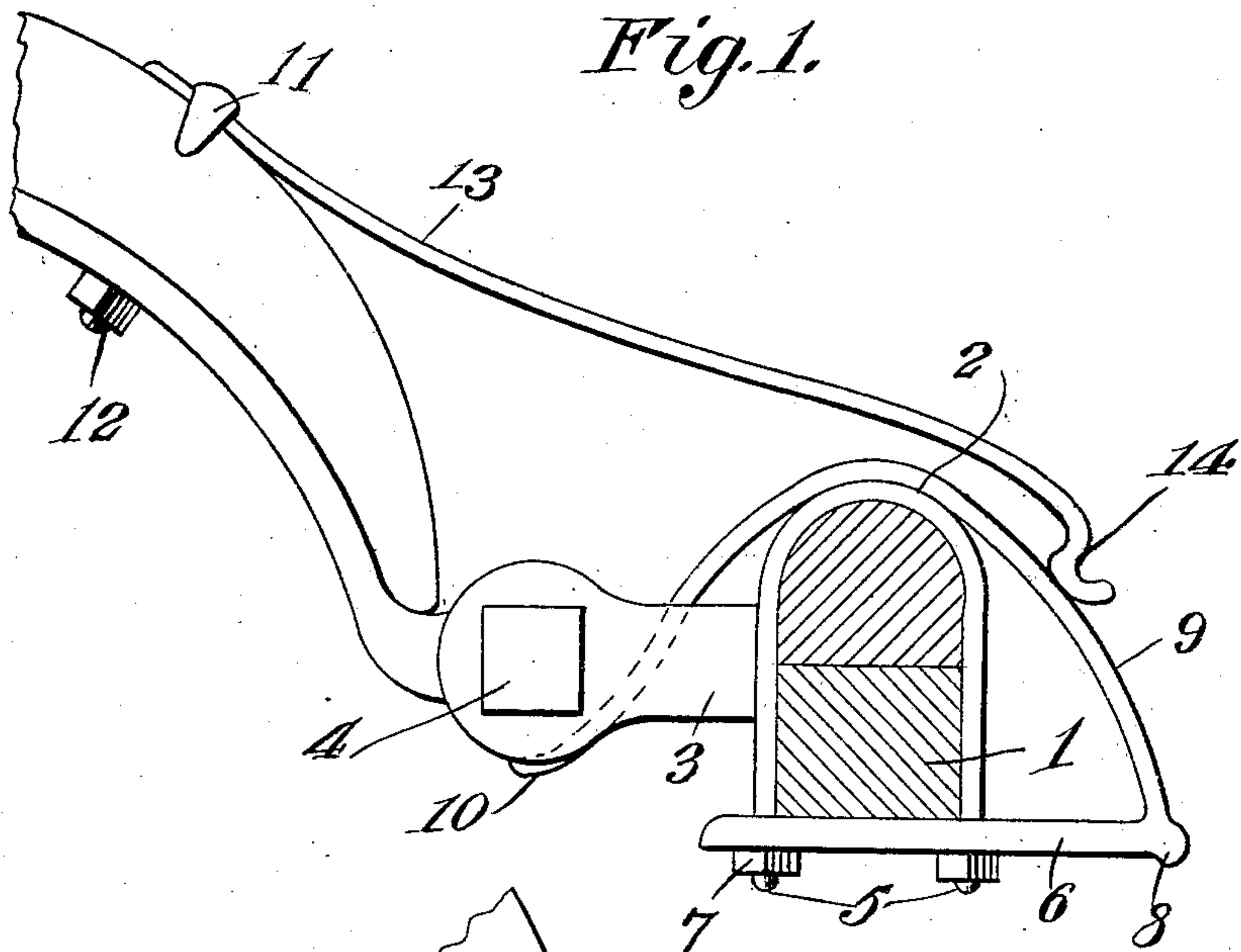


S. P. STOVALL.  
 SHAFT SUPPORT.  
 APPLICATION FILED JAN. 10, 1908.

907,537.

Patented Dec. 22, 1908.



Witnesses:-

J. P. Mahler,  
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# UNITED STATES PATENT OFFICE.

SIDNEY P. STOVALL, OF LAMPASAS, TEXAS.

## SHAFT-SUPPORT.

No. 907,537.

Specification of Letters Patent.

Patented Dec. 22, 1908.

Application filed January 10, 1908. Serial No. 410,204.

*To all whom it may concern:*

Be it known that I, SIDNEY P. STOVALL, a citizen of the United States, residing at Lampasas, in the county of Lampasas and State of Texas, have invented new and useful Improvements in Shaft-Supports, of which the following is a specification.

This invention relates to a combined support and anti-rattler for vehicle thills, and the object of the invention is to provide a simple, cheap and efficient device of this character, whereby a thill may be secured in raised position when the vehicle is not in use, and whereby the thill is effectively secured against rattling when the vehicle is in use.

To these ends the invention resides in the novel construction and arrangement of parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side elevation of a vehicle thill provided with my invention. Fig. 2 is a similar view showing the thill secured in an upright position.

In the drawings the numeral 1 designates a vehicle axle of the ordinary construction comprising the metal lower portion and the upper wooden portion, of the ordinary type. Secured upon the axle 1 is a shaft coupling clip 2, having the outwardly extending lug 3, provided with suitable perforations adapted for the reception of bolts 4, whereby the thill is secured to the axle. The thill and clip are of the ordinary construction, and secured to the screw threaded downwardly projecting lugs 5 of the clip 2 is a tie 6, positioned directly beneath the iron portion of the axle, and adapted to be retained in secure engagement therewith by the bolts 7 engaging the lugs 5.

The tie plate 6 is adapted to extend rearwardly from the portion of the axle occupied by the thill, and is provided with a transverse lug 8. The tie plate is preferably constructed of steel and is provided with a spring arm 9 projecting upwardly from the transverse lug 8 and adapted to overlie the wooden portion of the axle 2, and to be continued forward to provide a bearing 10 for the eye of the thill. Secured upon the thill

by a clip 11 and bolt 12 is a thill support 13. This support is also constructed of steel or other suitable spring metal and is provided at the extremity with a lip 14 adapted to normally engage the upper face of the spring arm 9, and when the vehicle is not in use, to engage the transverse lug 8 of the tie plate, and securely retain the thill in an upright position as illustrated in Fig. 2 of the drawings. It will be noted that the spring arm 9 has its bearing face 10 at all times contacting the eye of the thill, and effectively assists the thill support in retaining the thill in an upright position as well as preventing the thill from rattling in its connection with the clip of the axle.

By the construction above described it will be readily seen that I have provided a simple, cheap and effective device for supporting thills and preventing the rattling of thills when the vehicle is in motion. It will be also seen that I have constructed a tie plate provided with a spring arm having a bearing face at all times contacting with the eye of the thill and a thill supporting member constructed of spring metal which normally contacts the spring arm of the tie plate and tends to coact with the spring arm to prevent the rattling of the vehicle thill when the vehicle is in motion, and that the spring arm and thill support also coact in supporting the thill in an upright position.

Having thus fully described the invention what is claimed as new is:

The combination with a vehicle axle and a clip therefor, a thill, a tie plate upon the clip having a transverse lug and a spring arm bent over the axle and contacting the eye of the thill, a resilient member upon the thill having a hook adapted to contact the arm of the clip and to engage the transverse lug of the clip when the thill is raised.

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

SIDNEY P. STOVALL.

Witnesses:

E. N. HECTOR,  
D. C. THOMAS.