

H. SPRAGUE.

Improvement in Supports for the Tongues of Vehicles.

No. 127,522.

Patented June 4, 1872.

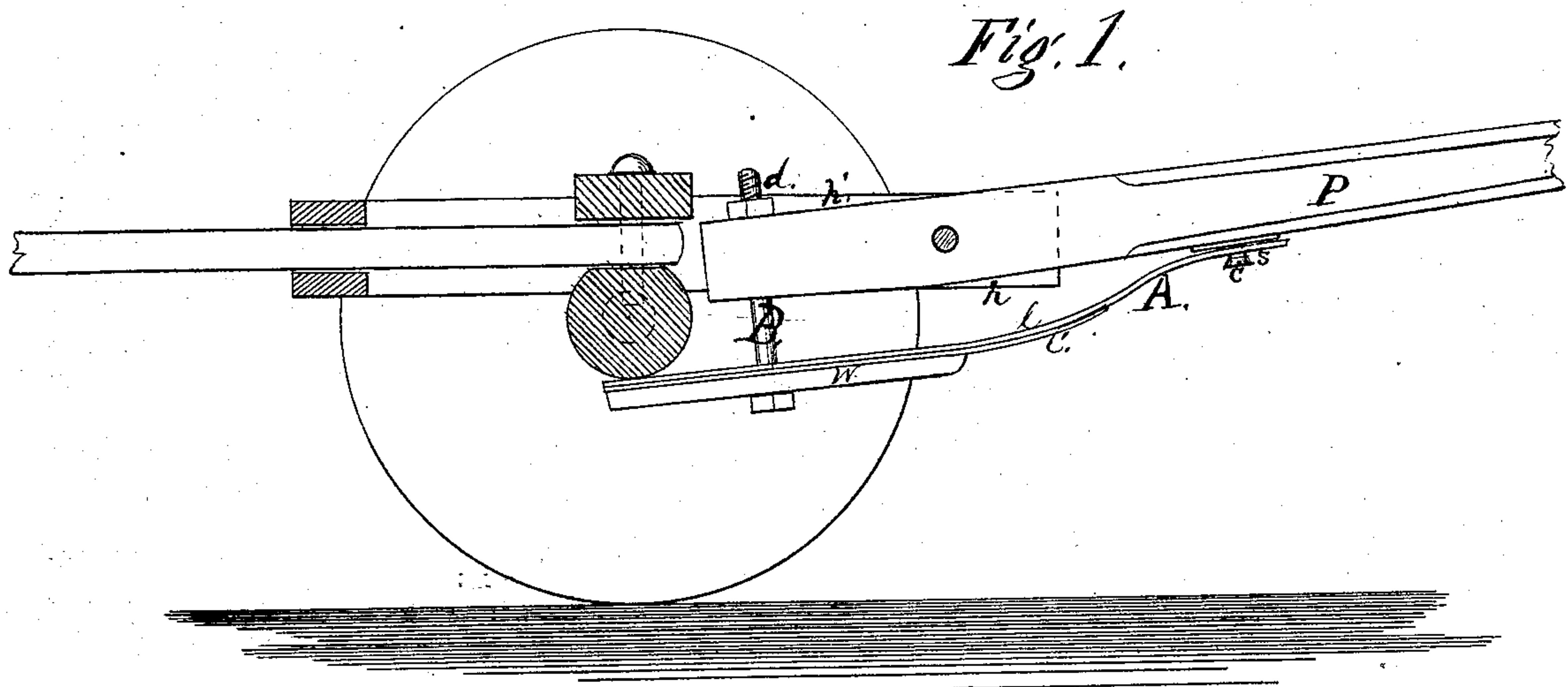


Fig. 2.



Witnesses.
C. M. Smith
W. J. Dix

Inventor.
Harvey Sprague

UNITED STATES PATENT OFFICE.

HARVEY SPRAGUE, OF MARCELLUS, NEW YORK.

IMPROVEMENT IN SUPPORTS FOR THE TONGUES OF VEHICLES.

Specification forming part of Letters Patent No. 127,522, dated June 4, 1872.

Specification describing certain Improvements in Wagon-Tongue Supports, invented by HARVEY SPRAGUE, of Marcellus, in the county of Onondaga and State of New York.

My invention relates to improvements in wagon-tongue supports; and consists of a spring provided with a wooden or other strengthening bar; one end of the said bar passing under and bearing against the front axle, and being rendered adjustable by a bolt and nut, and the other end being provided with a slot adapted to a lug or screw upon the tongue, all of which will be fully hereinafter set forth.

Figure 1 represents a sectional view of part of a wagon and tongue with my improved support attachment thereto; Fig. 2, a bottom view of the improved supporting-spring.

In the drawing, *h h'* are the ordinary hounds or futchels, and *P* the tongue of the wagon. *A* is the tongue-supporting spring, composed of one or more leaves, *l l'*, which is provided with a wooden or other strengthening-bar, *w*, which gives the requisite strength and rigidity to the spring. One end of this spring passes under and bears against the front axle of the wagon, and is retained in its proper position by a bolt, *B*, passing through the end of the attachment and through the tongue *P*, the bolt *B* being held in place by a nut, *d*; and the other end of the spring or attachment is provided with a slot, *s*, through which passes and is secured to the tongue a screw, *c*, or its equiv-

alent. By means of this arrangement the spring is allowed a free play in both directions.

It will be seen that the improved supporting attachment is secured entirely to the tongue, and thus permits the latter to be turned back over the front of the wagon, with the spring attached; but the forward end of the tongue cannot fall low enough to drag on the horses on account of the rear end of the spring bearing against the front axle of the wagon, as described.

The tongue can be raised or lowered as much as desirable and necessary by means of the bolt and nut *B d*.

I do not claim a spring for supporting a wagon-tongue one end of which is attached to the tongue and the other to the hounds, for such is not new; but

I claim as my invention—

The spring *A*, with or without the strengthening-bar *w* attached directly to the tongue, and having play at each end, one end of the spring projected back beneath the front axle, and adjusted by the bolt *B*, the spring permitting the tongue to be turned up against the front of the wagon, and all combined and constructed substantially as and for the purpose set forth.

HARVEY SPRAGUE.

Witnesses present:

C. W. SMITH,
W. J. MIX.