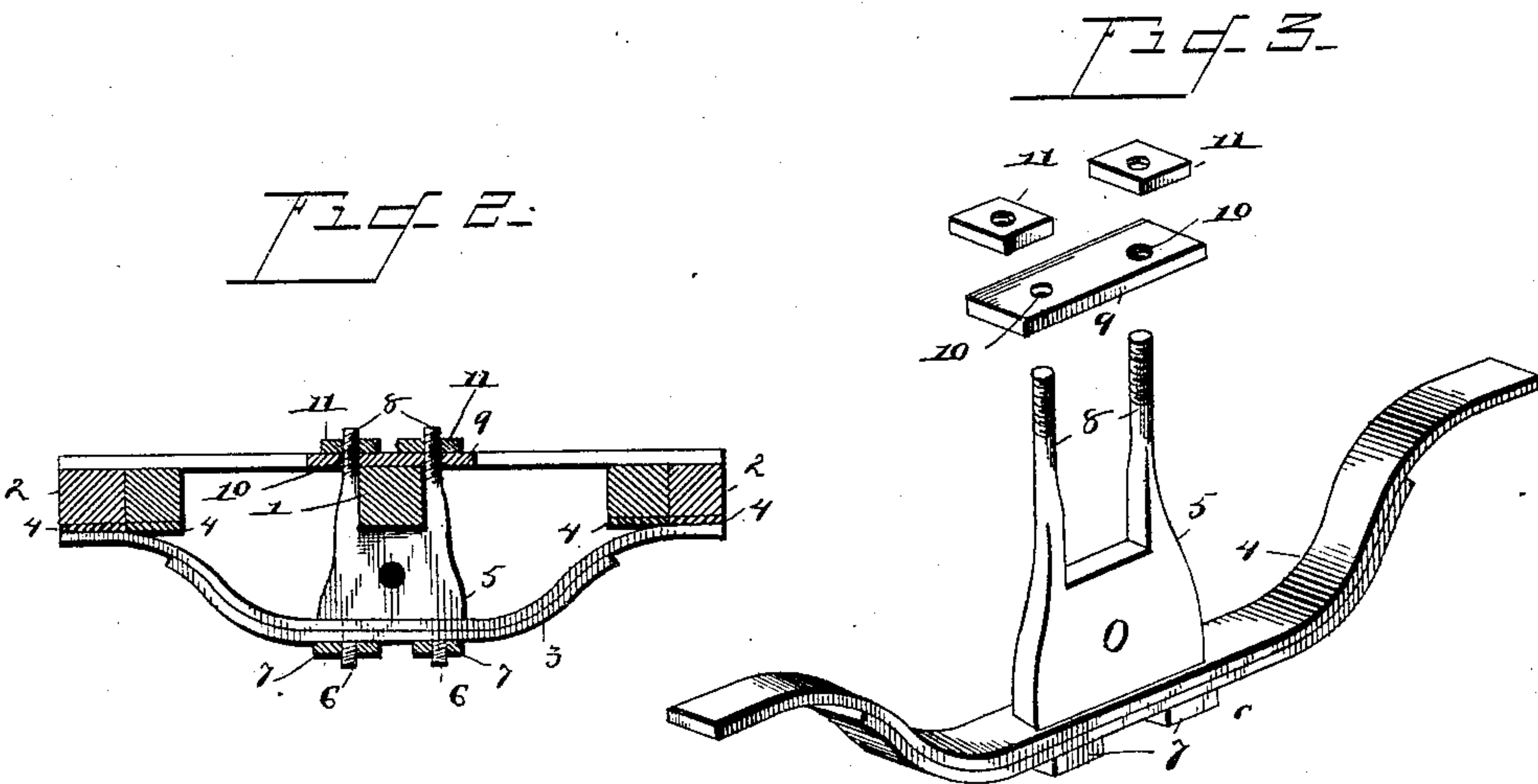
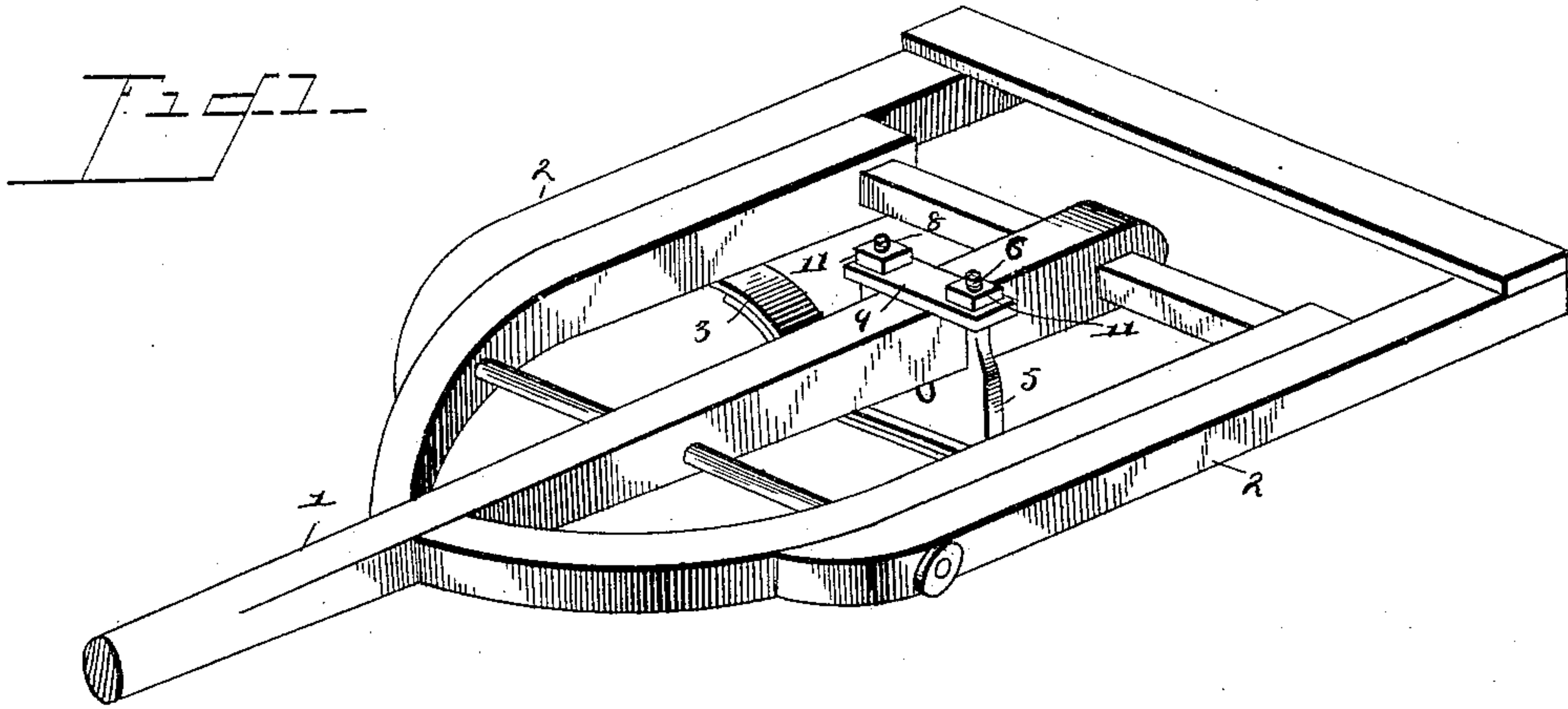


(No Model.)

M. POWELL.  
WAGON TONGUE SUPPORT.

No. 434,566.

Patented Aug. 19, 1890.



Witnesses

*Geo. E. French*

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By his Attorneys,

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Inventor  
*Madison Powell*

# UNITED STATES PATENT OFFICE.

MADISON POWELL, OF HEBRON, NEBRASKA.

## WAGON-TONGUE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 434,566, dated August 19, 1890.

Application filed June 16, 1890. Serial No. 355,584. (No model.)

*To all whom it may concern:*

Be it known that I, MADISON POWELL, a citizen of the United States, residing at Hebron, in the county of Thayer and State of Nebraska, have invented a new and useful Wagon Attachment, of which the following is a specification.

The invention relates to improvements in attachments for vehicles.

10 The object of the present invention is to provide a simple and inexpensive device adapted to support the tongue of a vehicle and take the weight from the animals' necks and prevent jars and shocks to them when the vehicle encounters an obstruction in the road.

15 The invention consists in the construction and novel combination and arrangement of parts, hereinafter fully described, illustrated in the accompanying drawings; and pointed out in the claim hereto appended.

20 In the drawings, Figure 1 is a perspective view illustrating the attachment applied in operative position to a vehicle-tongue. Fig. 2 is a transverse sectional view illustrating the attachment in elevation. Fig. 3 is a detail perspective view of the attachment.

Referring to the accompanying drawings, 1 designates a vehicle-tongue pivotally connected to the front hounds 2 of a vehicle in the usual manner and having secured to its lower face a leaf-spring 3, which is connected centrally to the tongue in the rear of the pivotal point, and has its ends arranged to engage the lower faces of the hounds, which are provided with wear-plates 4, and the said spring supports the weight of the tongue and takes the strain from the animals' necks and prevents jars when the vehicle is passing over rough surfaces. The leaf-spring 3 is attached 40 to the tongue by a clip 5, provided at its lower end with integral threaded bolts 6, which pass

through perforations of the spring and are engaged by nuts 7, and the upper portion of the clip is provided with a pair of threaded stems 8, arranged upon each side of the tongue 45 and having their upper ends connected by a tie-plate 9, which engages the upper face of the tongue and secures the same within the opening between the vertical standards, and the said plate 9 is provided with perforations 50 10, through which pass the threaded ends of the stem, that are engaged by bolts 11. The spring can be adjusted by means of the bolt and nut to increase the tension as the parts become worn. By this construction a simple 55 and inexpensive attachment is provided which can be readily attached to the ordinary construction of tongue and is capable of relieving the animals' necks from strains and jolts usually incident to the passage of a vehicle 60 over rough surfaces.

What I claim is—

The combination, with a vehicle tongue and hounds, of the clip provided with a parallel stem arranged upon opposite sides of the tongue and having formed integral with its 65 lower edge the threaded bolts, the tie-plate arranged upon the upper face of the tongue and secured to the stems by nuts, the leaf-spring arranged beneath the tongue and having its ends engaging the hounds and provided with perforations to receive the threaded bolts, and the nuts securing the spring to the clip, substantially as described.

In testimony that I claim the foregoing as 75 my own I have hereto affixed my signature in presence of two witnesses.

MADISON POWELL.

Witnesses:

D. W. OTTEN,  
WM. F. GROSS.