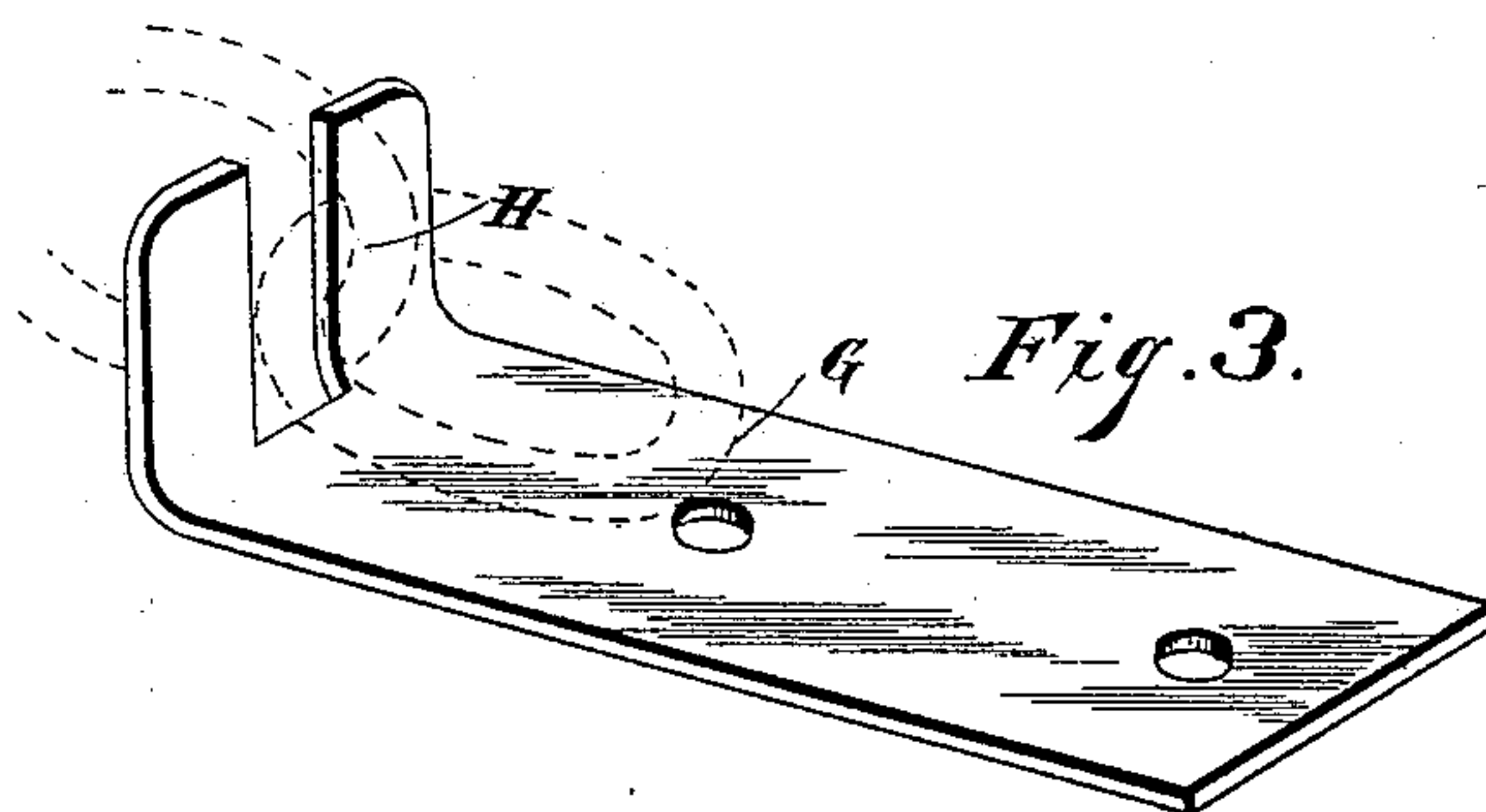
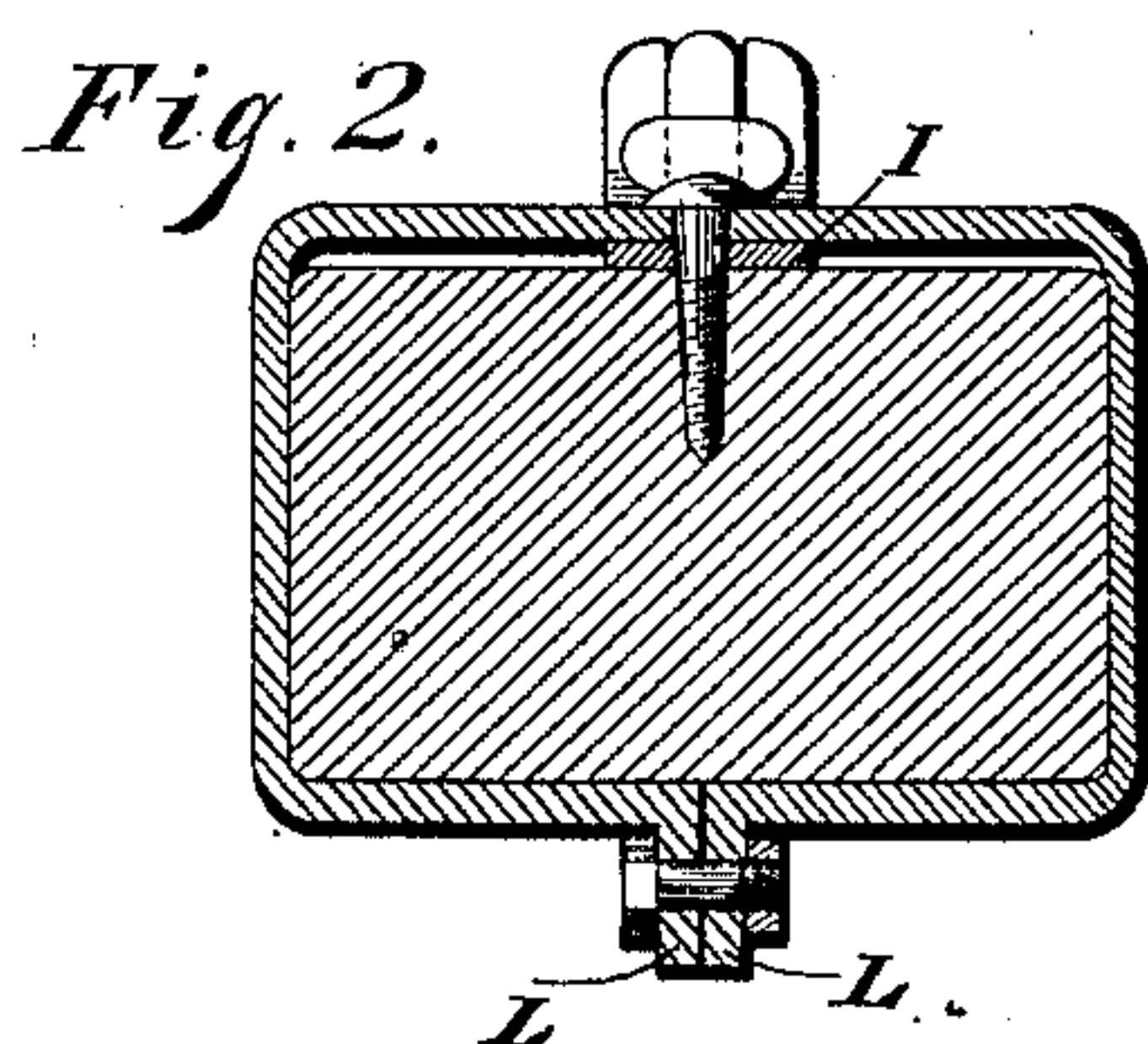
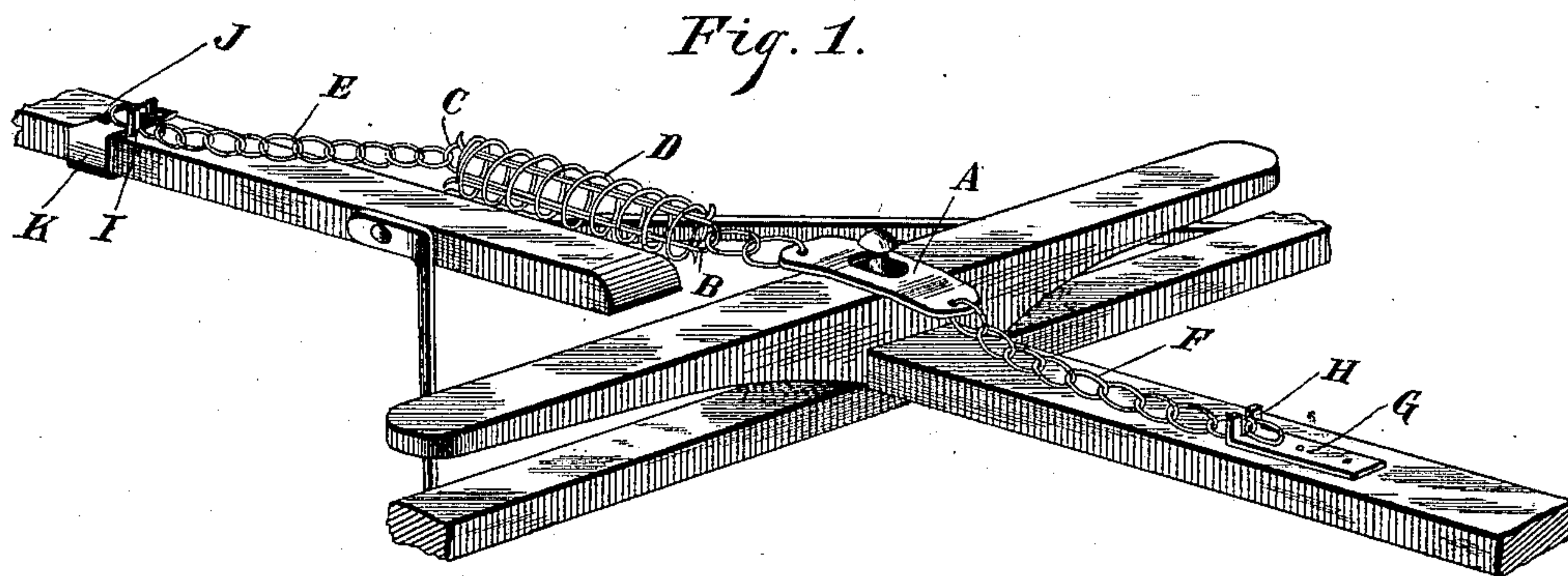


(No Model.)

W. D. NAPIER.  
WAGON TONGUE SUPPORT.

No. 429,050.

Patented May 27, 1890.



Witnesses

J. M. Withrow,

R. W. Bishop.

By *his* Attorneys,

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Inventor,  
*William D. Napier,*



# UNITED STATES PATENT OFFICE.

WILLIAM D. NAPIER, OF MOUNTAIN HOME, ARKANSAS.

## WAGON-TONGUE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 429,050, dated May 27, 1890.

Application filed August 28, 1889. Serial No. 322,268. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM D. NAPIER, a citizen of the United States, residing at Mountain Home, in the county of Baxter and State of Arkansas, have invented a new and useful Wagon-Tongue Support, of which the following is a specification.

My invention relates to improvements in tongue-supports, and it has especial reference to the tongue-support for which Letters Patent No. 294,932 were granted to me December 18, 1888.

The invention consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a tongue-support embodying my improvements. Fig. 2 is a transverse section of the tongue. Fig. 3 is a detail perspective view of the securing-hook.

The longitudinally-slotted plate A, the wire loops B C, and spring D are of the form shown in my before-mentioned patent, and a chain E extends from the loop C and a chain F from the plate A in the manner shown in the aforesaid patent. The hook G, which is secured to the upper side of the reach, consists of a metallic plate provided with suitable openings for the insertion of the securing-screws, and having its end turned upward and slotted, so as to form the double hook H. The chain F is made to engage this hook by inserting one link through the slot, so that the end of the next adjacent link will bear against the inner side of the double hook and pass across the slot, so as to prevent the withdrawal of the link engaging the slot. The hook I, which is secured to the tongue, is similar in construction to the hook G and has one end turned upward to provide a lip J, which engages the edge of the clamping-band K, which passes around the tongue to secure the said hook thereto. The said band passes over the hook and around the tongue and has its ends bent downward to provide the lugs L, through which the securing-bolt is inserted to clamp the band securely around the tongue. The chain E is engaged in the hook I in the same manner as the chain F is engaged in the hooks G.

From the foregoing description it will be

seen that in my present device the chains may be effectually adjusted to the desired length and will be securely held when so adjusted. The hooks possess greater strength than those of my patented device and can be more easily engaged by the chains.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The improved tongue-supporter herein described and shown, consisting of a plate A, loosely mounted on the king-bolt of the running-gear, the plate G, secured on the upper side of the reach and having its front end turned up and slotted, forming a double hook or lip H, the chain secured to the plate A and engaging the double lip H, the spring connected to the plate A, the plate I on the upper side of the tongue, having the lip J at one end and a double hook at the other end, the chain secured to the spring and engaging the double hook, and the clamping-band engaging the lip J and passing around the tongue and over the plate I, as set forth.

2. As an improved article of manufacture, the tongue-supporter comprising a plate A, having a longitudinal slot adapted to slide on the king-bolt of a vehicle, the spring D, connected to the front end of the plate, the clamping-band K, adapted to be secured to the tongue and provided with a hook I, and the hooked plate G, adapted to be secured to the reach or perch, the flexible chain E, attached to the front end of the spring, and the chain F, attached to the rear end of the plate A and at its rear end engaging the hook on the plate G, the latter and the hook of plate I being made double, whereby the chains F and E may be engaged by inserting one link through the slot of the double hook, the next link bearing against the inner side of the double hook and across the slot, so as to prevent the withdrawal of the chain, as set forth.

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

WILLIAM D. NAPIER.

Witnesses:

J. T. WILLIAMS,

WM. H. MORRIS.