

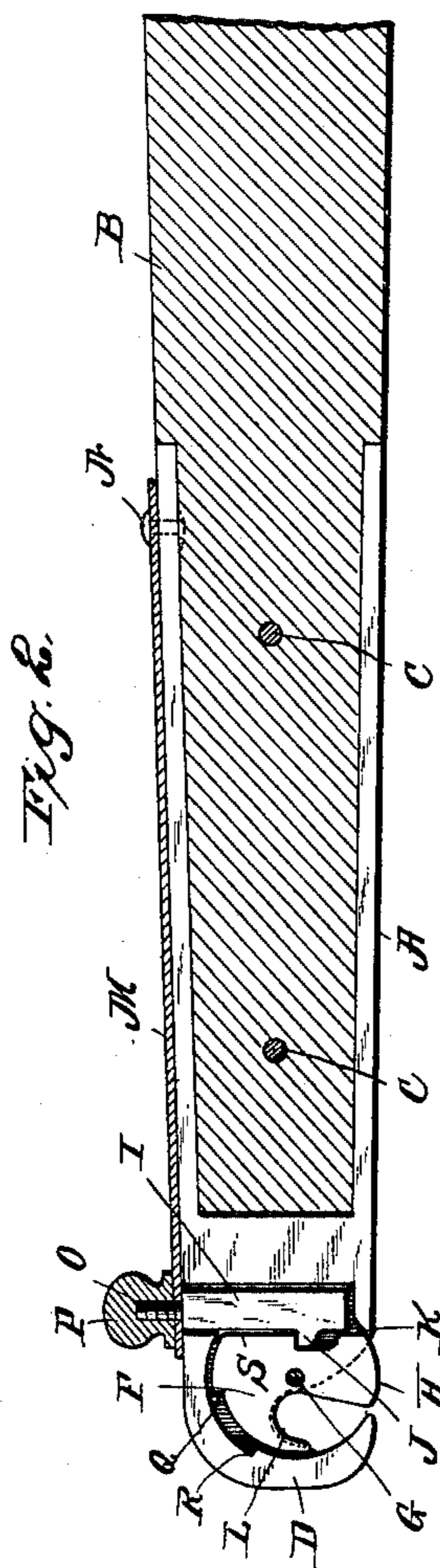
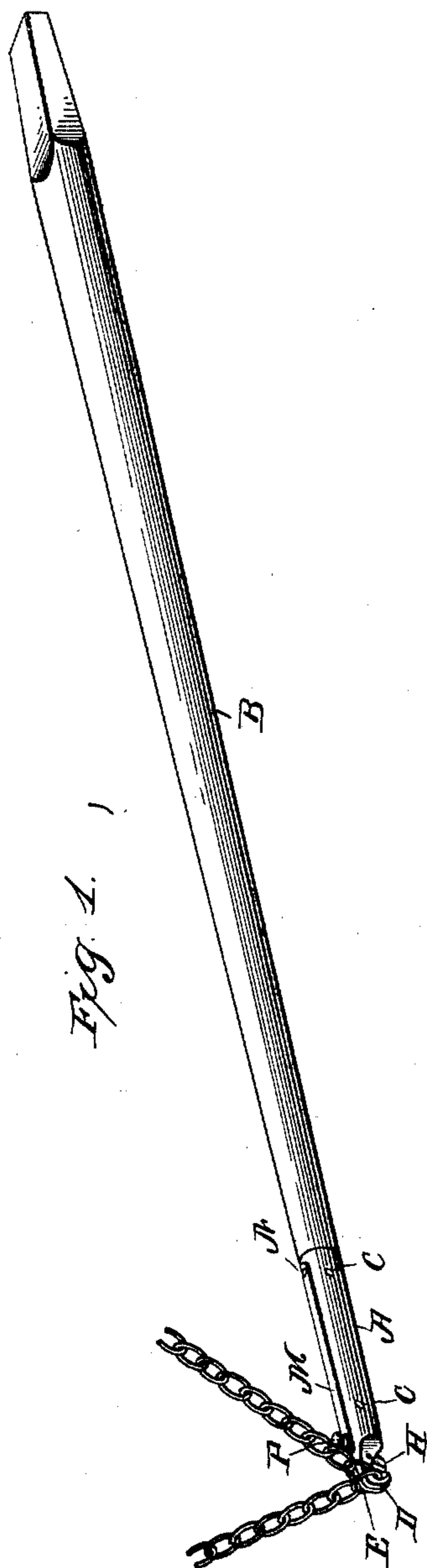
(No Model.)

D. MURRAY.

NECK YOKE HOLDER FOR WAGON TONGUES.

No. 592,476.

Patented Oct. 26, 1897.



Witnesses:

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UNITED STATES PATENT OFFICE.

DONALD MURRAY, OF MAPLE CREEK, CANADA.

NECK-YOKE HOLDER FOR WAGON-TONGUES.

SPECIFICATION forming part of Letters Patent No. 592,476, dated October 26, 1897.

Application filed March 1, 1897. Serial No. 625,455. (No model.)

To all whom it may concern:

Be it known that I, DONALD MURRAY, a subject of the Queen of Great Britain, residing at Maple Creek, in the Province of Northwest Territory and Dominion of Canada, have invented a new and useful Improvement in Neck-Yoke Holders for Wagon-Tongues and the Like, of which the following is a full, clear, and exact specification.

My invention relates to a new and useful improvement in neck-yoke holders for wagon-tongues and the like, and has for its object to provide a cheap, simple, and effective device of this description which may be secured to the outer end of an ordinary vehicle-tongue and greatly facilitate the attachment and detachment of the yoke-chains of the harness to the pole and obviate the disadvantage heretofore experienced of the lines catching in the projecting parts of the head, as well as the detachment of the yoke-chains should the traces become broken or detached.

With these ends in view this invention consists in the details of construction and combination of elements hereinafter set forth, and then specifically designated by the claims.

In order that those skilled in the art to which this invention appertains may understand how to make and use the same, the construction and operation will now be described in detail, referring to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective of a tongue having my improvement applied thereto, and Fig. 2 a section of the head secured in place upon the tongue.

In carrying out my invention I construct the head or ferrule A in two sections divided longitudinally, so that it may be placed around the outer end of the pole B and secured thereon by means of the rivets C. The outer ends of these sections terminate in the sectional hooks D, which when the head is secured in place form a single hook composed of these two sections, and this hook is so shaped as to readily receive the yoke chains or rings E, carried thereby, in hitching a team to the tongue, and in order that the rings may be held in engagement with the hook a dog F is pivoted between the sections of the head, as

indicated at G, the heel H of which is adapted to close the hook, so as to form a complete eye in which the ring shall be held.

A plug I is fitted to slide within the head and is provided with a lug J, which projects into engagement with the notch K, formed in the dog, so that when this plug is elevated the dog will be so revolved as to cause its nose L to force the rings of the chains downward, thereby facilitating their disengagement from the hook, while at the same time the heel H of this dog will be withdrawn from the lower end of the hook and carried within the recess in the head, so as to leave free passage for the rings. A spring M is secured at N to the head and connected with the plug, as indicated at O, in order that said plug may be held in its normally-depressed position, and yet when it is necessary to draw the plug upward this is accomplished by grasping the knob P and overcoming the action of the spring.

A stop-shoulder Q is formed upon the dog, which comes in contact with a similar shoulder R upon the interior wall of the hook, thereby limiting the rotary movement of the dog for the obvious purpose of preventing the nose thereof from describing too large a segment.

A flat wall S is formed upon the dog, extending from the notch K to its periphery, and this wall coincides with the forward wall of the plug, so that when the latter is in its normally-depressed position this wall enters into engagement with the wall of the plug, thereby locking the dog against rotation in either direction, the advantage of which is to prevent any accidental disengagement of the neck-yoke from the hook by the swinging of the dog otherwise than by the movements of the plug, as will be readily understood.

From this description it will be seen that no parts project from the head sufficiently to entangle the lines therewith, and, furthermore, even though the traces may become detached, yet the team will be securely hitched to the pole by means of the neck-yoke, which cannot be displaced, either by a backing movement or a forward-drawing movement, and this is of great importance in heavy vehicles, since often great damage is done by

the accidental detachment of the traces and the inability thereafter to keep control of the movements of the vehicle.

Another advantage of my improvement is that it may be quickly applied to any tongue, since it is made in sections adapted to embrace the end of a tongue, and may be either secured there by rivets or bolts having threaded ends for the reception of suitable nuts.

In the manufacture of my improvement but little skilled labor is required, since all of the parts may be cast, with the exception of the spring, and the assemblage thereof is exceedingly simple, requiring only the placing of the dog and plug in position and the securing of the sections of the head to the pole.

Having thus fully described my invention, what I claim as new and useful is—

1. As a new article of manufacture, a neck-yoke holder consisting of two sections adapted to embrace the end of a vehicle-tongue, a hook formed upon the end of this holder, a dog pivoted therein, a plug adapted to operate said dog, and a spring for holding said plug in its normal position.

2. A neck-yoke holder consisting of two sec-

tions adapted to embrace the end of a vehicle-tongue, a hook formed upon the outer end of said holder, a dog pivoted therein, a plug fitted within the holder, a lug projecting from said plug into engagement with a notch of the dog, a spring for holding said plug in its normal position, so as to lock the dog against rotation, and a knob for moving the plug upward, as specified.

3. The herein-described combination of the two sections A secured about the end of a vehicle-tongue, hooks formed upon each of said sections, a dog pivoted between the sections and provided with a stop-shoulder for limiting its rotary movement, a plug also fitted between the sections, a lug projecting from said plug into engagement with a notch formed in the dog, a spring secured to the sections and to the plug, and a knob for withdrawing said plug upward, as specified.

In witness whereof I have hereunto affixed my signature in the presence of two subscribing witnesses.

DONALD MURRAY.

Witnesses:

JAS. P. MITCHELL,

F. F. FALT.