

(Model.)

T. S. TEW.

DRIVE CHAIN.

No. 245,100.

Patented Aug. 2, 1881.

Fig. 1.

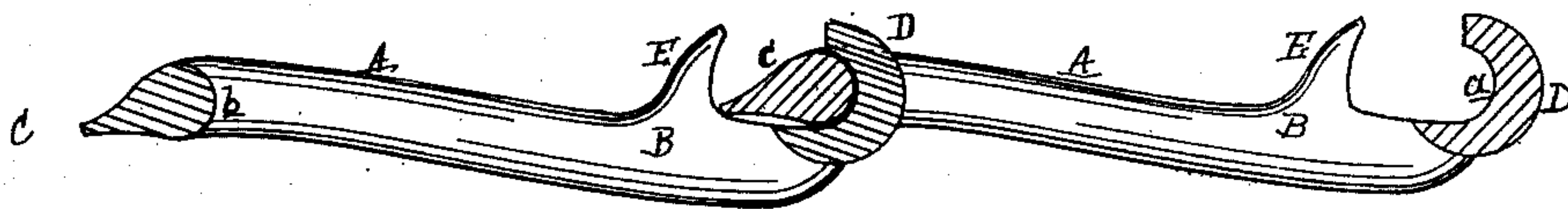


Fig. 2.

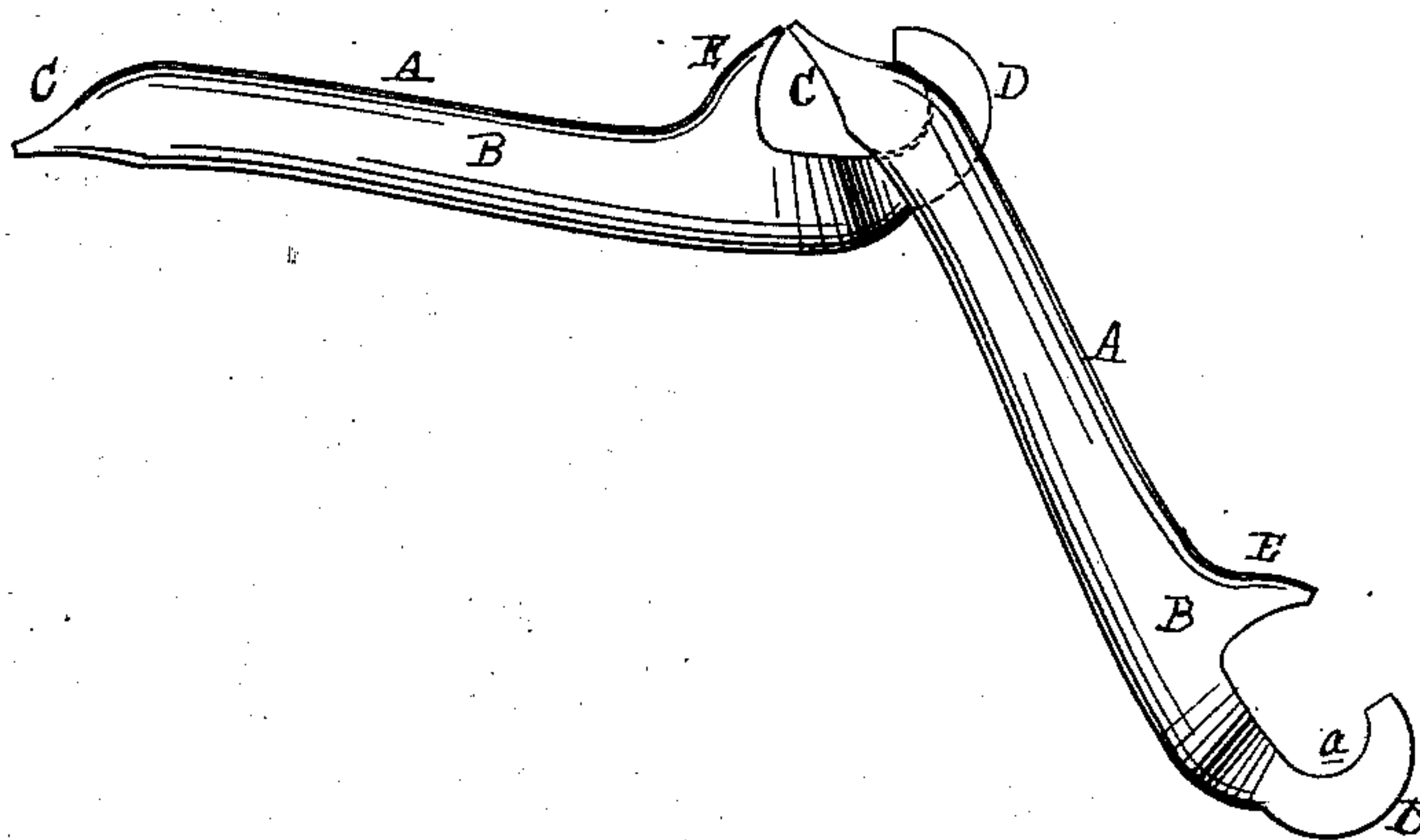
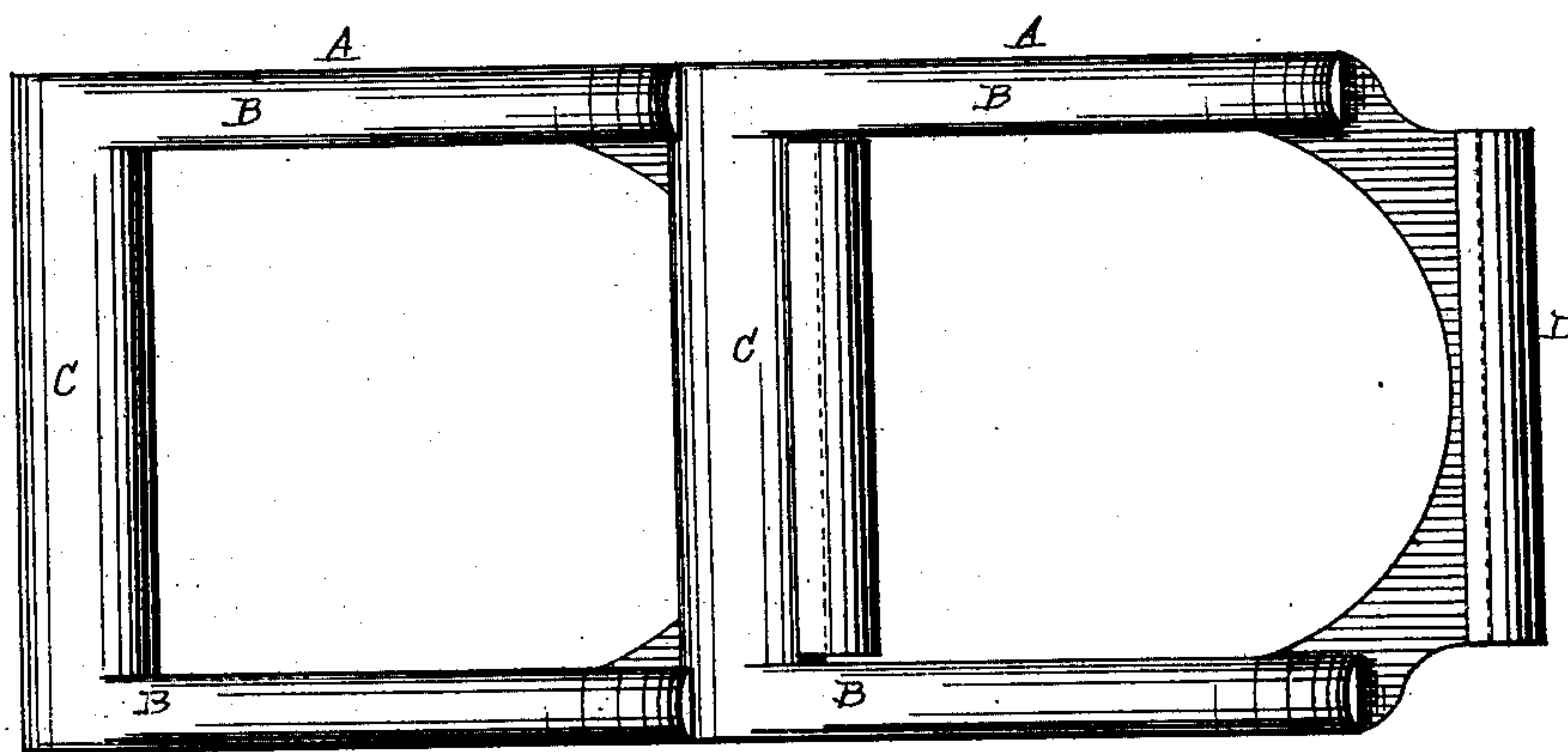


Fig. 3.



WITNESSES:

A. B. Robertson.
R. Robertson.

INVENTOR:

T. S. Tew

BY T. S. Sprague

ATTORNEY.

UNITED STATES PATENT OFFICE.

THOMAS S. TEW, OF STANTON, MICHIGAN.

DRIVE-CHAIN.

SPECIFICATION forming part of Letters Patent No. 245,100, dated August 2, 1881.

Application filed March 3, 1881. (Model.)

To all whom it may concern:

Be it known that I, THOMAS S. TEW, a citizen of the United States, residing at Stanton, in the county of Montcalm and State of Michigan, have invented certain new and useful Improvements in Drive-Chains; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The nature of this invention relates to certain new and useful improvements in that class of drive-chains wherein the links are made detachable from each other.

The invention consists in the peculiar construction of the links and their combination, as more fully hereinafter described.

In the accompanying drawings, which form a part of this specification, A represents the links of a chain, which are represented in Fig. 1 in longitudinal vertical section, showing the position of the links when the chain is ready for use; Fig. 2, in like section, showing the position of the links when it is desired to disconnect them; and Fig. 3 is a plan.

The links A are all alike, and consist of two side bars, B, and end bars, C and D, the latter of which is provided on its interior face with a semicircular recess, *a*, to receive and engage with the inner and semicircular face, *b*, of the hook-shaped bar D. The outer end or face of the bar C is wedge-shaped, as shown in cross-section in Fig. 1, and is made just long enough to move on a circle inside of the lug E.

E represents lugs projecting from the upper face of the side bars, and the face of these lugs which is presented to the recess *a* is concave, as shown, describing a segment of a circle of larger diameter than the recess, both segments being designed to have an axis or center common to both, while the end bar will partially rotate freely in both circles, the semicircular part thereof in the recess, and the wedge-shaped outer face in the concavity of the lugs.

To engage or disengage the links from each other they should be placed in the positions shown in Fig. 2, and then, when thrown into the position of Fig. 1, the chain is ready for use.

I am aware that it is not new to make drive-chains with their links detachable from each other, and therefore I do not broadly claim such invention.

What I claim as my invention is—

1. A link for drive-chains having an elongated open-mouthed hook, substantially as described, upwardly-projecting lugs on the side bars adjacent thereto, and an end bar, triangular, or nearly so, in cross-section, as and for the purpose set forth.

2. A link for drive-chains having the upwardly-projecting lugs on the side bars, near the throat of the hook, in combination with the triangular-formed end bar of an adjacent link, substantially as set forth.

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

THOMAS S. TEW.

Witnesses:

GEO. F. GRAHAM,
WM. M. SMITH.