G. L. Sheldon,

Horse Power.

No. 105,263. Patented July 12. 1870.

Fig: 1.

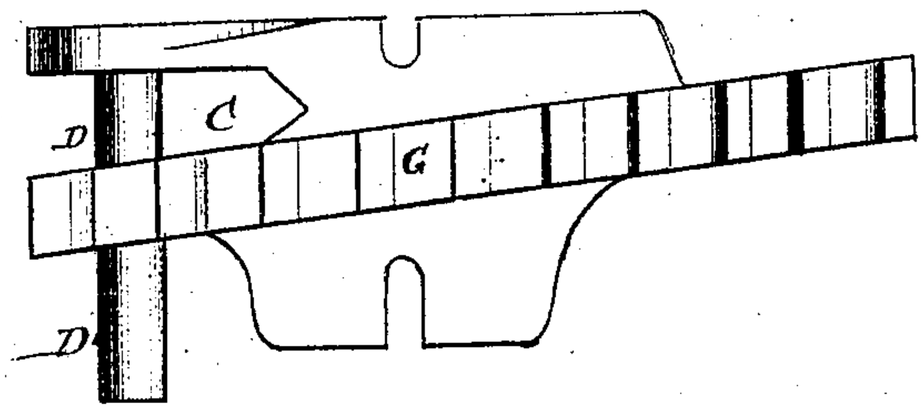
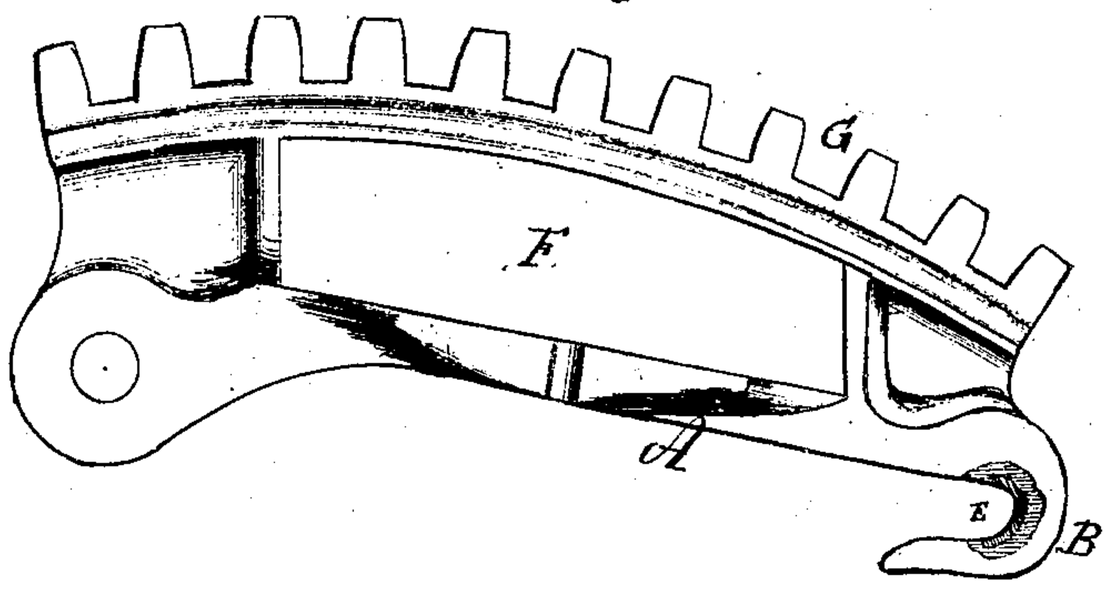


Fig: 2.



Witnesses

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UNITED STATES PATENT OFFICE.

GILBERT L. SHELDON, OF HARTSVILLE, MASSACHUSETTS.

IMPROVEMENT IN ENDLESS-CHAIN HORSE-POWER LINKS.

Specification forming part of Letters Patent No. **105,263,** dated July 12, 1870.

To all whom it may concern:

Be it known that I, GILBERT L. SHELDON, of Hartsville, in the county of Berkshire and State of Massachusetts, have invented a new and useful Improvement in Links for Endless-Chain Horse-Powers; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to a new and useful improvement in links used in forming the revolving chain-apron of the well-known endless-chain or railroad horse-power; and it consists in the construction and arrangement of parts hereinafter described.

In the accompanying drawings, Figure 1 is a top or plan view of the link. Fig. 2 is a side view.

Similar letters of reference indicate corresponding parts.

A is the link, with a hook, B, at one end and socket C at the other, the latter being formed by the wrought-iron pin D, which is cast into the link. The chain is formed by hooking these links together by means of the hook and socket. The hook B is lined with Babbitt metal on its inner or wearing side, as seen at E, so that it may be readily repaired when it becomes worn, by which means the link is rendered more durable than it would otherwise be.

D′ is the journal for the small roll or wheel, which is attached to and supports each link on the track as the chain revolves.

F represents the socket for the end of the flooring.

G is a section of gearing placed obliquely on the link, as represented, which operates the driving-pinion. Each section of gearing forms the arc of a circle to correspond with the curve at the ends of the track.

The advantages over the common link are, it is constructed cheaper and is more durable.

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

A link for endless horse-power, having hook B, sockets C F, pin D D′, and sectional gearing G, all relatively located and shaped, as set forth.

G. L. SHELDON.

Witnesses:

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