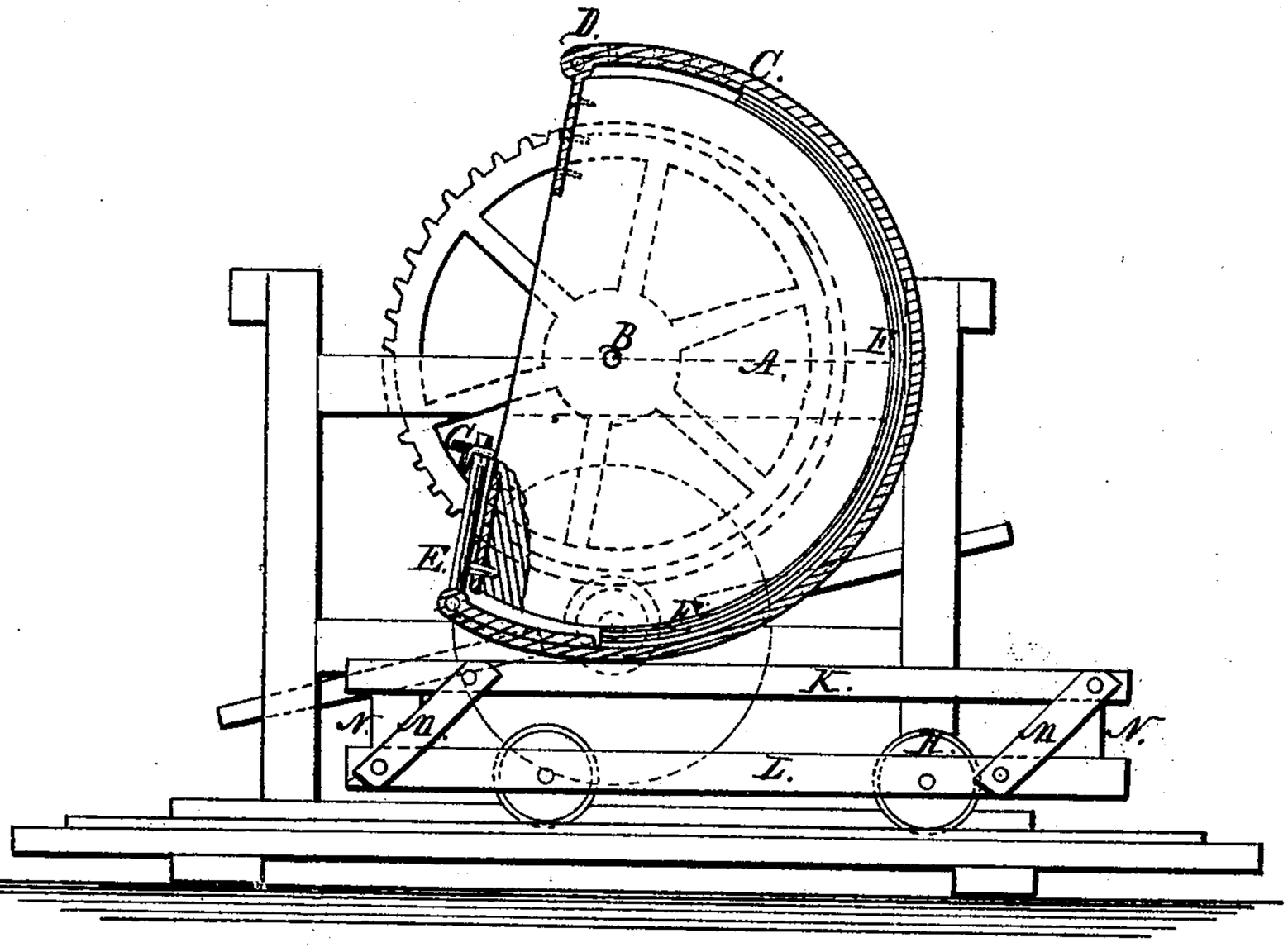
De Lyon & Werner,

Bending Wood.

No. 89,387. Patented Apr. 27. 1869.



Witnesses

Thos. Morgan

John F. Brooks

Inventor:

per Munn & Co

Attys

UNITED STATES PATENT OFFICE.

VICTOR DE LYON AND VALENTINE WERNER, OF CANTON, MISSISSIPPI.

IMPROVEMENT IN WOOD-BENDING MACHINE.

Specification forming part of Letters Patent No. **89,387**, dated April 27, 1869.

To all whom it may concern:

Be it known that we, VICTOR DE LYON and VALENTINE WERNER, of Canton, in the county of Madison and State of Mississippi, have invented a new and useful Improvement in Machines for Bending Fellies; and we 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 drawing, forming part of this specification.

This invention relates to improvements in machinery for bending fellies; and consists of a curved former mounted on an axis, and working over a movable carriage, whereon the stick to be bent is placed, between the face of the former and a metallic strap, which is bent up with the stick, and secured to the former to hold the bent stick until it becomes set.

The drawing represents a front elevation of our improved machine.

A represents the curved former, mounted on the axis B, and provided with reducing-gear, and a lever to operate it. It is also provided with a metallic strap, C, hinged thereto at the corner D, and provided with a bolt, E, jointed to it at the other end, and designed for fastening that end of the strap after the stick F has been bent.

The fastening is accomplished by turning the bolt E down upon the plane face of the former, and securing it by the hook-headed bolt G.

H represents a carriage, arranged to run under the former, and the sticks to be bent are placed thereon, between the strap C and the curved face of the former. As the former is rotated, the carriage will move along in unison with it, and cause the said sticks to be bent up to the former.

In order to adapt the machine for bending sticks of different thickness, the platform of the carriage is made in two parts, K and L, and connected together by the bars M, capable of oscillating on their points of connection, and springs N are interposed between the two parts, to afford a yielding bed for the sticks, keeping them always pressed up against the former.

Springs of different sizes may be employed for adjusting the part K of the carriage for fellies of different thickness.

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

1. The strap C, provided with the bolt E, and combined with the former and hook-headed bolt, substantially as specified.

2. The carriage constructed and arranged substantially as specified.

VICTOR DE LYON.
VALENTINE WERNER.

Witnesses:
SAML. HANDY,
GEO. A. HOGSETT.