A. Barley,

Bending Wood.

No 25,711. Patented Oct. 11, 1859.

Fig 2.

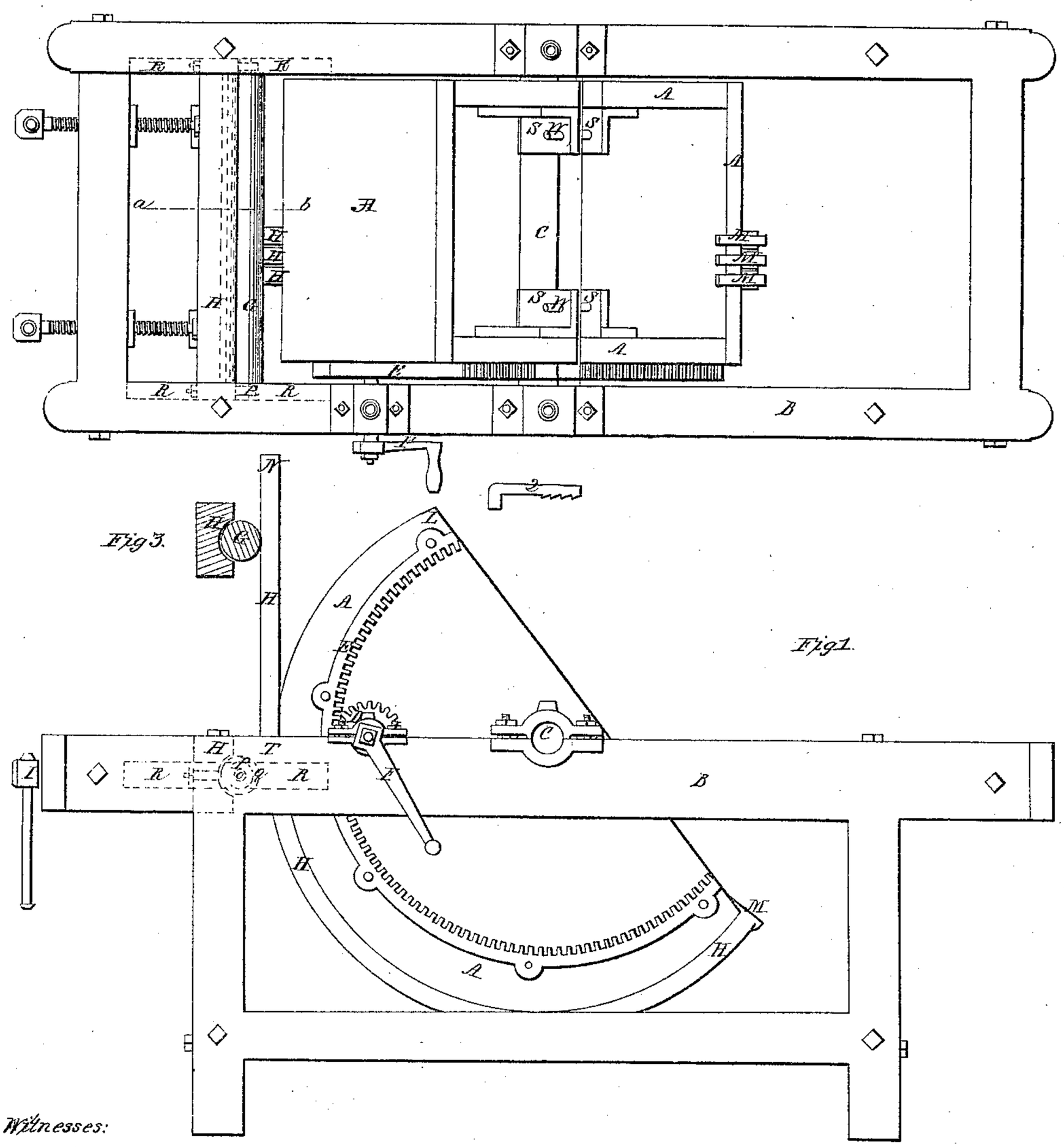

Fig 1.

Witnesses:

Chas. K. White
John A. Mitchell.

Inventor:

Augustus Barley

UNITED STATES PATENT OFFICE.

AUGUSTUS BAILEY, OF GARDINER, MAINE.

MACHINE FOR BENDING WOOD.

Specification of Letters Patent No. 25,711, dated October 11, 1859.

To all whom it may concern:

Be it known that I, AUGUSTUS BAILEY, of Gardiner, in the county of Kennebec and State of Maine, have invented a new and useful Machine for Bending the Rims or Fellies of Carriage-Wheels; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which Figure 1 is an elevation and Fig. 2 is a plan, and to the letters of reference marked thereon.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

My machine consists of a frame (B), in which is hung the semicylinder (A) upon and revolving with the axis (C), by means of the pinion (D), and the internal segment (E). This frame is also provided with a horizontal roll (G), connected with, and attached to the sliding bar (H), by the eye bolts (P, P,) the whole being operated upon, and made to move freely back and forth through the slots (R, R,) by the two screws (I, I,). There is also a stationary clamp (M), and a movable, graduated hook (Q), attached to this machine.

In order to operate my machine the semicylinder (A) is placed in such a position that the point (M) will be at the point indicated by the letter (T) Fig. 1. The stuff (K, K,) is then placed between the said semicylinder and the horizontal sliding roll (G), being secured there by the stationary clamp (M), the semicylinder is then revolved on its axis the roll (G), being made to conform to the variations in and finally to give a more perfect form to the end of the stuff by the screws (I I). The stuff being thus bent to the form of the semicylinder is secured to its place by means of the graduated hook (Q) and the operation is repeated until the semicylinder is filled up when it is removed from the axis (C), and another substituted in its stead.

What I claim as my invention and desire to secure by Letters Patent is—

The combination of the aforesaid horizontal sliding roll (G), and graduated hook (Q), with the semicylinder (A), acting substantially in the manner and for the purpose herein set forth and described.

Dated at Gardiner this twentieth day of August A. D. 1859.

AUGUSTUS BAILEY.

Witnesses:

JOHN BROWN,

E. A. CHADWICK.