Sheet 1 - 2 Sheets.

G. Huntington,

Making Wagon Tires,

No. 69,916. Patented Oct. 15, 1867.

Fig. 2.

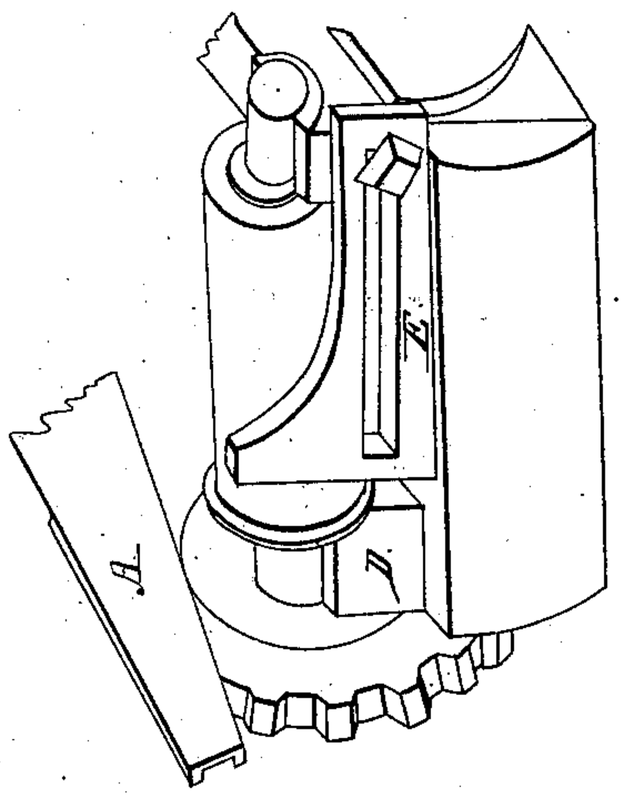
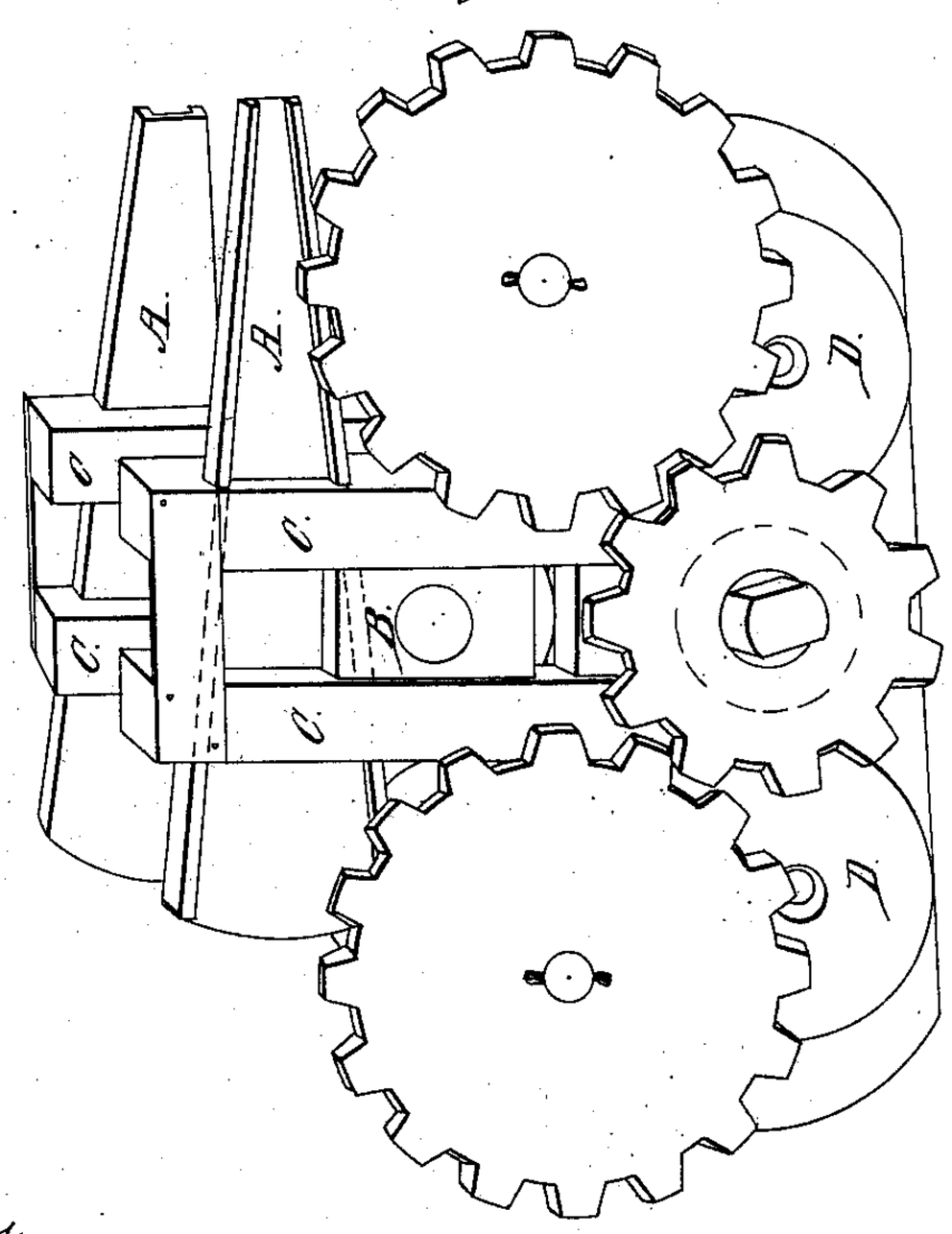


Fig. 1.



Witnesses;
Chas E. Williams,
Jas. R. Donaldson.

Inventor;
Gideon Huntington.

Sheet 2 - 2 Sheets.

G. Huntington,

Making Wagon Tires,

No. 69,916. Patented Oct. 15, 1867.

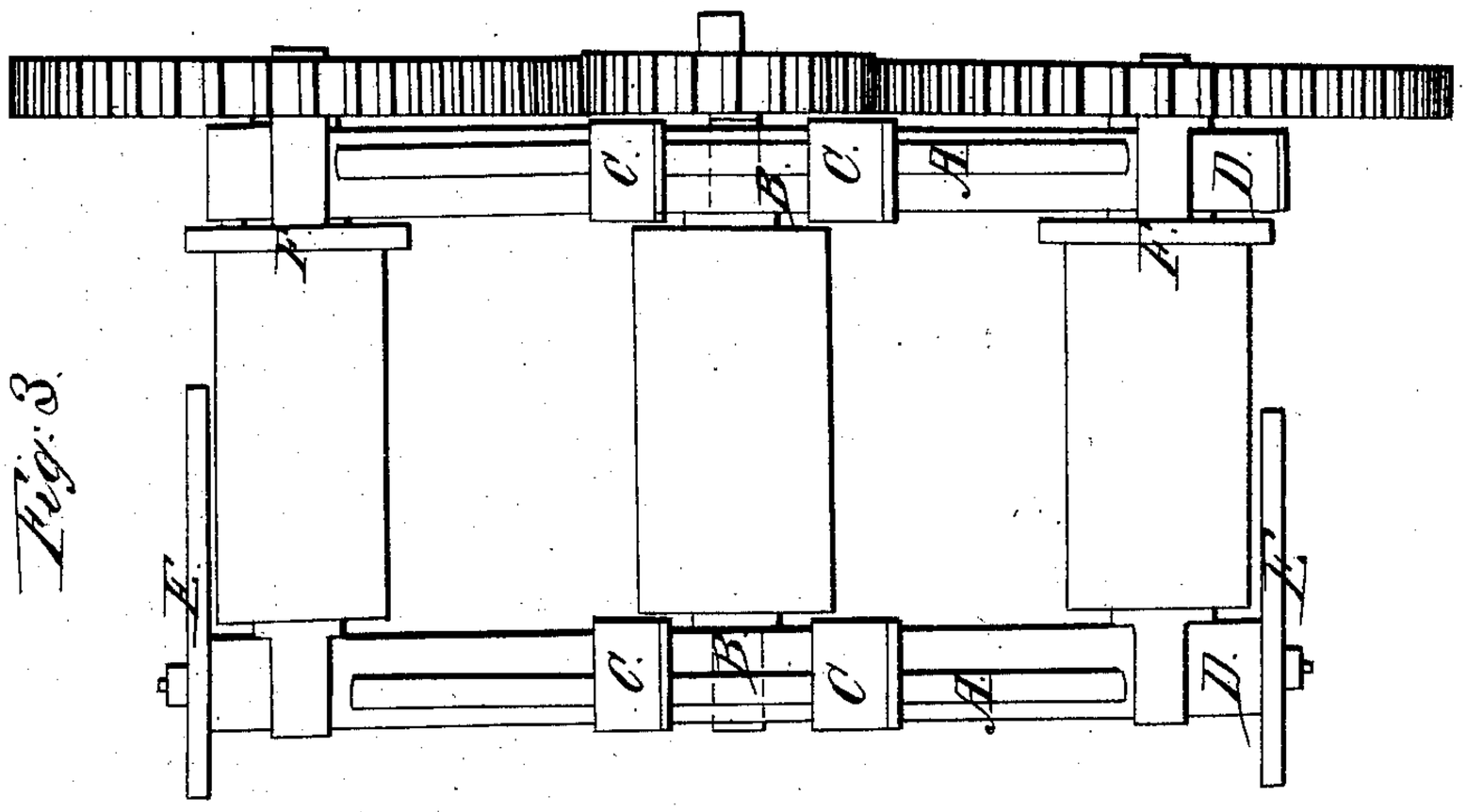


Fig. 3.

Witnesses;
Chas. E. Williams,
Jas. R. Donaldson.

Inventor;
Gideon Huntington.

United States Patent Office.

GIDEON HUNTINGTON, OF NORWICHVILLE, CANADA WEST.

Letters Patent No. 69,916, *dated October* 15, 1867: *antedated September* 27, 1867.

IMPROVED BENDING MACHINE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GIDEON HUNTINGTON, a citizen of the United States, but now a temporary resident of Norwichville, Canada West, have invented a new and improved Machine for Bending the Tires of Carriages, Wagons, and other Vehicles; and I do hereby declare that the following is a full and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification. in which—

Figure 1 represents a side view, and

Figure 2 an end view, and

Figure 3 a top view.

It consists of two rests or sills D, on which are placed two rollers, on which are two flanges F F. On the end of each of said rollers is a cog-wheel, which meshes into the driving-wheel in the centre; and in the centre of said sills are two posts or uprights C C. At each side, and between said uprights, are placed the boxes B that receive the journals of the centre roller. Near the top of said uprights are mortises to receive the wedges or keys A A that raise and lower the centre roller. By means of the flanges on the side of said keys, and corresponding grooves, one near the upper end of the mortise, and the other in the upper end of the boxes which support the roller, said roller may be raised or lowered, to suit the required size of circle, by moving the keys to the right or left. At the ends of the sills above mentioned is placed an adjustable gauge for the purpose of keeping the tire straight while passing through the machine, and is adjusted by means of a slot and thumb-screw.

The action of the machine is as follows: First adjust the centre roller, by means of the keys, to produce the desired circle. Then place the tire over the end rollers, with one edge against the flanges, and underneath the centre roller. Then place the adjustable gauges to the opposite edge of the tire. Then turn the centre driving-wheel by means of a crank.

What I claim for my invention is—

1. The flanged keys A A, in combination with the grooved journal-boxes and mortises in the uprights, when constructed and arranged to operate as described.

2. In combination with the above, and with the rolls, I claim the stationary and adjustable guides, when arranged and operating substantially as described.

GIDEON HUNTINGTON.

Witnesses:

FRANCIS R. BEAL,

L. R. MOSHER.