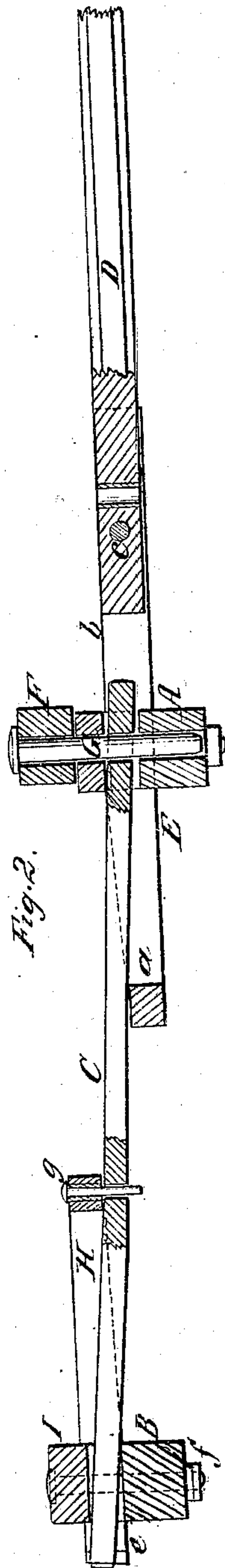
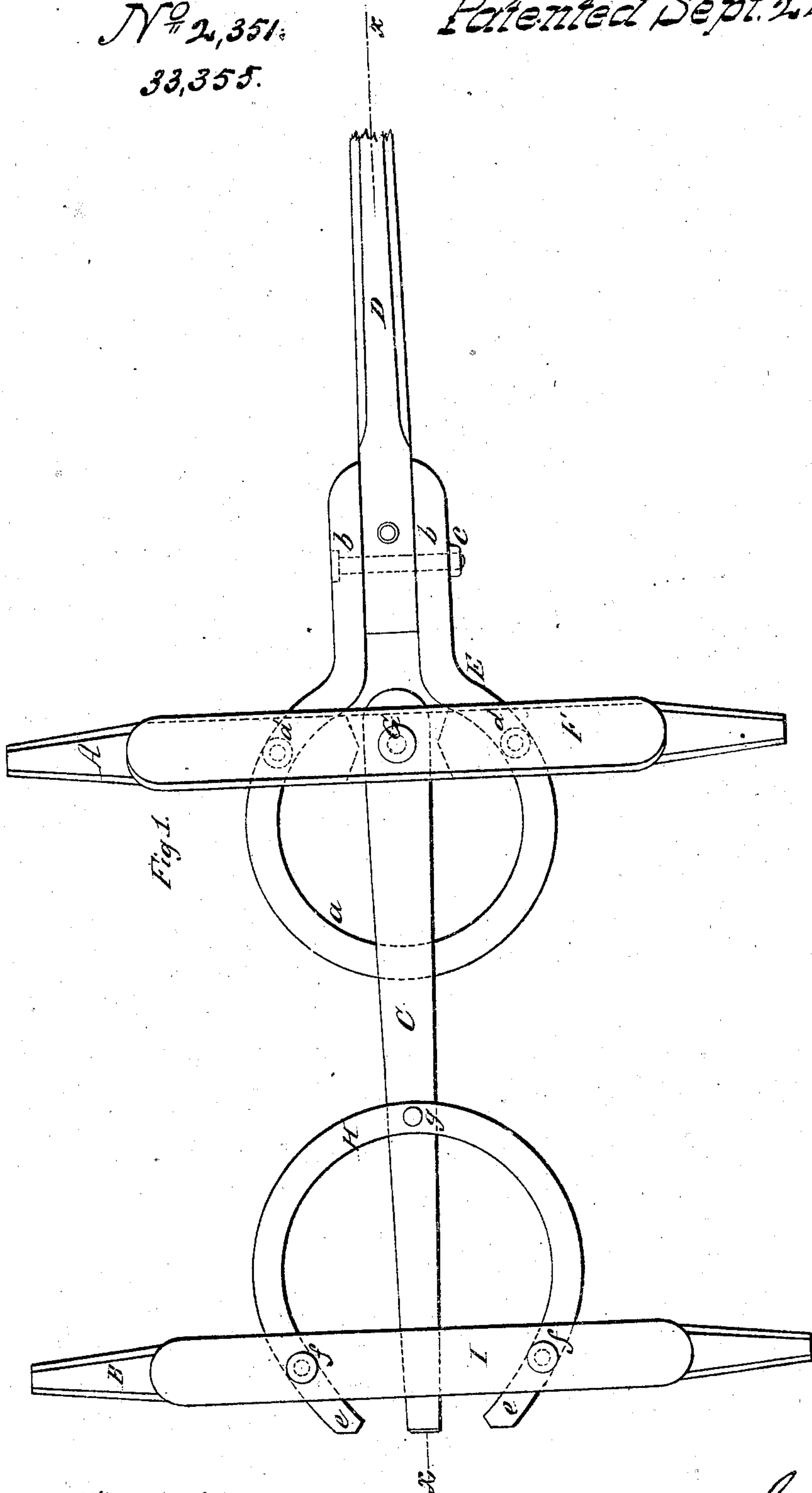


J. Maddock.
Fifth Wheel.

N^o 2,351.
33,355.

Patented Sept. 24, 1861.



Witnesses

W. L. Coombs
W. Tusch

Inventor.

John Maddock
by Munn & Co
Attys

UNITED STATES PATENT OFFICE.

JOHN MADDOCK, OF DUBUQUE, IOWA.

IMPROVEMENT IN THE HOUNDS OF CARRIAGES.

Specification forming part of Letters Patent No. 33,355, dated September 24, 1861.

To all whom it may concern:

Be it known that I, JOHN MADDOCK, of Dubuque, in the county of Dubuque and State of Iowa, have invented a new and useful Improvement in Wheel-Vehicles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a plan or top view of my invention. Fig. 2 is a section of the same, taken in the line *x x*, Fig. 1.

Similar letters of reference indicate corresponding parts in the two figures.

This invention relates to an improvement in the hounds of wheel-vehicles, whereby the construction of the running-gear of vehicles is greatly facilitated, considerable "stuff" or stock saved, and durability increased.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents the front and B the back axle of a vehicle; C, the perch or reach, and D the draft-pole.

E represents the front hound, which is formed of a single piece of wood steamed and bent so that its back part *a* will be of circular form, and its front part is formed of parallel ends *b b*, as shown clearly in Fig. 1. The back end of the draft-pole E is fitted between the parallel parts *b b* of the hound, and are secured in proper place by a bolt *c*. The hound E passes through the front axle A, and is firmly secured therein by bolts *d d*, (shown by dotted lines in Fig. 1,) and the front bol-

ster F and front axle are connected by a king-bolt G, as usual. The hound E thus constructed and applied answers, and, in fact forms, a part of the fifth-wheel of the vehicle.

H represents the back hound or brace of the vehicle. This hound is formed of a piece of wood steamed and bent so as to form the greater portion of a circle, as shown clearly in Fig. 1. The ends *e e* of this hound pass between the back axle B and back bolster I, and the hound is secured between said axle and bolster by bolts *f f*. The front part of hound H is connected to the reach C by a bolt *g*. By this arrangement it will be seen that the running-gear of wheel-vehicles may be constructed with great facility, as all the mortises and tenons required in the ordinary hounds are avoided, while the hounds constructed according to my invention are exceedingly strong and durable, and may not only be constructed economically, but also applied to the vehicle very expeditiously at a small cost.

I do not claim, broadly, irrespective of construction, application, and arrangement a semicircular or bent brace; but

I do claim as new and desire to secure by Letters Patent—

Having the front hound E of a wheel-vehicle steamed and bent in circular form and applied to the vehicle, substantially as and for the purposes set forth.

JOHN MADDOCK.

Witnesses:

GEO. M. STAPLES,
M. S. ROBISON.