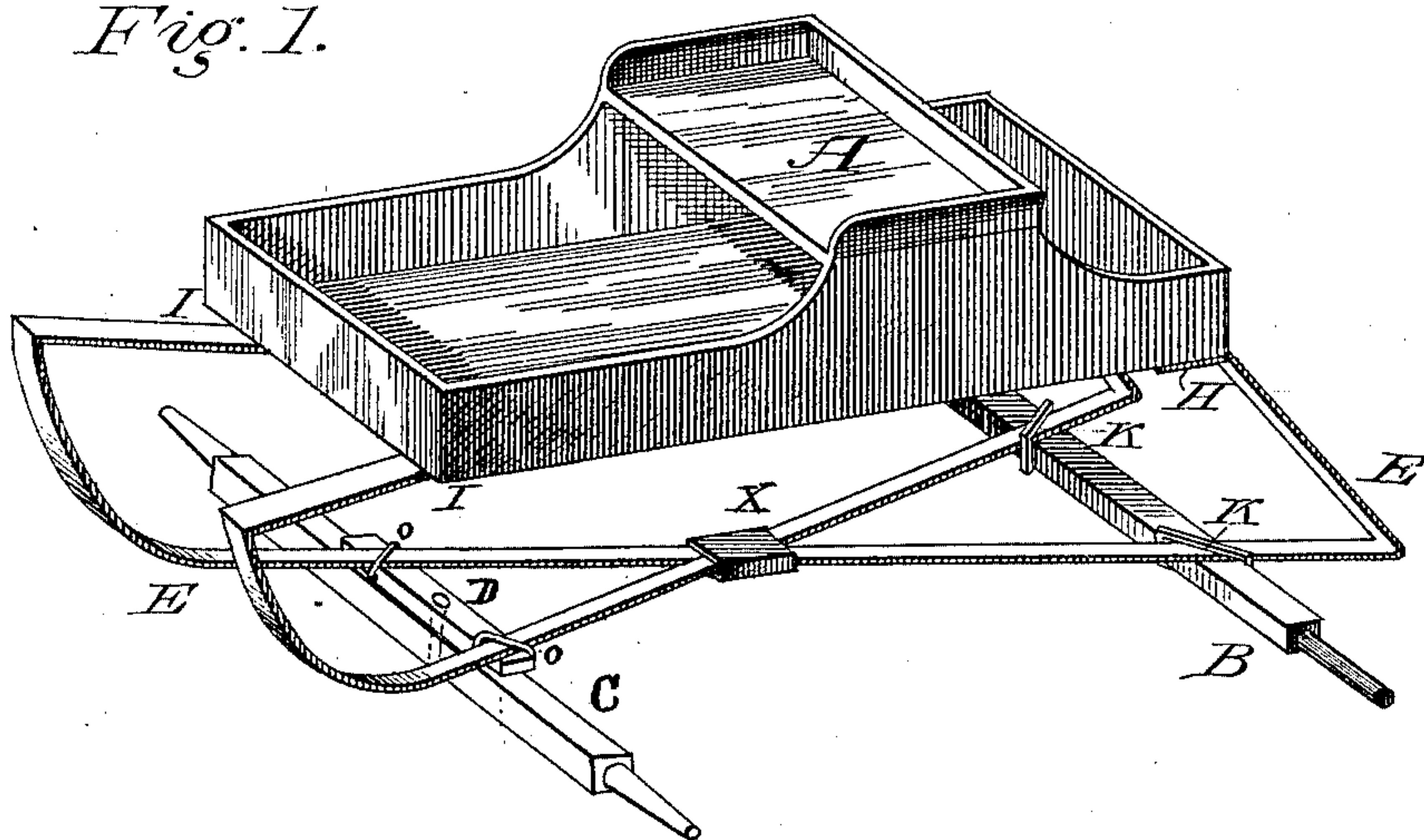


J. G. OULSON.  
Vehicle.

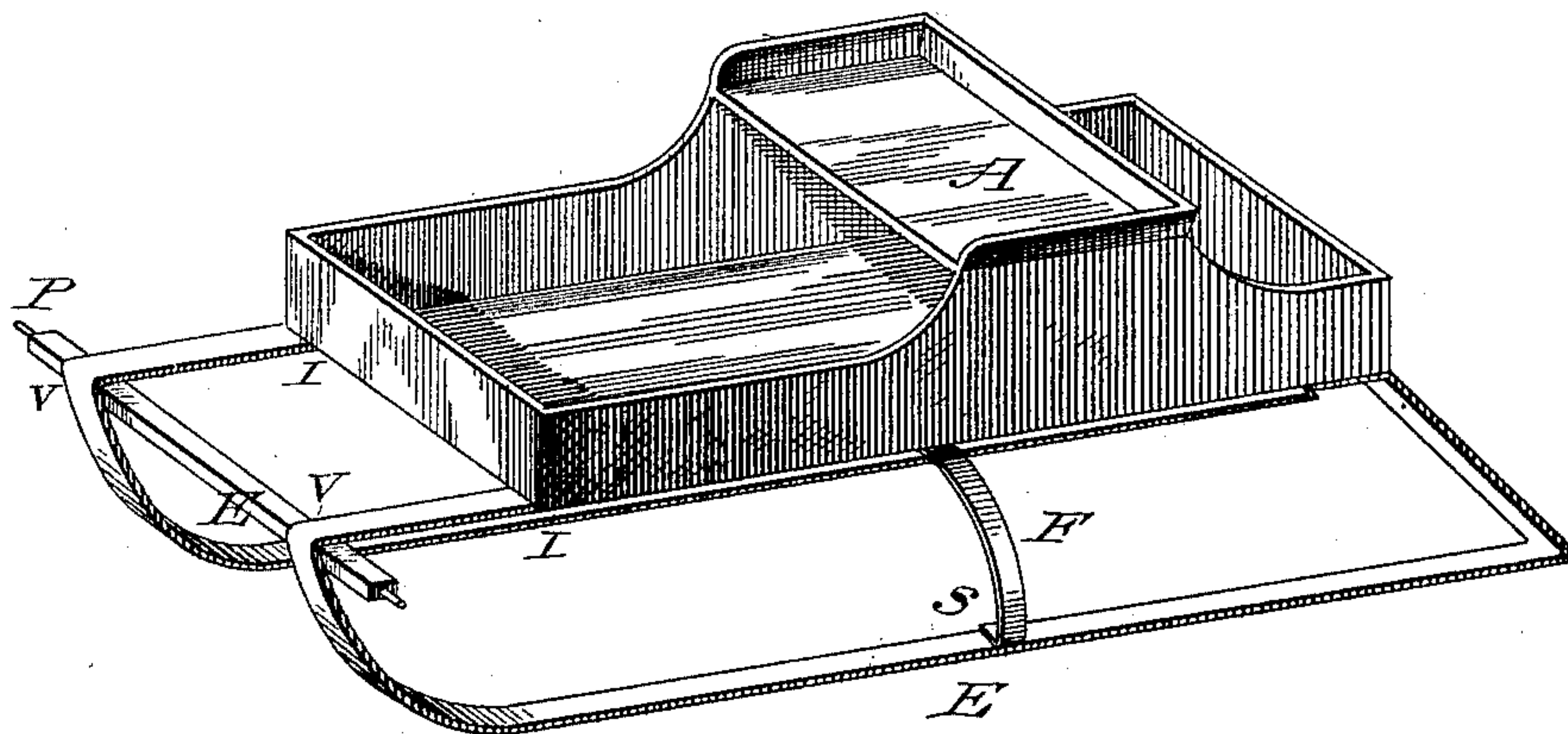
No. 223,063.

Patented Dec. 30, 1879.

*Fig. 1.*



*Fig. 2.*



*Witnesses:*

*W. Leverett*  
*W. Leverett*

*Inventor:*

*John Guibelbaron Oulson.*

# UNITED STATES PATENT OFFICE.

JOHN G. OULSON, OF UPPER ALTON, ILLINOIS.

## IMPROVEMENT IN VEHICLES.

Specification forming part of Letters Patent No. **223,063**, dated December 30, 1879; application filed June 7, 1879.

*To all whom it may concern:*

Be it known that I, JOHN GUIELBARHON OULSON, of Upper Alton, in the county of Madison and State of Illinois, have invented a new and useful Device for Combining a Sleigh and Wheeled Vehicle, of which the following is a specification.

The invention relates to any and all horse-propelled wheeled vehicles, whereby they can be converted into sleighs by their own materials differently arranged.

The object of my invention is to provide an arrangement for converting a buggy into a sleigh or cutter by using the springs of the buggy (which also serve as connecting-rods for the buggy) as runners for the sleigh by simply arranging them differently on the same buggy-box; and the invention is described more minutely as follows:

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a perspective of a device embodying my invention as applied to a wheeled vehicle. Fig. 2 represents the device as applied to a sleigh.

In Fig. 1, A is a common ordinary buggy-box; B, the hind axle; C, the front axle; D, the bolster; E E, the buggy springs or runners, which are made of spring-steel, or that part of them which needs to spring.

To arrange my device as a buggy, cross the springs E E and secure them to the axle B at K K, and on the bolster D at o o, by means of clips, and secure the buggy-box A to them at H and i i by means of bolts, and stay them by a clip at x.

To arrange my device into a sleigh, release the springs E E by unscrewing the clips at K K, o o, and x, remove the running-gears of the buggy, unscrew the bolts at i i, and place the springs or runners parallel and bolt them on the buggy-box A at I I, in the manner as shown in Fig. 2. Then bolt the brace F to the runners at S, and secure it underneath the box A by a bolt. More similar braces may be used, if needed. Then fasten on the thill-bar P by means of clips at the points V V, and the sleigh is complete.

The brace remains on the buggy-box all the time, both as a buggy and a sleigh. It has a plate-step screwed on at S for a step to the buggy-box, and on the sleigh it is used for a brace with the step-plate removed.

I do not confine myself strictly to this mode of using my device. The runners could be made rigid and have springs applied to them.

What I claim is—

The combination of the spring-runners E with the body A, clips K, axles B and C, and bolster D, the said runners being adjustable on the body, as described, whereby they are adapted to serve either as springs for a wagon or as runners for a sleigh, substantially as described.

JOHN GUIELBARHON OULSON.

Witnesses:

W. LEVERETT,  
C. W. LEVERETT,  
F. D. WOOD.