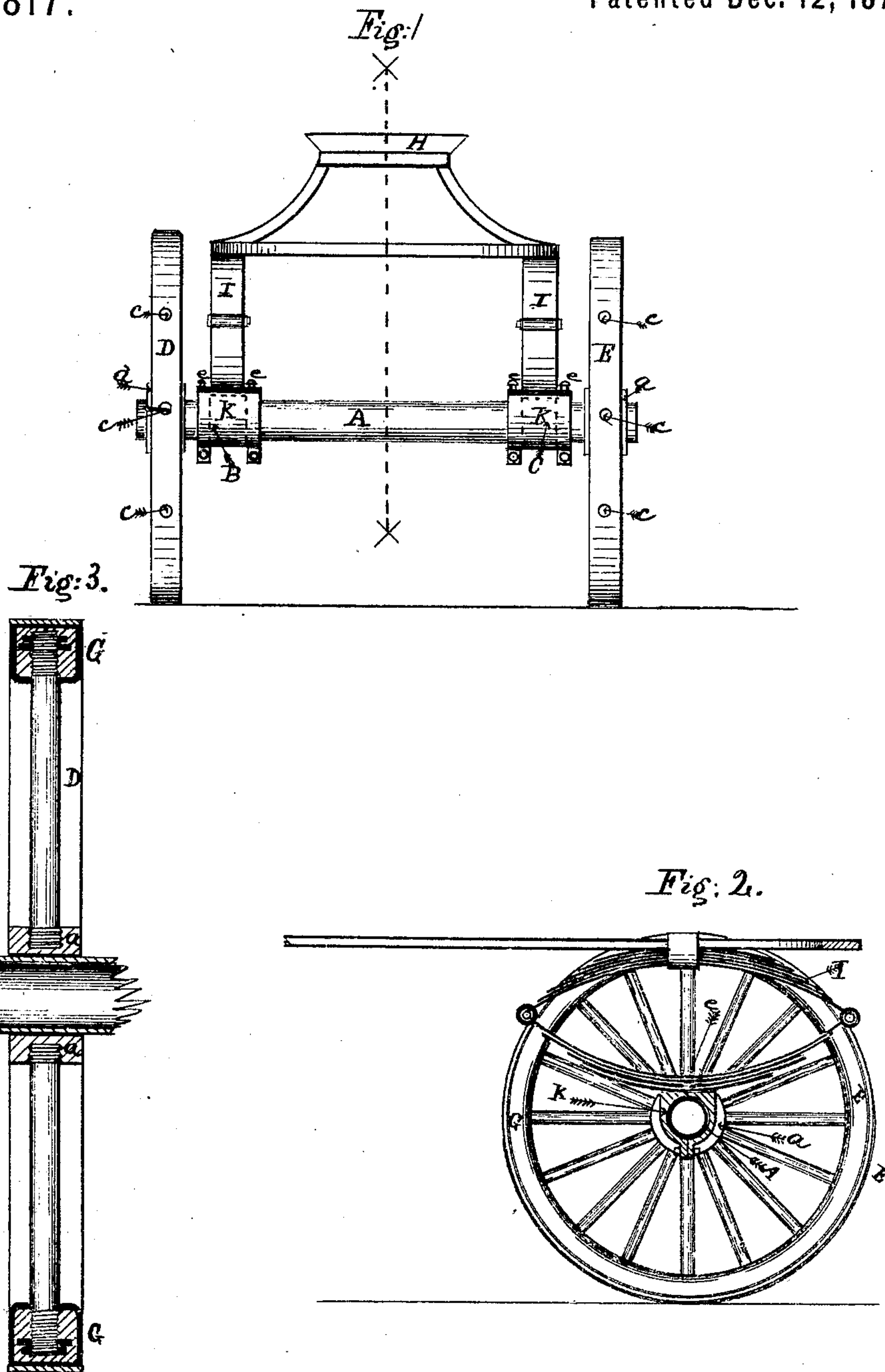


THOMAS S. SEABURY.

Improvement in Sulky.

No. 121,817.

Patented Dec. 12, 1871.



Witnesses.  
 Franklin Burrill  
 A. C. Grondal.

Inventor.  
 Thomas S. Seabury  
 per Henry Gerner  
 his Att'y.

# UNITED STATES PATENT OFFICE.

THOMAS S. SEABURY, OF ST. JAMES, NEW YORK.

## IMPROVEMENT IN SULKIES.

Specification forming part of Letters Patent No. 121,817, dated December 12, 1871.

*To all whom it may concern:*

Be it known that I, THOMAS S. SEABURY, of St. James, in the county of Suffolk, State of New York, have invented certain Improvements in Sulkies and other light vehicles, of which the following is a specification:

The object of my invention is to construct and build sulkies and other light vehicles which shall be lighter and stronger than those ordinarily used, which can be oiled and greased without removing the wheels, and which shall not be liable to accidents by losing the wheels.

Figure 1 is a back view of a sulky embodying my invention. Fig. 2 is a cut section through line *x x*, Fig. 1. Fig. 3 is an enlarged cut section view of the wheel.

A is the axis, and is formed of an iron pipe, on which is shrunk two pieces of steel pipe B, and C. To the end of this axis are securely fastened the two wheels D and E, which are constructed in the following manner: The naves *a a* are cast or formed of any desired material, such as brass, cast-iron, or malleable iron. In the center of these naves are bored out holes, into which the axis A fits exactly, and the wheels are shrunk on or otherwise fastened to said axis. In the circumference of the naves are bored out a series of holes of equal distance from each other, tapped and threaded. Into these threads are fastened the spokes F F, which are constructed or formed of iron pipe with screw-threads at their ends. The rims G G of the wheels are construct-

ed of light bars of iron, of suitable width, formed first into a box-shape and then bent together lengthwise into a circle, the ends of which are welded together. A ring of wood, or pieces of wood describing a circle, are placed inside of the iron rims. An ordinary light tuyere is formed, which is shrunk onto the open part of the box-shaped rim and to the wood contained therein, so that both ends of the rim are flush with the tuyere. Bolts and nuts *c c* are, as ordinarily, used to hold the tuyere to the rim. The body H of the sulky rests on springs I I, and to these springs are attached the journals K K, made of brass or other suitable metal, which embrace the pieces of steel pipe B and C, shrunk onto the axis A. In the upper part of these journals are bored out holes *d d*, which are closed by screws *e e*, and which, when removed, allow the pieces of steel pipe B and C, on which the journals K K run, to be oiled and greased. If so preferred ornamental suitable oil-cups may be placed in the holes *d d*, in which again may be placed wicks, which would secure a continuous supply of oil to the bearings.

Having thus described my invention, I desire to claim—

A sulky, constructed throughout substantially as described and shown.

THOS. S. SEABURY.

Witnesses:

A. C. CRONDAL,  
RICHARD GERNER.

(31)