

E. MILNER'S

BALANCED SULKY

104626

PATENTED JUN 21 1870

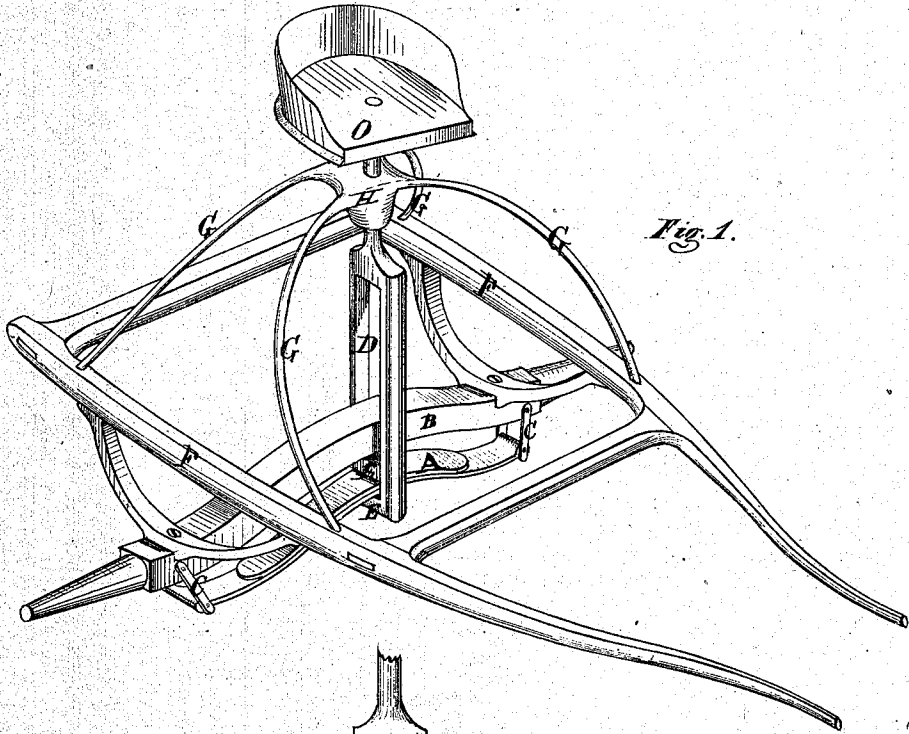


Fig. 1.



Fig. 2.

ARTIST.

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United States Patent Office.

EDWARD MILNER, OF MARQUETTE, MICHIGAN.

Letters Patent No. 104,626, dated June 21, 1870.

IMPROVEMENT IN SPRING SULKY.

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

To whom it may concern :

Be it known that I, EDWARD MILNER, of Marquette, in the county of Marquette and State of Michigan, have invented a new and useful Improvement in Balance-spring Sulky; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon, and being a part of this specification, in which—

Figure 1 is a perspective view of my invention, and Figure 2, a plan view of the forked spindle.

Like letters indicate like parts in each figure.

The nature of this invention relates to an improvement in the construction of spring sulkies, and consists in placing the seat on the top of a forked spindle, the lower end of which rests upon a spring, and so arranged that the weight imposed upon the seat will always rest upon the center of said spring; also in the method of retaining said spindle in an upright position, and in a new and novel arrangement of the various parts.

In the annexed drawing—

A represents a spring, suspended from the axle B by the stirrups C. This spring may be supported above the axle, if desired, in the usual manner.

O is a seat, secured to the top of the forked spindle D, the lower end of which is rigidly secured to the center of the spring by means of straps E, which are so placed as to connect said spring with the spindle, and prevent the motion, vertically, of the one without communicating the same motion to the other.

Springing from and secured to the shaft-frame F are the curved risers G, which sustain the spindle-guide H, through a suitable hole in the center of which passes the upper end of the spindle, as shown.

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

1. The forked spindle D, spindle-guide H, and seat O, when arranged as herein set forth.

2. In combination with the above-named parts, the spring A, axle B, curved risers G, and shaft frame F, when arranged and operating substantially as and for the purposes herein set forth.

EDWARD MILNER.

Witnesses :

SAMUEL J. SPRAY,
FREDK. EBERTS.