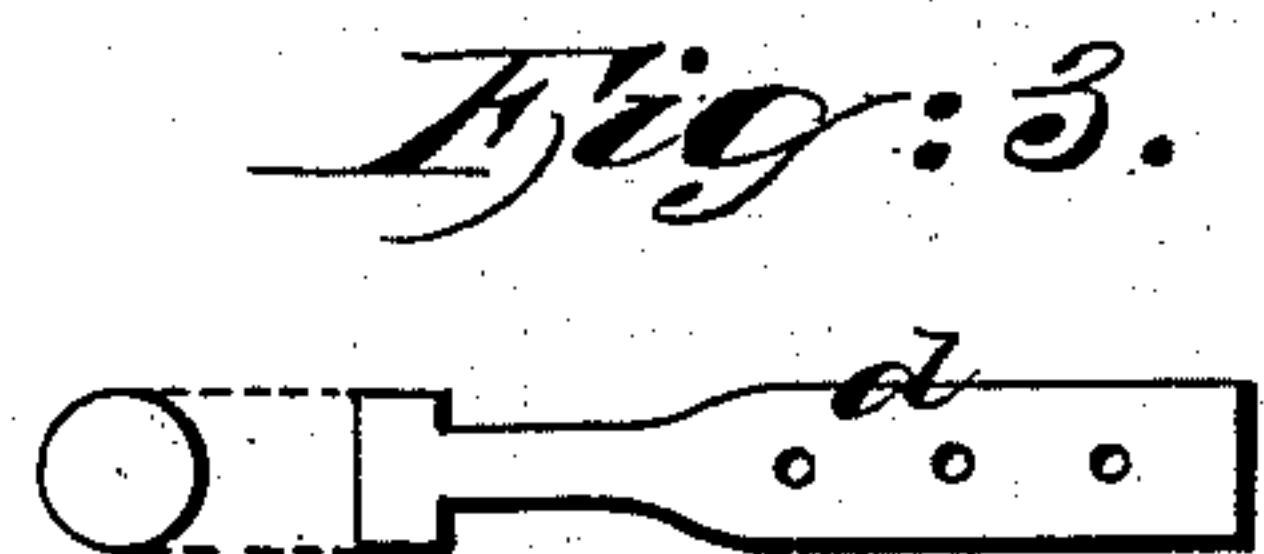
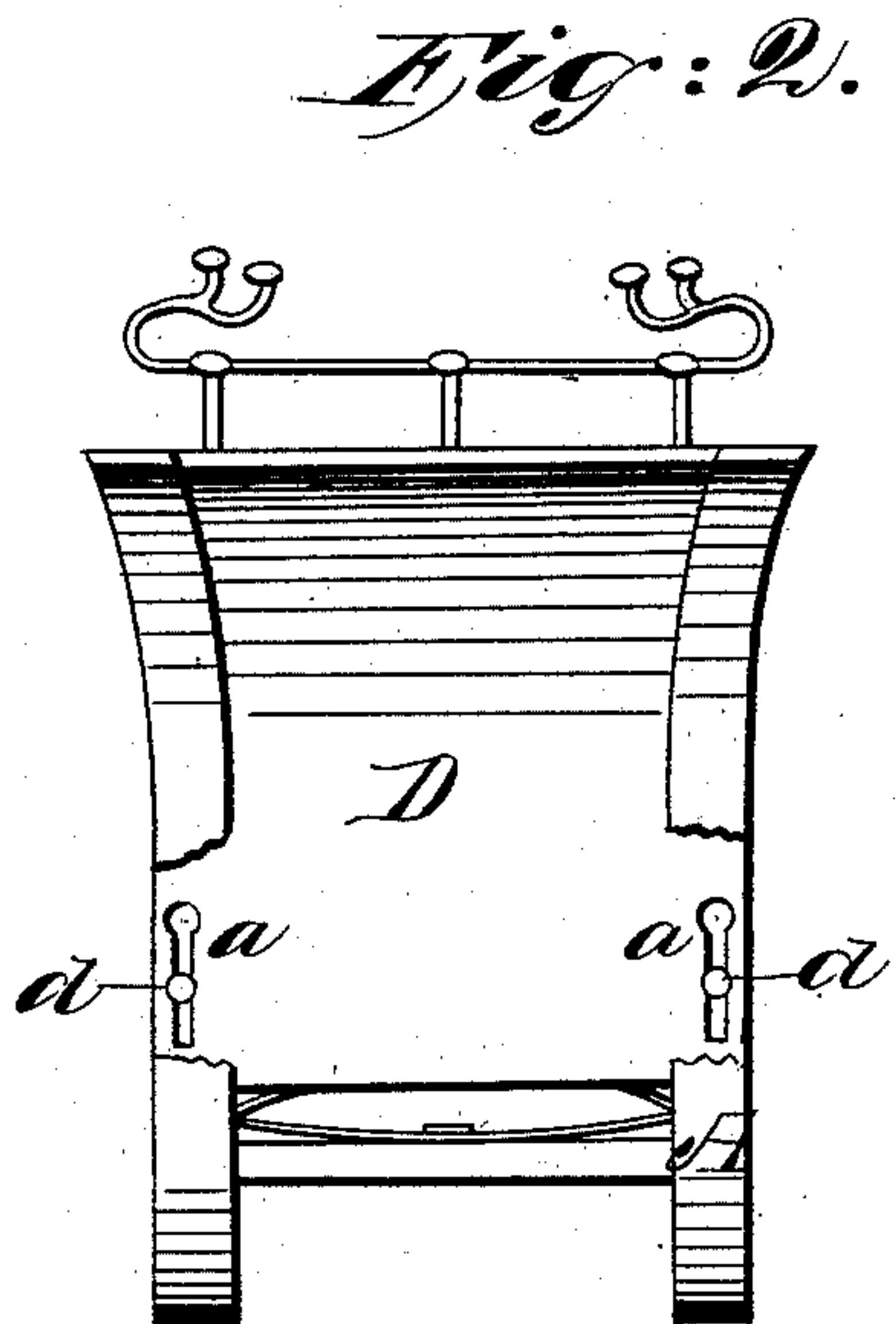
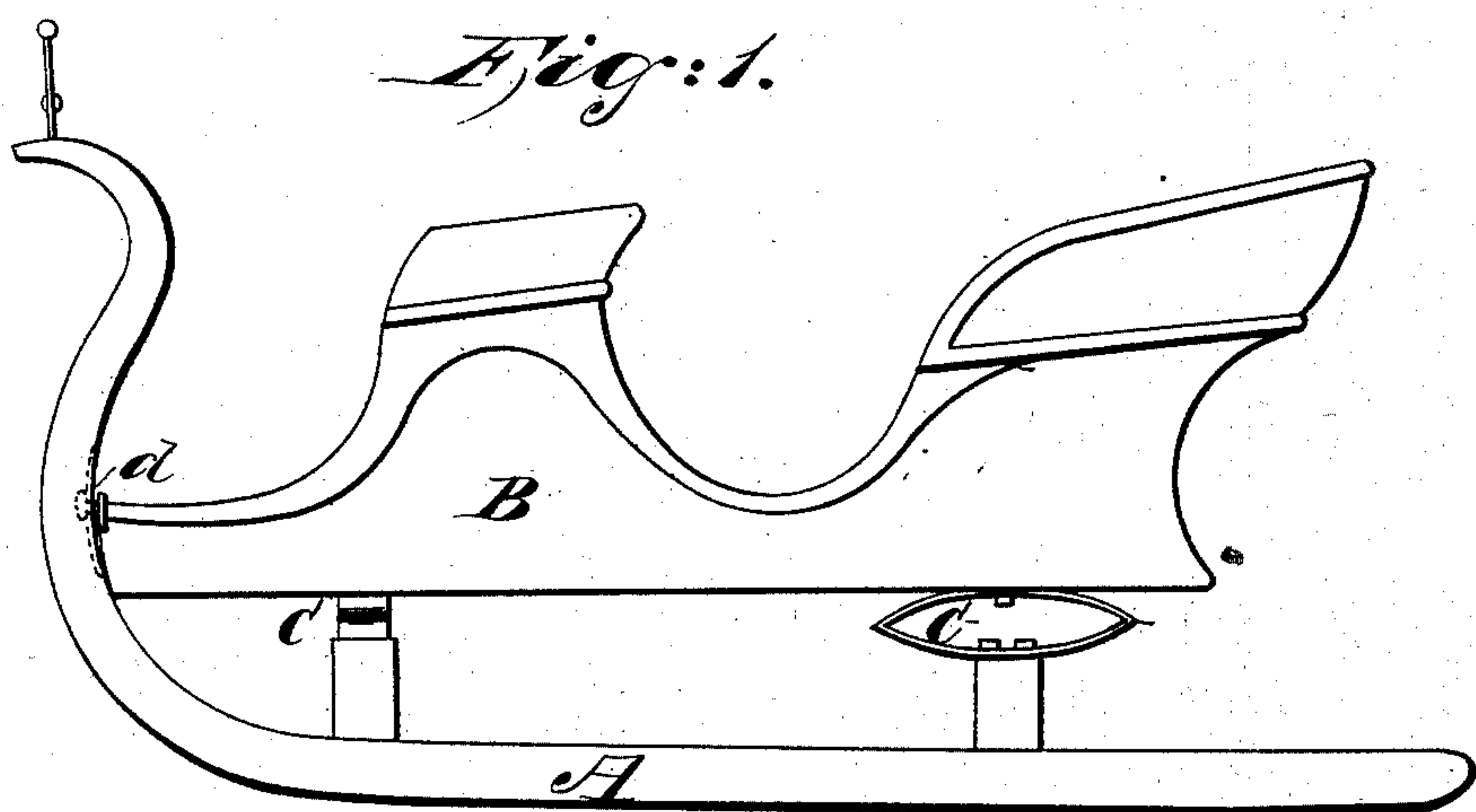


B. THOMPSON.

Spring Sleigh.

No. 74,450.

Patented Feb. 11, 1868.



Witnesses:
C. A. West
L. L. Bond

Inventor:
Bjarne Thompson

United States Patent Office.

BJARNE THOMPSON, OF CHICAGO, ILLINOIS.

Letters Patent No. 74,450, dated February 11, 1868.

IMPROVEMENT IN SLEIGHS.

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, BJARNE THOMPSON, of the city of Chicago, in the State of Illinois, have invented a certain new and useful Improvement in Sleighs; and I do declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a side elevation.

Figure 2, a front elevation.

Figure 3, a detached view of iron, *d*.

The object of my invention is to provide a device, by means of which the whole body of a sleigh, when placed on springs, may have vertical motion, and be prevented from moving laterally or longitudinally.

To enable others skilled in the art to make and use my invention, I proceed to describe its construction and operation.

The runners A, the body B, and the springs C, may be constructed in any of the known forms. In the dash-board D, I place two slots, *a*, enlarged at the top, which slots should be properly secured and strengthened by suitable irons; or, if desired, these slots may be made in the runners, the same being well turned up in front, and made broad enough for the slots. These slots are vertical, about six inches in length, and in width to be adapted to the irons they are to receive; and the location of the slot must depend on the form of the sleigh and the location of the irons, *d*. To the body of the sleigh, and in front, I firmly attach two irons, *d*, one on each side, the same being bolted or otherwise fastened to the sleigh. These irons are provided with a head, and when attached to the sleigh, they project forward far enough to allow the head of the irons to pass through the slot, when the body of the sleigh is in place, leaving a little space between the front of the sleigh and the dash-board or runners, so that the sleigh can move vertically with the action of the springs.

The foregoing description is especially adapted to sleighs having a dash-board separate from the body; but when the dash-board forms a part of the body of the sleigh, and is attached thereto, the slots must be in the runners, and such other appropriate changes must be made as will readily suggest themselves to a mechanic.

It has not hitherto been found advisable to construct sleighs with springs, because the body of the sleigh being, in front, rigidly attached to the runners, has interfered with the action of the springs. My device overcomes this difficulty. The sleigh having been constructed as described, the body is brought to its place by passing the ends or heads of the irons, *d*, through the enlarged parts of the slots, and there may be secured to the springs in the usual manner. The body of the sleigh, not being rigidly attached in front to the runners, is free to be moved vertically by the action of the springs, while the irons *d*, being provided with heads, and working in the slots, will not permit lateral or longitudinal motion. The irons *d* may be constructed as shown in fig. 3, and bolted to the bottom of the sleigh, but, in form and structure, must be adapted to the kind of sleigh with which they are to be used.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

Connecting the body of the sleigh with the front or runners, by means of the slots *a* and irons *d*, constructed and operating substantially as specified.

BJARNE THOMPSON.

Witnesses:

E. A. WEST,

L. L. BOND.