

F. B. MORSE.

Stump Joint for Carriage.

No. 81,193.

Patented Aug. 18, 1868.

Fig.1.

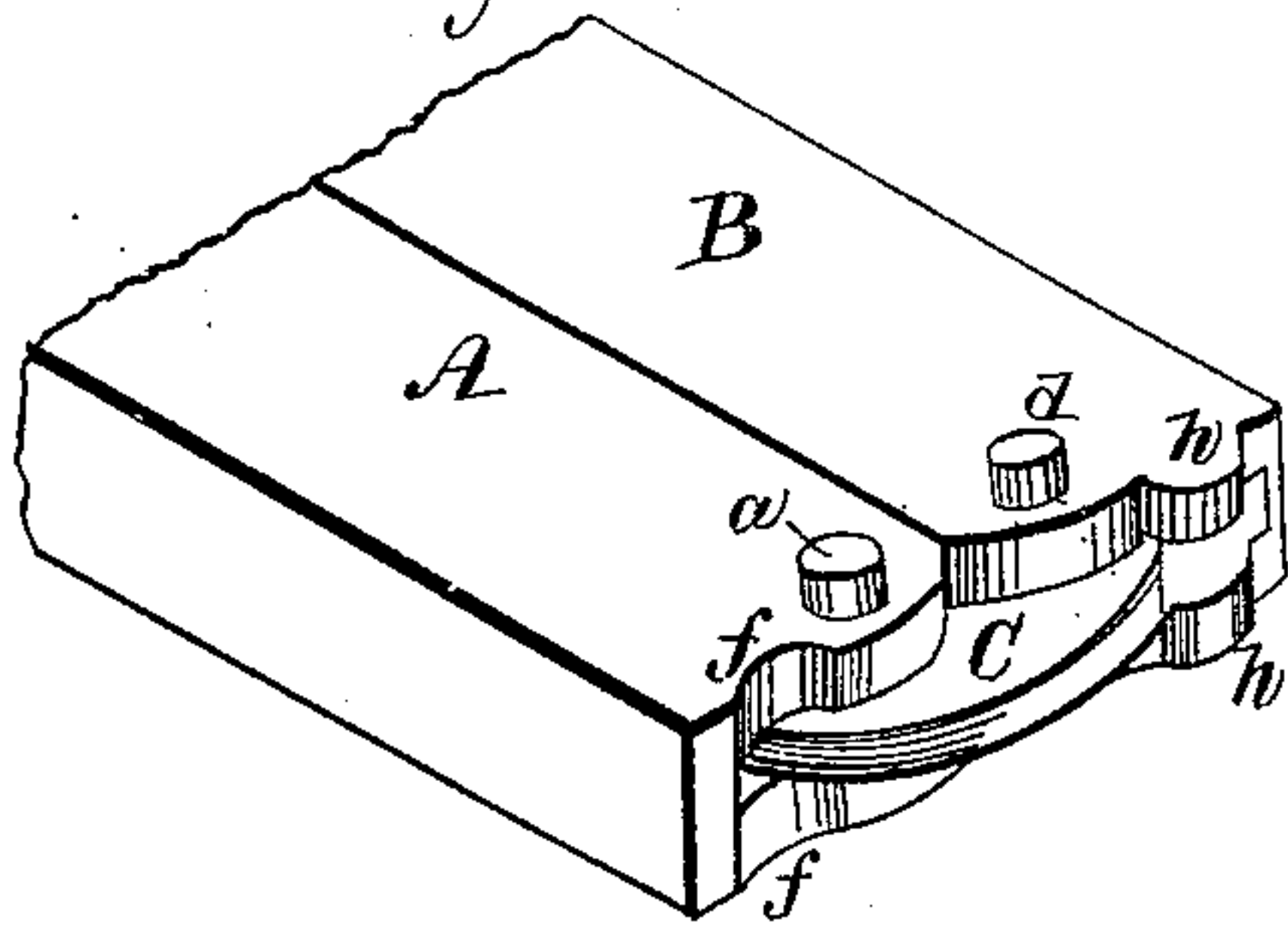
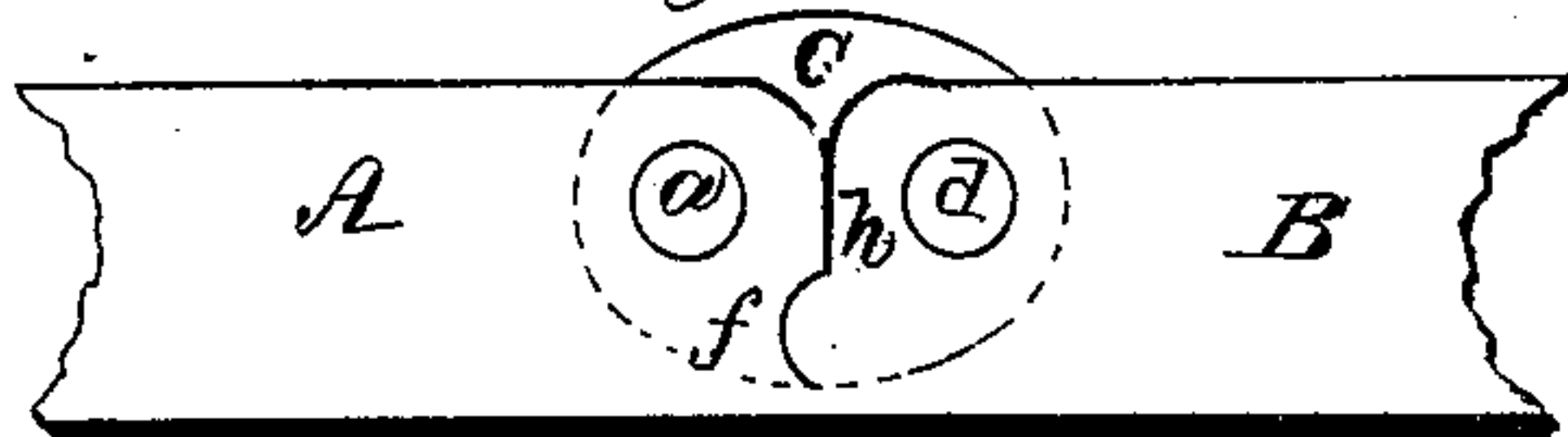


Fig.2.



Witnesses.

J. H. Shumway
a. J. Libbitt

Inventor
F. B. Morse

By his Atty.

Chas. E. Earle.

United States Patent Office.

F. B. MORSE. OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 81,193, dated August 18, 1868.

IMPROVED STUMP-JOINT FOR CARRIAGES.

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, F. B. MORSE, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Stump-Joint for Carriages; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the joint closed, and in
Figure 2 a top view of the joint open.

This invention relates to an improvement in the stump-joint for which Letters Patent were granted to me, July 28, 1868, but is alike applicable to other joints, in which the two stumps are joined by a tongue; and the invention consists in forming notches or an uneven surface upon the meeting-end of one stump, and a corresponding surface upon the other stump, so that, when the joint is open, so that the two ends meet, the irregular surface of one will mesh into the corresponding irregularities of the other, so as to strengthen the joint in that position, and prevent the shackling of the joint.

In order to the clear understanding of my invention, I will fully describe the same as illustrated in the accompanying drawings.

A is the one part, B the other; the two parts joined by a piece or tongue, C, to which each part is pivoted at *a* and *d*.

In my patent before referred to, which embodies the construction of a joint of these three parts, when the joint is open, as in fig. 2, the back of the recess in each part bears against the edge of the piece or tongue C, as a guide to bring it to and as a support to sustain it in the proper position.

By constant use, the parts are liable to more or less wear, and such wear would tend to loosen the joint and make it "shackly." To avoid this, and to relieve the connection C, I form a notch, *f*, in one part, and a corresponding projection, *h*, upon the other part, so that, when the two parts are open, as in fig. 2, the projection on the one part will enter the notch or recess in the other part, and thus serve partially as a guide, and as a chief support for the two parts in a proper position.

It will be readily seen, by those acquainted with the manufacture of such articles, that other forms of irregularity upon the end of the joint would produce the same result. I show the form, as denoted in the drawing, as being very simple, and of a cheap construction, but do not wish to be understood as confining myself to any particular form for the end of the two parts of the joint; but having fully described my invention,

What I claim as new and useful, and desire to secure by Letters Patent, is—

A stump-joint, consisting of the two parts A and B, hinged together by a connection, C, pivoted to each of the parts, forming the meeting-ends of the joint, of irregular form, the one corresponding to the other, so as to operate substantially in the manner specified.

F. B. MORSE.

Witnesses:

A. J. TIBBITS,

JOHN E. EARLE.