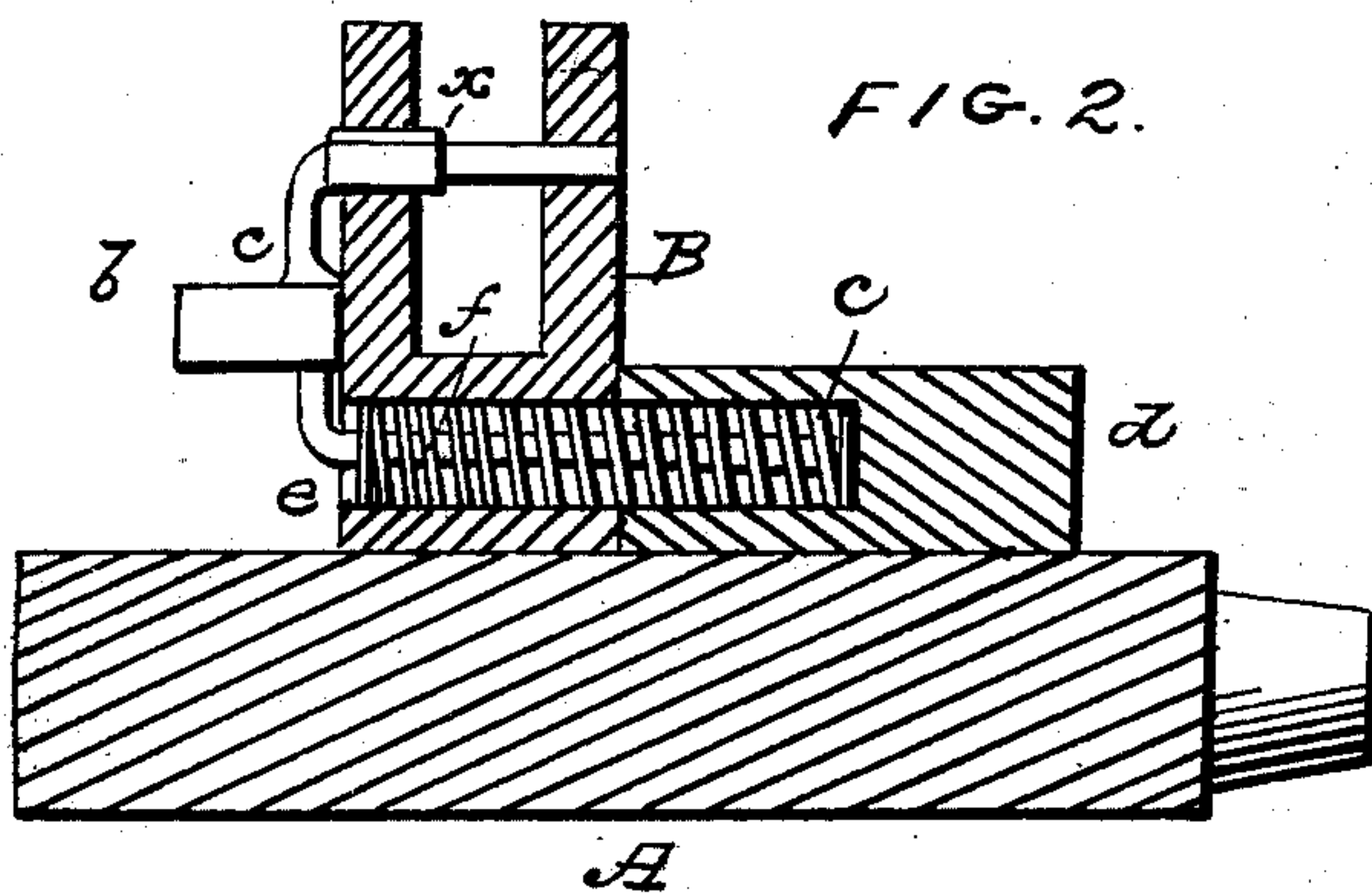
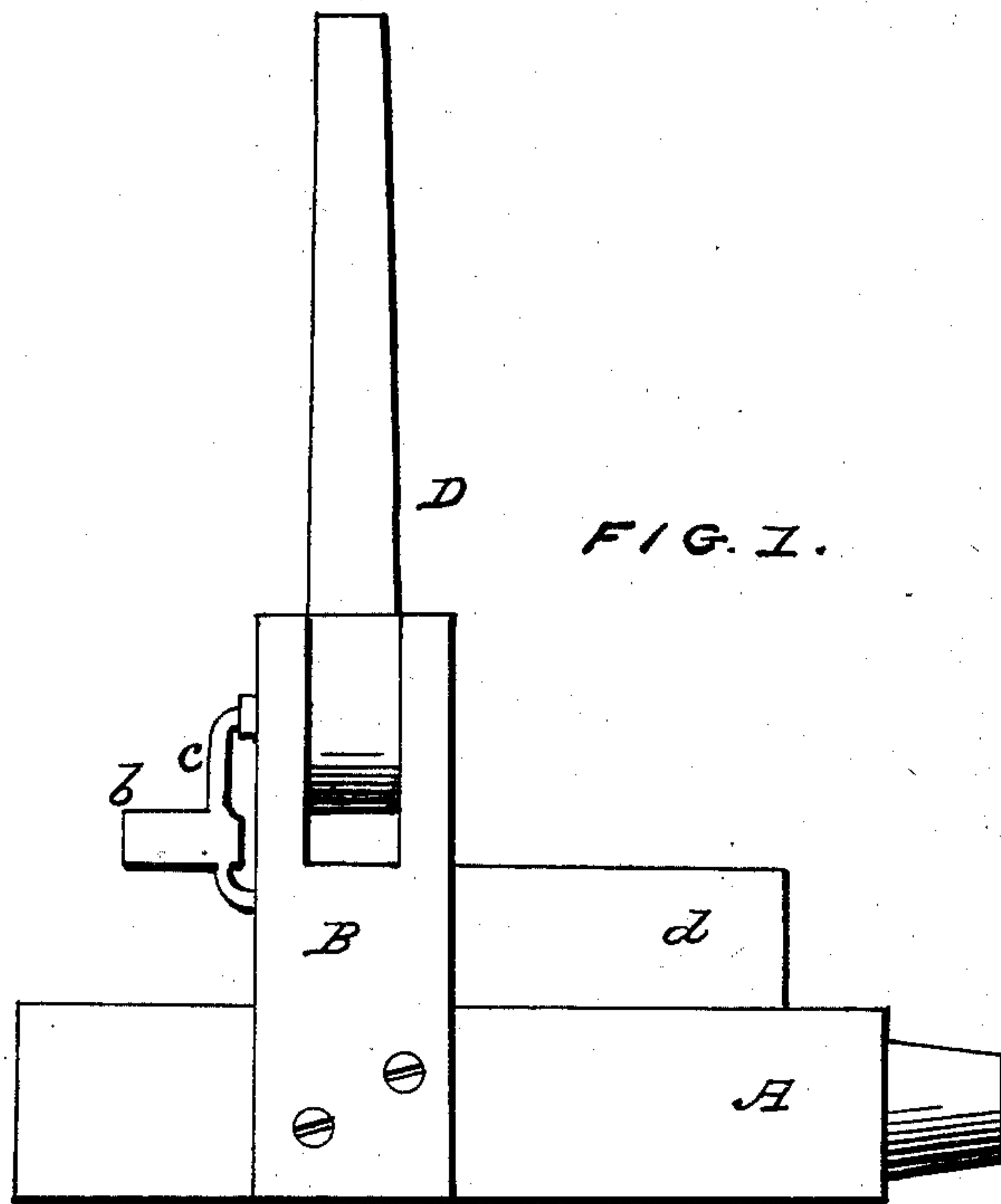


D. AUSTIN.
Shaft Coupling.

No. 74,275.

Patented Feb. 11, 1868.



WITNESSES:

V. D. Starkbridge
Charles H. Blue

INVENTOR.

Bushmore Allsbee
per
Alexander M. Watson
Atty.

United States Patent Office.

DINSMORE AUSTIN, OF UNDERHILL, ASSIGNOR TO HIMSELF AND HOMER RAWSON, OF CHITTENDEN, VERMONT.

Letters Patent No. 74,275, dated February 11, 1868.

IMPROVEMENT IN SHAFT-COUPLING.

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, DINSMORE AUSTIN, of Underhill, in the county of Chittenden, and in the State of Vermont, have invented certain new and useful Improvements in Shaft-Couplings; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and the letters of reference marked thereon.

In the annexed drawings, making a part of this specification. A represents the axle of any vehicle or carriage, and B represents the clip, provided with a barrel, *d*, by which the shafts or pole are attached to said vehicle. C represents a U-shaped or forked metallic bar or rod, the end of one of the prongs provided with a collar, *c*, and the other prong provided with a bevelled shoulder, *x*, the bar having a finger or thumb-piece, *b*, as a convenient means of operating the said bar C.

One of the prongs of the bar C is inserted in the barrel *d*, and the other through the holes of the ears of the clip B, and the whole is held in place by means of a spiral spring, *f*, which works and fits inside of the barrel *d*, and embraces the prong of the bar C which works therein, one end of said spring resting against the shoulder *e*, inside of and near the mouth or outer end of the barrel *d*, and the other end resting against the collar *c* of the prong of the bar C.

It will readily be seen that, when it is desired to attach the shafts or a pole to the vehicle, it is only necessary to insert the shaft-iron D between the ears of the clip B, and pull the bar C out, by means of the finger-piece *b*, far enough to admit the shaft-iron D, and then the bar C will be carried back to its position and through the shaft-iron D by means of the spring *f*. It will also be seen that the bevelled shoulder *x* is constantly pressing against the side of the shaft-iron D, and thereby prevents the rattling of the same.

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

The forked bar C, in combination with the spiral spring *f* and clip B, constructed substantially as and used for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 18th day of December, 1867.

DINSMORE AUSTIN.

Witnesses:

L. F. WILBUR,
M. J. WILBUR.