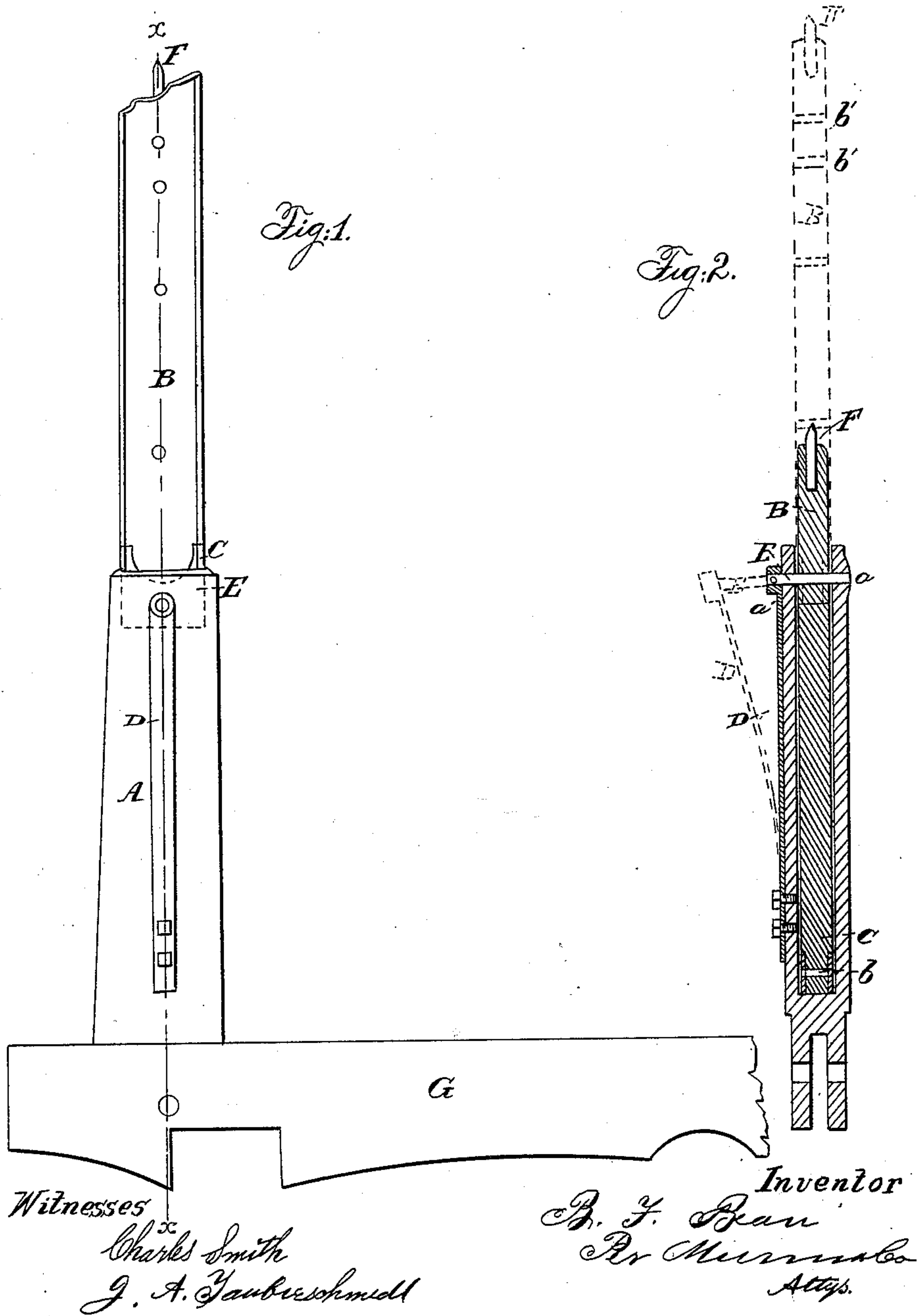


B. F. BEAN.

Wagon-Standard.

No. 35,743.

Patented July 1, 1862



# UNITED STATES PATENT OFFICE.

B. F. BEAN, OF SCHUYLKILL, PENNSYLVANIA.

## IMPROVEMENT IN WAGON-STANDARDS.

Specification forming part of Letters Patent No. 35,743, dated July 1, 1862.

*To all whom it may concern:*

Be it known that I, B. F. BEAN, of Schuylkill, in the county of Chester and State of Pennsylvania, have invented a new and useful Improvement in Wagon-Standards; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side elevation of the improved standard. Fig. 2 is a vertical section of the same at  $x x$ , showing it in two positions.

Similar letters of reference indicate corresponding parts in both views.

My said invention is particularly, (though not exclusively,) designed for wagons for hauling lumber; and it consists in a certain improved construction of standard which may be secured at its full height to support the load while the wagon is in motion, or readily lowered to facilitate the operation of loading or unloading, as will be hereinafter more fully explained.

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

A is a cast-iron socket, constituting the lower part of the standard and formed to fit and be held in the bolster of the wagon in customary manner.

B is an upper part constructed principally of wood and adapted to slide within the said socket. The slide B is incased at its lower end by an iron ferrule, C, the external diameter of which is slightly less than the internal diameter of the upper end of the socket A.

D is an elastic bar bolted at its lower end to the outside of the socket A, and carrying at its upper end a pin, E, which passes through

perforations  $a a$  near the top of the socket A and a hole,  $b$ , in the ferrule C when the slide B is elevated. By this means the said slide is held securely and rigidly at its full height. This position is represented in Fig. 1, and by red lines in Fig. 2. For loading or unloading the slide is allowed to fall within the socket, as shown in Fig. 2. This is accomplished by withdrawing the pin E, and after the slide has descended the said pin passes through an aperture,  $b'$ , therein, so as to be out of the way and to hold the parts together when the standard is not upon the wagon.

F is an iron fulcrum-pin projecting from the top of the standard to "mill" lumber on in customary manner.

G represents the wagon bolster.

In practice the socket A and slide B may each be made about a foot long; but I do not restrict myself to any specific dimensions, form, or materials. The socket may be of cast, malleable, or wrought iron, and the slide of either iron or wood.

By means of this invention a standard is afforded of sufficient height and strength for use and admitting of being readily lowered to a level with the wagon-wheel, so as to present no obstruction in loading and unloading.

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

The combination of the socket A, slide B, spring D, and pin E, constructed and adapted to operate together in manner substantially as and for the purposes specified.

B. F. BEAN.

Witnesses:

WM. H. GRISTOCK,  
JOS. B. SMITH.