

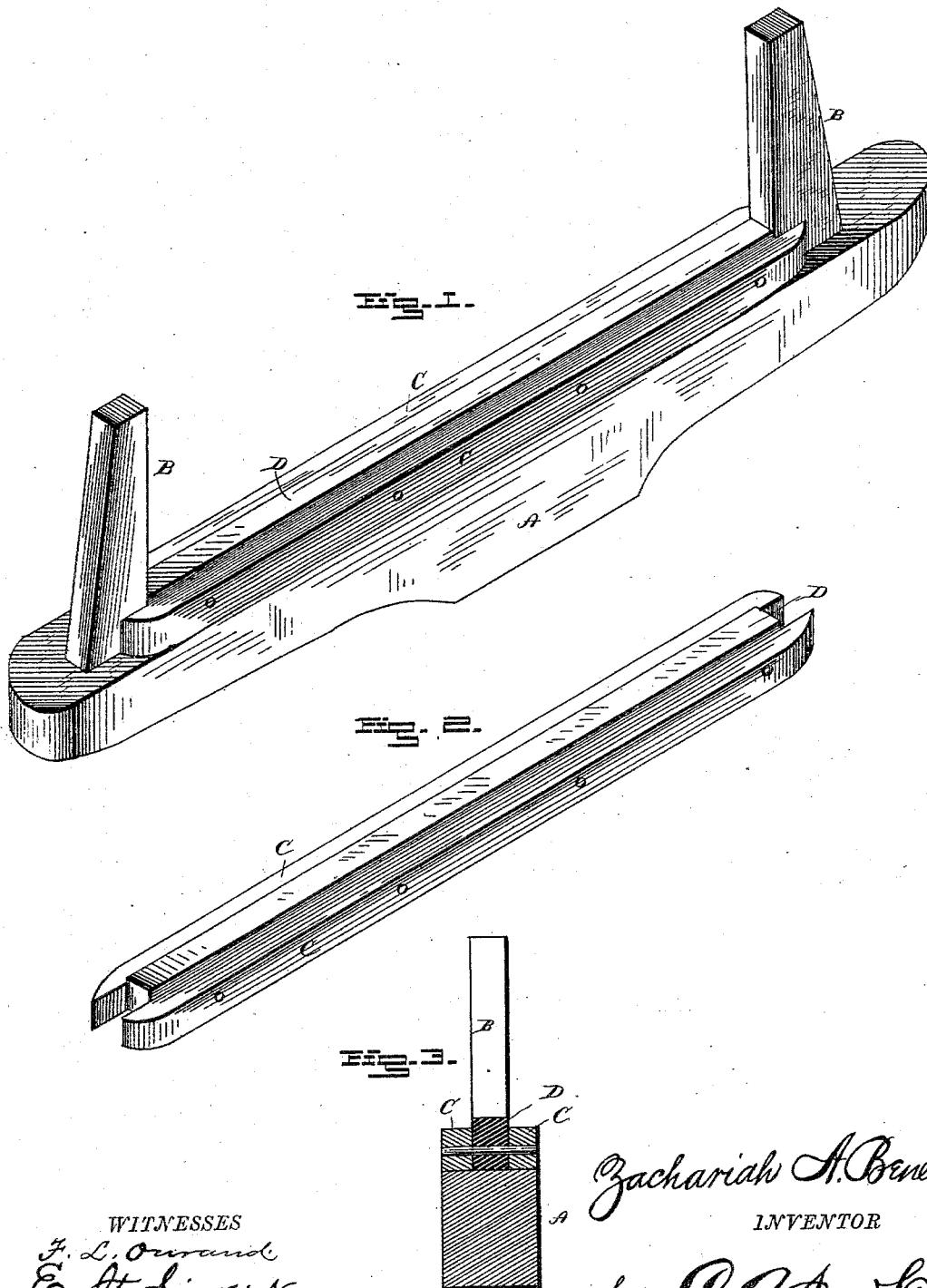
(No Model.)

Z. A. BENELL.

BOLSTER SPRING FOR WAGONS.

No. 301,552.

Patented July 8, 1884.



WITNESSES
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UNITED STATES PATENT OFFICE.

ZACHARIAH A. BENELL, OF FREDONIA, KANSAS.

BOLSTER-SPRING FOR WAGONS.

SPECIFICATION forming part of Letters Patent No. 301,552, dated July 8, 1884.

Application filed April 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, ZACHARIAH A. BENELL, a citizen of the United States, residing at Fredonia, in the county of Wilson and State of Kansas, have invented a new and useful Wagon, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to wagons, and more particularly to that class commonly known as "farm-wagons," in which the body of the wagon rests directly upon the bolster; and it has for its object to provide vehicles of this class with means whereby all rattling of the wagon-body upon the bolster is prevented and a spring or elastic cushion is provided for the same, and thus relieve the bolster of a greater portion of the strain consequent when the wagon is heavily loaded; and, further, to provide clamping-strips for holding or retaining the elastic cushion in position and bracing and thoroughly supporting the same.

With these ends in view the invention consists in the combination, with a wagon-bolster, of a strip or block of rubber adapted to be attached to the same, and designed to serve as a cushion or seat for the wagon-body.

The invention further consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a bolster having my improvement applied thereto, showing the clamping-strips for holding the same in position, and the usual uprights or standards which are usually provided at the ends of the bolster, and between which the wagon-body rests. Fig. 2 is a detail perspective view of the cushion, and Fig. 3 is a cross-section taken through one of the securing rivets or bolts.

In the accompanying drawings, in which like letters refer to corresponding parts in the several figures, A represents a bolster, which is of the ordinary construction. This bolster A is provided at its ends with uprights B, which are mortised in the bolster; or, if preferred, they may be secured thereto in any other suitable manner.

C represents clamping-strips, which are adapted to bear against the sides of the bolster-standards at their ends. Between these clamping-strips is secured a rubber strip, D, which projects a slight distance beyond the upper ends or edges of the clamping-strips C. This cushion or rubber strip is secured between the clamping-strips by means of rivets or equivalent fastening, and its lower edge is flush with the lower edges of the said clamping-strips. The clamping-strips carrying the rubber cushion may be permanently secured to the bolster; but it is preferably removably attached thereto, as shown. In order to remove the same from the bolster it is only necessary to raise the same, the ends which inclose the standards sliding thereon. By this means the cushion is securely held upon the bolster by the weight of the wagon, and yet it may be readily and easily removed at all times for the purpose of repair, if such should be found necessary, though it will be readily apparent that its construction is durable and not likely to become detached or need repairs. It will also be obvious that by its use the objectionable rattling of the wagon-body upon the bolster, as is incident to this class of vehicles in passing over rough roads, especially when they are not heavily loaded, is prevented. When loaded, it forms an elastic cushion for the wagon-body and relieves the bolster of a greater portion of the strain to which it is subjected when loaded, as above mentioned. It will be further obvious that it may be manufactured and supplied at a slight cost, and that it affords serviceable and effective means for the purposes for which it is designed.

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

1. The combination, with the bolster of a wagon, of a rubber cushion and clamping or securing strips adapted to inclose or bear against the sides of the standards of said bolster, said cushion projecting above the upper edges of the clamping-strips at its upper end, its lower end being flush with the same, substantially as set forth.

2. A detachable cushion for wagons, con-

sisting of a strip of rubber having secured to
its sides clamping-strips which project beyond
the end of said rubber cushion, said cushion
projecting a slight distance above the upper
5 edges of said clamping-strips and flush with
the same at its lower edge, substantially as
set forth.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
presence of two witnesses.

ZACHARIAH A. BENELL.

Witnesses:

J. D. ALLEN,
B. F. SHINN.