(No Model.)

F. ROBERTS & G. PULLEN.

EXTENSION BOLSTER.

No. 454,620. Patented June 23, 1891.

Fig. 1.

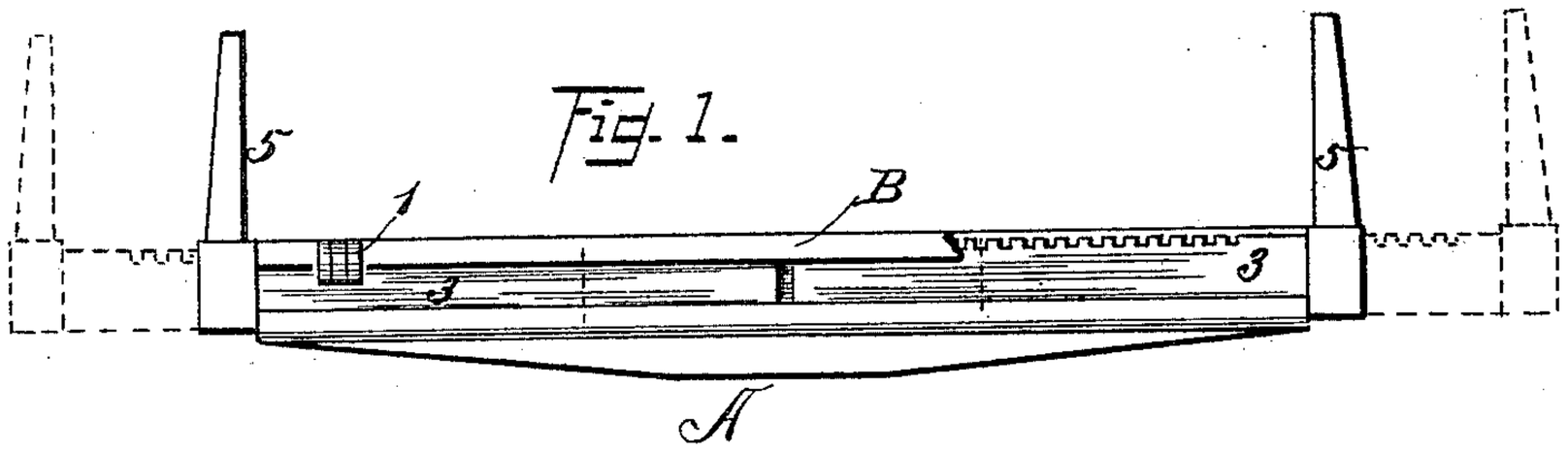


Fig. 2.

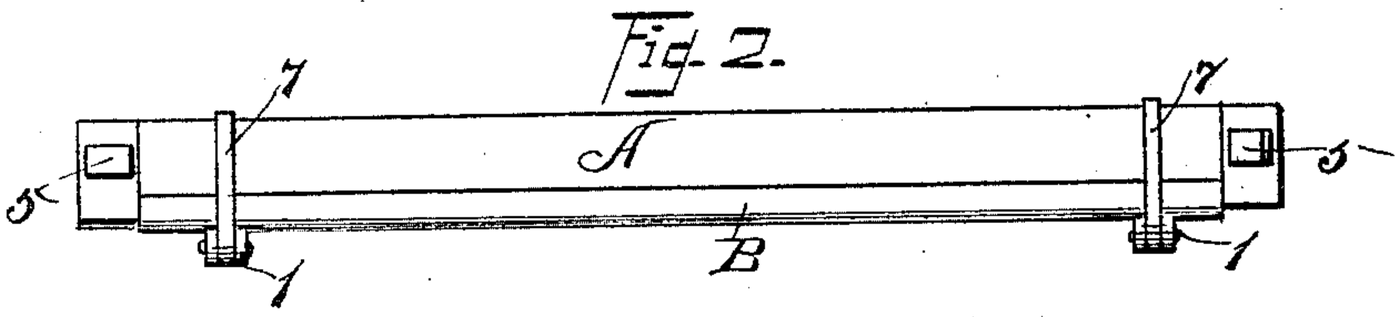


Fig. 3.

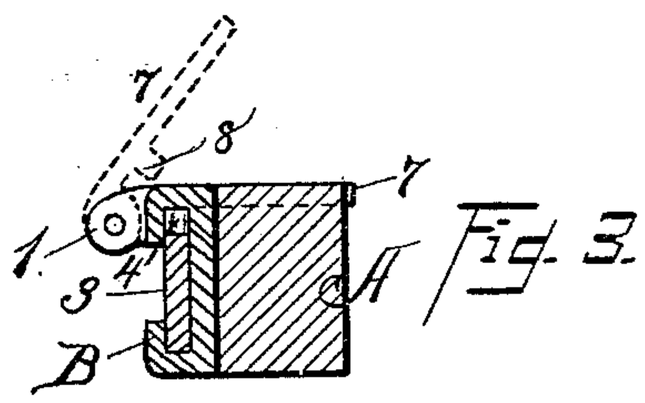


Fig. 4.

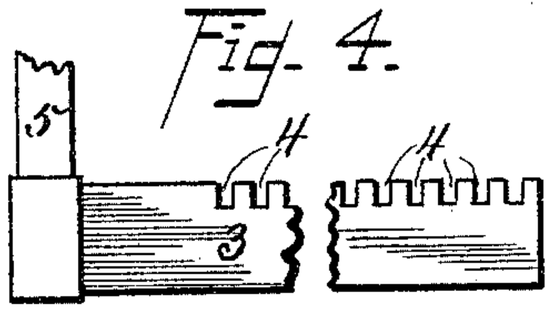


Fig. 5.

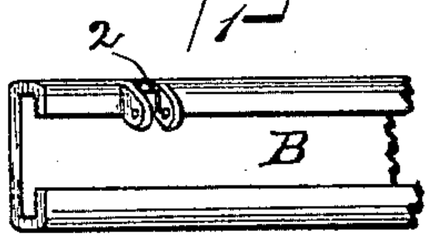
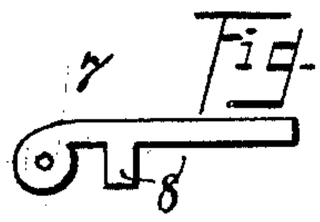


Fig. 6.



Witnesses
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By their Attorneys
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UNITED STATES PATENT OFFICE.

FRANK ROBERTS AND GEORGE PULLEN, OF OSWEGO, NEW YORK.

EXTENSION-BOLSTER.

SPECIFICATION forming part of Letters Patent No. 454,620, dated June 23, 1891.

Application filed February 12, 1891. Serial No. 381,155. (No model.)

To all whom it may concern:

Be it known that we, FRANK ROBERTS and GEORGE PULLEN, of Oswego, in the county of Oswego, in the State of New York, have invented new and useful Improvements in Extension-Bolsters, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

Our invention relates to extensible bolsters.

Our object is to provide a bolster for heavy wagons, which may be readily and easily adjusted to any width, cheap and durable in construction, and of great utility.

Our invention consists in the several novel features of construction and operation hereinafter described, and which are specifically set forth in the claims hereunto annexed. It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of the bolster complete detached, showing it extended in dotted lines. Fig. 2 is a top plan thereof. Fig. 3 is a transverse section through one of the keys. Fig. 4 is a view of one end of the tongue carrying the stake. Fig. 5 is a view of one end of the attachments detached with the key removed. Fig. 6 is a detached view of the eccentrically-pivoted key.

Similar letters and figures of reference indicate corresponding parts.

A is an ordinary stationary bolster of the wagon, and B is the C-shaped piece of metal secured to one of the lateral faces thereof, and is provided, preferably at each end, with hinge attachments 1 and an opening 2, for the purposes hereinafter set forth.

3 3 are the tongues or the expansible portions of the bolster and adapted to slide in the groove formed by the C-shaped piece of metal above referred to and having the upper faces provided with openings for ratchets 4 and their outer ends with a stake 5, or, if desired, an opening for its reception.

7 is an eccentrically-pivoted key journaled or hinged in the attachments 1, as shown in the drawings.

8 is a lug projecting from the lower face of the key and adapted to fit into the opening 2 for the purpose of locking the expansible portion of the bolster in any position desired, thus forming a cam-lock. It is also preferable to notch or ratchet the upper face of the bolster A, so as to allow the other end of the key 7 to lie therein and allow its upper face to be flush with the upper face of the bolster. It will be observed that by raising the key, as shown in Fig. 3, the bolster may be readily extended to any width and then the key allowed to drop back into position again.

What we claim as our invention, and desire to secure by Letters Patent, is—

1. In an expansible bolster, the combination, with the bolster A, of the C-shaped piece B, secured at one side thereof, and the tongues 3, adapted to slide in the piece B and having sockets in their outer ends for the purpose of carrying stakes, as set forth.

2. In an expansible bolster, the combination, with the bolster A, of the C-shaped piece B, secured to one side thereof and having openings 2 in its upper edge, the tongues 3, adapted to slide in the piece B and having ratchets in their upper edges and sockets in their outer ends, the piece B having a key 8 hinged thereto and adapted to have the lug of the key drop into the opening 2 and engage with the ratchets in the upper edge of the tongues, substantially as described, for the purposes set forth.

In witness whereof we have hereunto set our hand on this 15th day of January, 1891.

FRANK ROBERTS.

his
GEORGE + PULLEN.
mark

In presence of—
I. O. PHELPS,
H. P. DENISEN.