G. W. SLATER.

Carriage-Joint.

No. 69,034. Patented Sept 17, 1867.

Fig. 1.

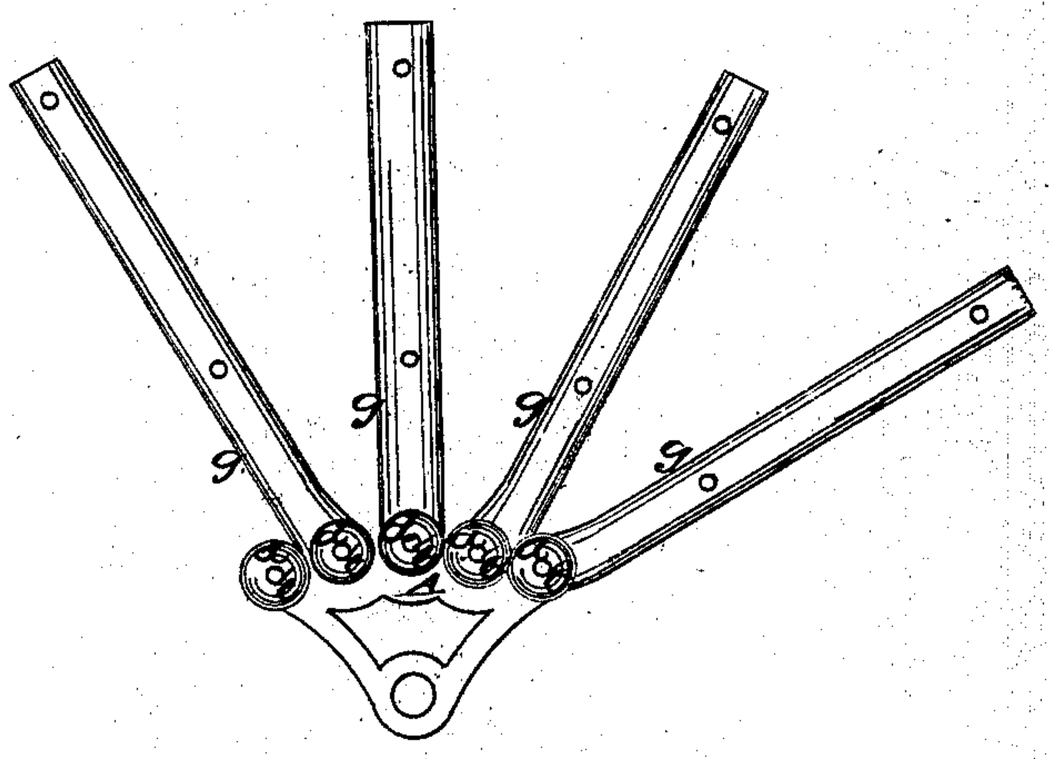


Fig. 2.

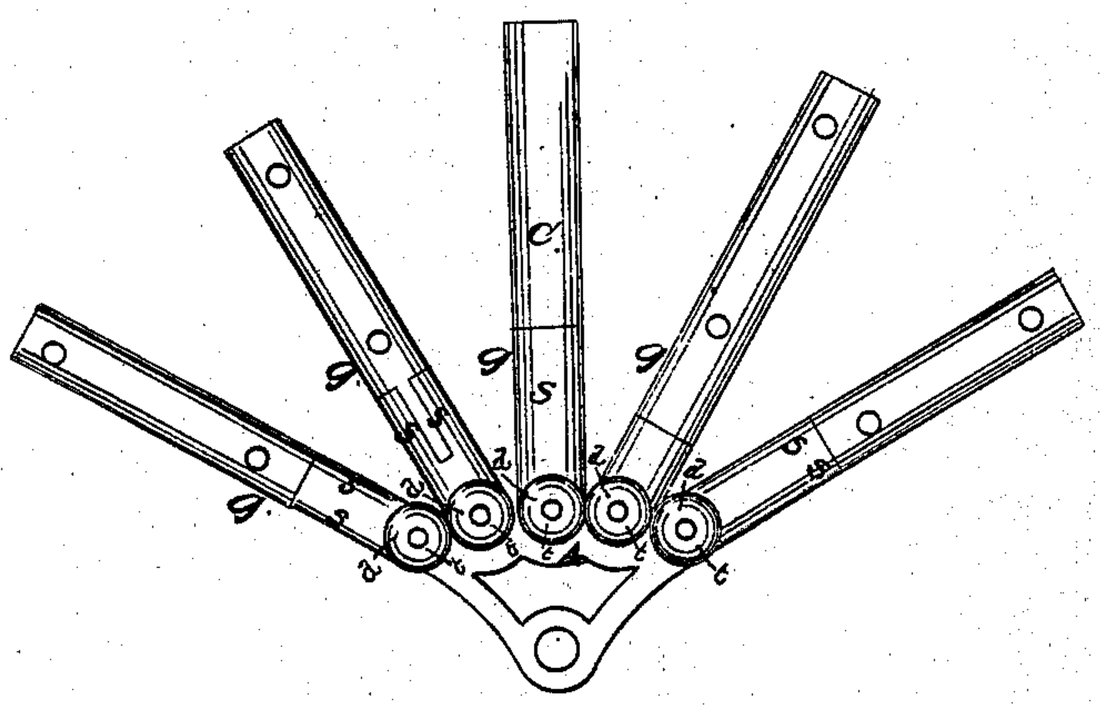
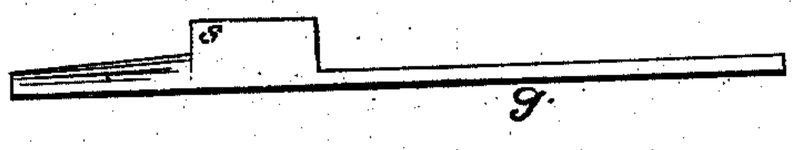


Fig 3.



Witnesses.
F. Lehmann
Jno. A. Ellis

Inventor:
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Per
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Atty

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GEORGE W. SLATER, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 69,034, *dated September* 17, 1867.

IMPROVEMENT IN BOW-IRONS FOR VEHICLES.

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, G. W. SLATER, of New Haven, Connecticut, have invented certain new and useful Improvements in Bow-Irons; and I hereby declare that the following is a true, full, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon. In the annexed drawings, which make a part of this specification—

Figure 1 exhibits a side of the bed-plate with slats attached.

Figure 2 is a similar view with a section of the bow-iron attached.

Figure 3 is a side view of a single slat.

The letter A represents the bed-plate, made of malleable iron, or other suitable metal, and is attached to the slats or bow-iron by the knuckle-joints *d* secured with a rivet through each joint. The advantage of the knuckle-joint is that it can be made stro..ger than the usual mode of fastening, inasmuch as the knuckle bears most of the weight of the bow and slat, and thereby relieves the rivet *t* from too great pressure. *g* represents the slats, which will be made of malleable iron and concave in form to receive the bow, to which it will be fastened by screws. The slats *g* will be constructed with wings *s* near their lower end, (see fig. 3.) By bending these wings so their edges meet, a thimble will be formed to receive the ends of bows *c*. In making the thimble in the manner herein described, it can be fitted more easily to the bow and do away the necessity of having a hole at the lower end of the bow, the said hole having a tendency to split the wood at the very point where the greatest strength is required. It will be seen that in my mode of construction there will be no possibility of the dirt collecting between the slats to hinder the free working of the bows. To give the required strength to the bed-plate it will be formed of a single piece of malleable iron.

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

1. The bed-plate A, constructed of one piece, as and for the purpose set forth.

2. The slats *g*, so formed as to be attached to the bed-plate A by means of knuckles *d*, in the manner herein described.

3. The ears *s* on slats *g*, used in forming thimbles to receive the bows, as herein set forth.

4. The bed-plate A, in combination with slats *g* and bows *c*, the whole constructed and operating substantially as herein set forth.

In testimony that I claim the above I affix my signature in presence of two witnesses.

GEORGE W. SLATER.

Witnesses:

CHARLES T. SHELTON,

EDW. F. DE FOREST.