

Supporting Bar for Vehicles.

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JAMES B. BREWSTER, OF FLUSHING, NEW YORK.

Letters Patent No. 95,642, dated October 12, 1869.

IMPROVEMENT IN SUPPORTING-BARS 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, JAMES B. BREWSTER, of Flushing, in the county of Queens, and State of New York, have invented a new and useful Improvement in Supporting-Bars for Vehicles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

Figure 1 represents a perspective view of an axle-bed, made on my improved plan.

Figure 2 is a vertical transverse section of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object so to strengthen all kinds of supporting-bars for wheeled vehicles and sleighs, that is to say, axle-beds, bolsters, felloes, and sleigh-runners and knees, that the same will not be liable to split or break, nor to yield in the direction in which the greatest strain is applied.

The invention consists in interposing in such supporting-bars vertical metallic plates, which, being set edgewise in the direction of the strain, will strengthen the bars to a very considerable extent; thereby, many accidents to property, as well as to life and limb, will be prevented.

A, in the drawing, represents an axle-bed of suitable form and size.

It is made of wood, either in two pieces, *a a*, or of one piece, grooved by a saw, so that a metal plate, *b*, can be put vertically between such two pieces or cheeks of wood. The pieces are then clamped together in suitable manner.

Bolsters are made in the same way, as also sleigh-runners, which will thereby be made almost indestructible.

On some kinds of wheels the felloes may be made in the same manner, by receiving vertical metal plates between two cheeks or rings of wood.

Instead of having but one plate *b*, every such supporting-bar may have two or more of the same.

Having thus described my invention,

I claim as new, and desire to secure by Letters Patent—

The axle-beds and other supporting-bars of wheeled vehicles or sleighs, provided with metal plates *b*, which are interposed vertically between two layers or cheeks of wood, substantially as herein shown and described.

JAMES B. BREWSTER.

Witnesses:

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