

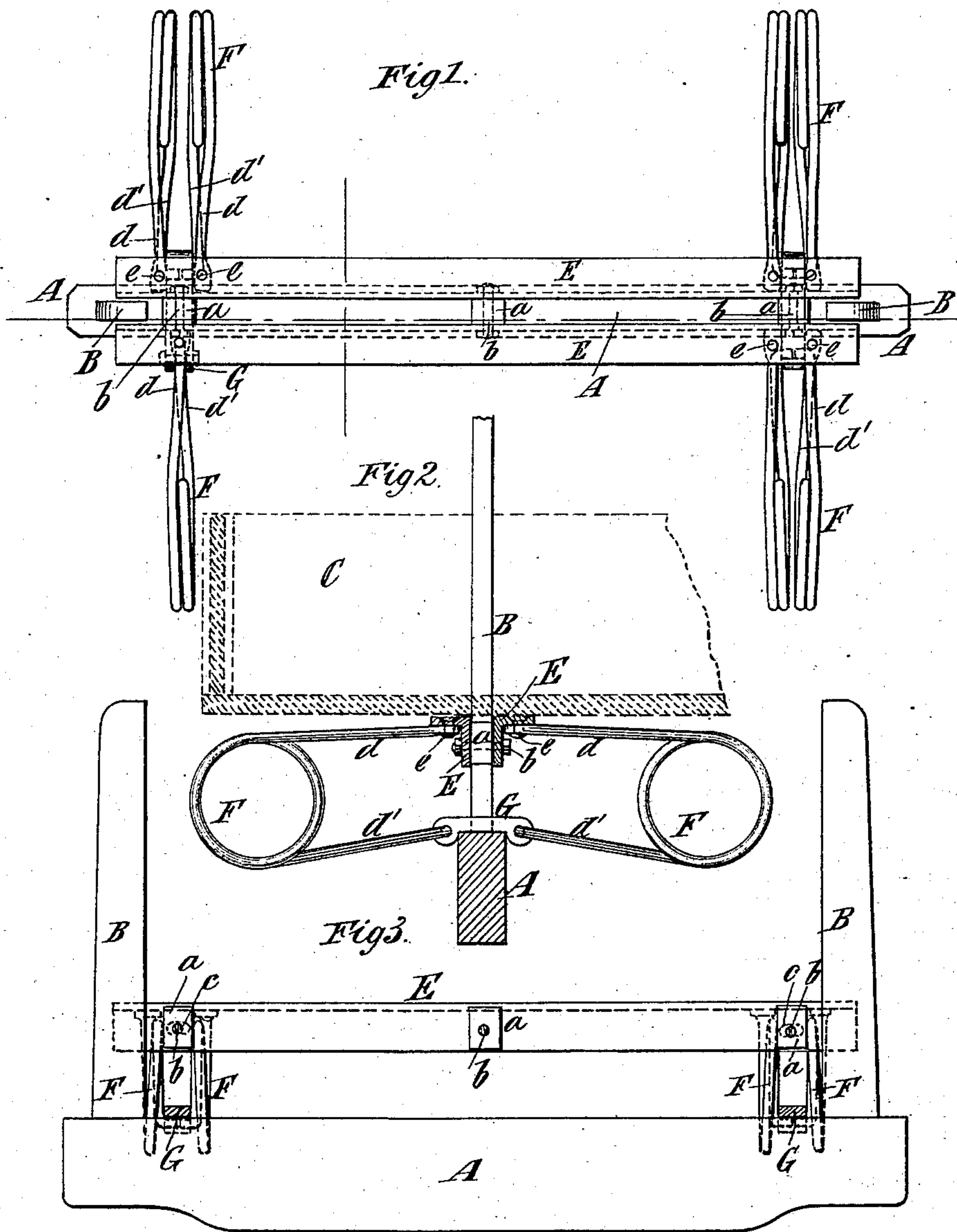
(No Model.)

B. G. MEINIKHEIM.

BOLSTER SPRING FOR WAGONS.

No. 294,249.

Patented Feb. 26, 1884.



Witnesses
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UNITED STATES PATENT OFFICE.

BERNARD G. MEINIKHEIM, OF NEWTOWN, ASSIGNOR TO HIMSELF, AND
CHARLES COOK, OF NEW YORK, N. Y.

BOLSTER-SPRING FOR WAGONS.

SPECIFICATION forming part of Letters Patent No. 294,249, dated February 26, 1884.

Application filed May 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, BERNARD G. MEINIKHEIM, of Newtown, in the county of Queens and State of New York, have invented a new and useful Improvement in Wagons, of which the following is a specification.

My invention relates to box-wagons which have bolsters, and stakes projecting upward therefrom, and in which the box rests upon bearers, which are supported on springs interposed between them and the bolsters.

My invention consists in a combination of parts hereinafter described, and including a bearer of novel construction, whereby it may be readily adapted to wagons in which the stakes are set at different distances apart on the bolster.

In the accompanying drawings, Figure 1 is a plan of a bolster, bearer, and springs embodying my invention. Fig. 2 is a transverse section of the bolster and a side elevation of the springs and a portion of the wagon-box; and Fig. 3 is an elevation of the bolster, bearer, and springs.

Similar letters of reference designate corresponding parts in all the figures.

A designates the bolster, carrying the usual stakes, B, which receive between them the wagon box or body C. The wagon-box C rests and is supported on bearers placed one over each bolster, and adapted to yield or move upward and downward relatively to the bolster. The bearer is composed of two parallel pieces or bars, E, which may be of angle-iron, as shown, and spacing pieces or blocks *a*, placed between said pieces or bars and holding them at the desired distance apart. The bars E and blocks *a* may be secured together by bolts *b*, and at the end blocks, *a*, the bars E are slotted, as at *c*, for the passage of the

bolts. The ends of the bars E extend on opposite sides of the stakes B, and the slots *c* afford provision for shifting or adjusting the end blocks, so as to fit between the stakes of wagons of different widths. The bearer is thus guided by the stakes in its upward and downward movements.

F designates the coiled springs which I employ. They may be made of steel or other metal, and have their end portions, *d d'*, both extending in the same direction and to a considerable distance from the coil. The upper ends, *d*, of these springs are connected, by rivets *e* or otherwise, with the bars E of the bearers, and their lower ends, *d'*, are connected with or supported by the bolster A in any suitable manner.

As here shown, I provide saddle-pieces G, in the opposite ends of which the lower ends, *d'*, of the springs are pivoted, and which rest upon the top of the bolster A.

The lower ends of the springs may be bent at right angles, so as to form laterally-projecting pivots integral with the springs, which fit in eyes in the saddle-pieces.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, with the bolster A and its stakes B, of the bearers composed of the pieces or bars E, extending at their ends on opposite sides of the stakes, and the adjustable spacing pieces or blocks *a*, and the coiled springs having their ends connected with the bolster and bearer, substantially as herein described.

BERNARD G. MEINIKHEIM.

Witnesses:

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