

(No Model.)

G. B. ADAMS.
CHILD'S CARRIAGE VIBRATOR.

No. 302,680.

Patented July 29, 1884.

Fig. 1.

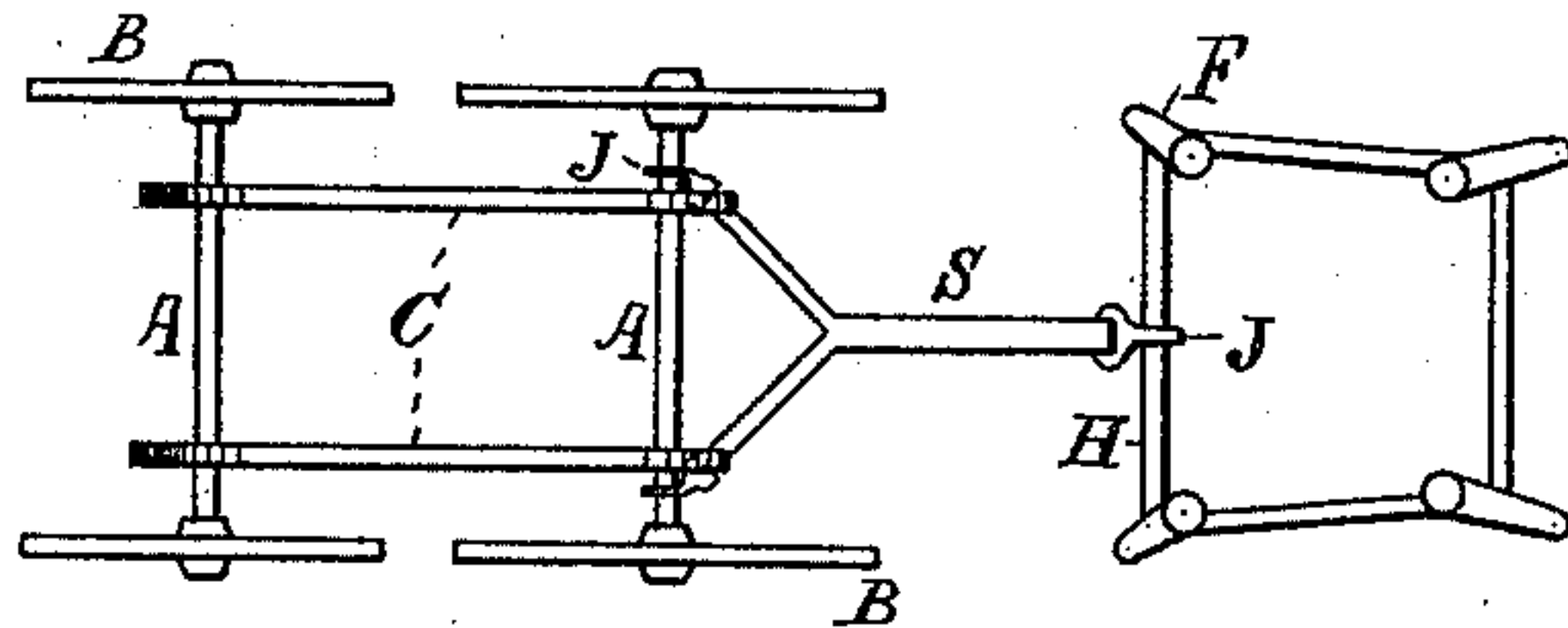
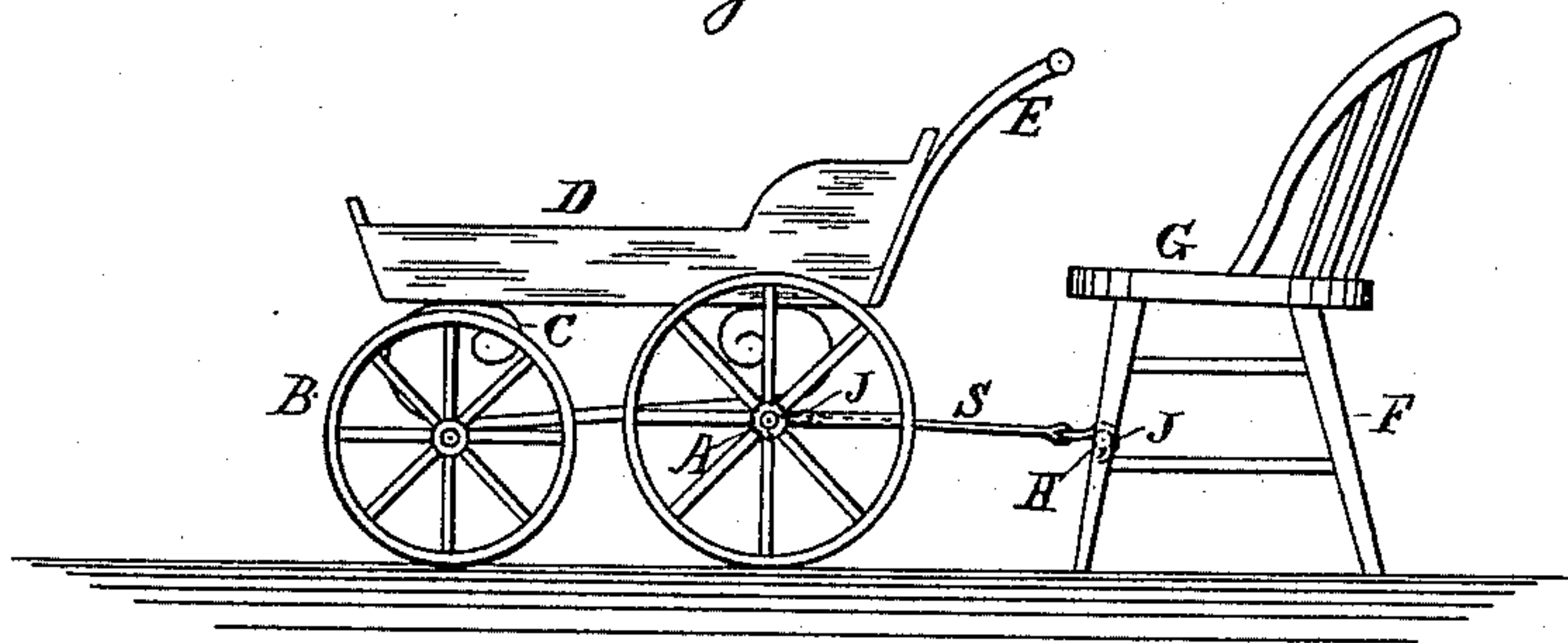


Fig. 2.

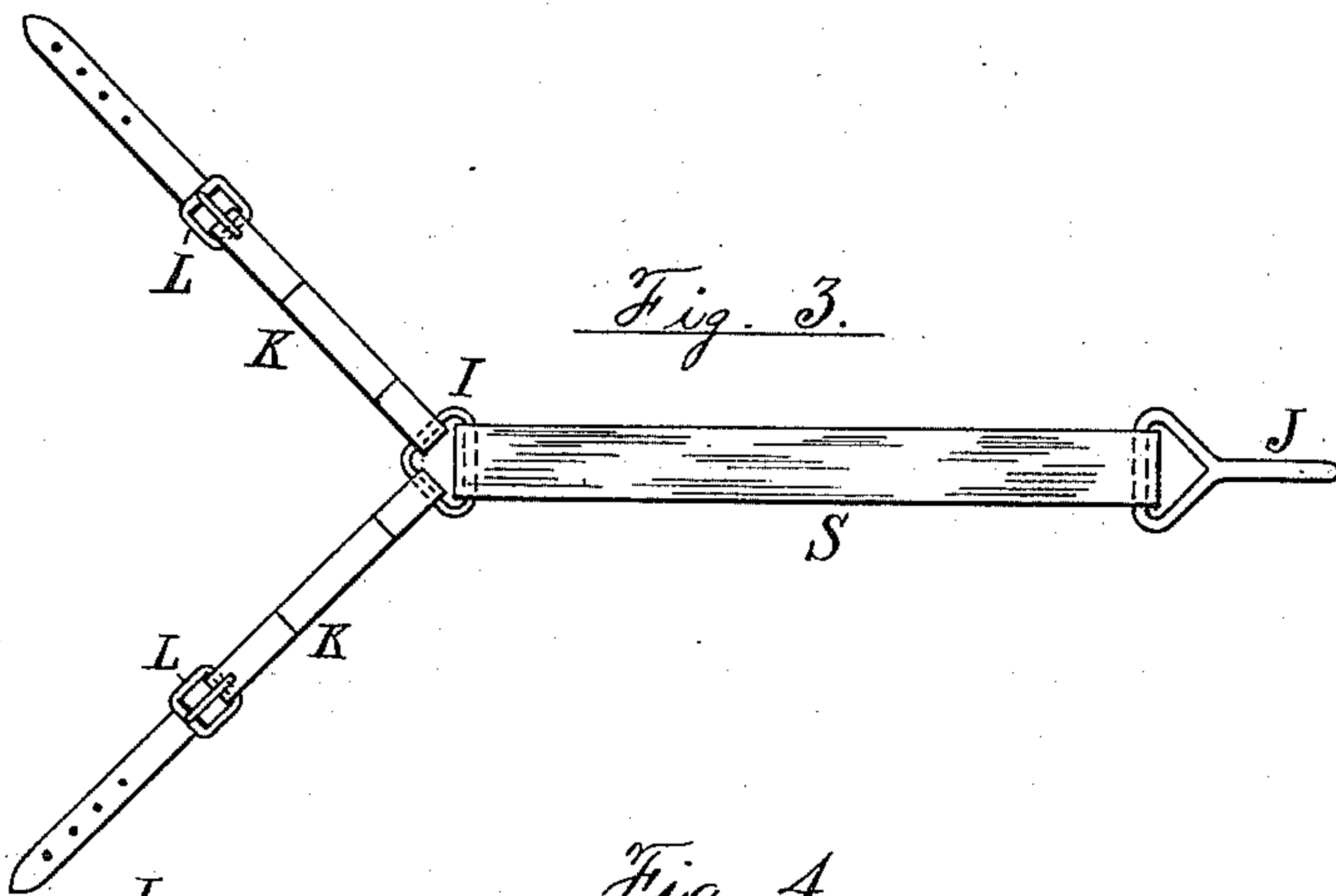


Fig. 3.

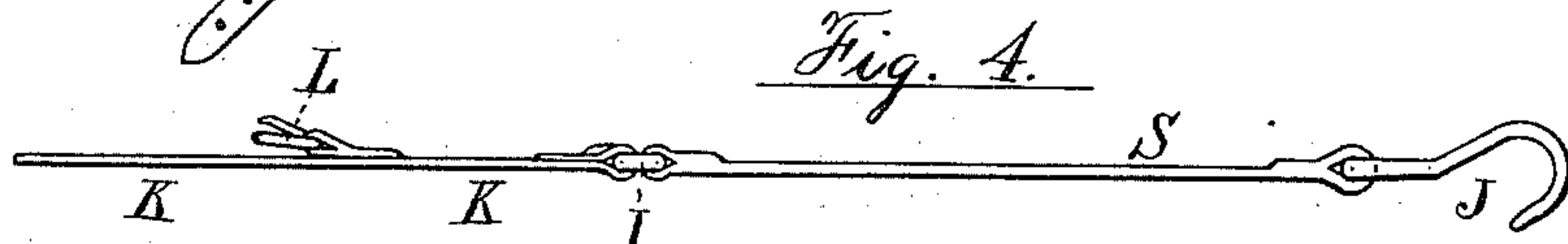


Fig. 4.

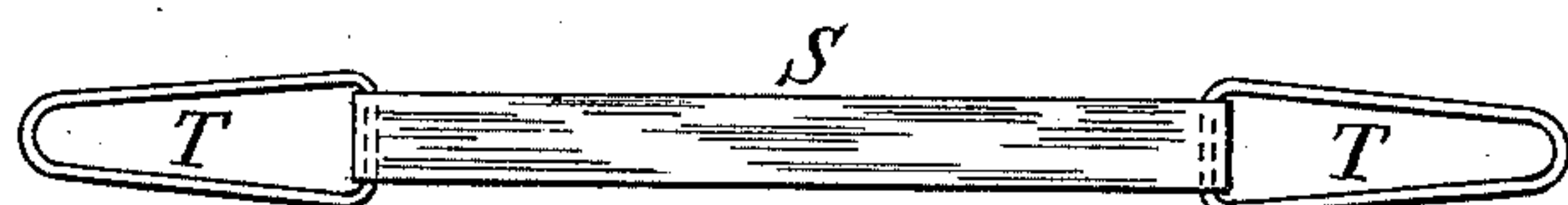


Fig. 5.

Attest:

L. D. Crane.
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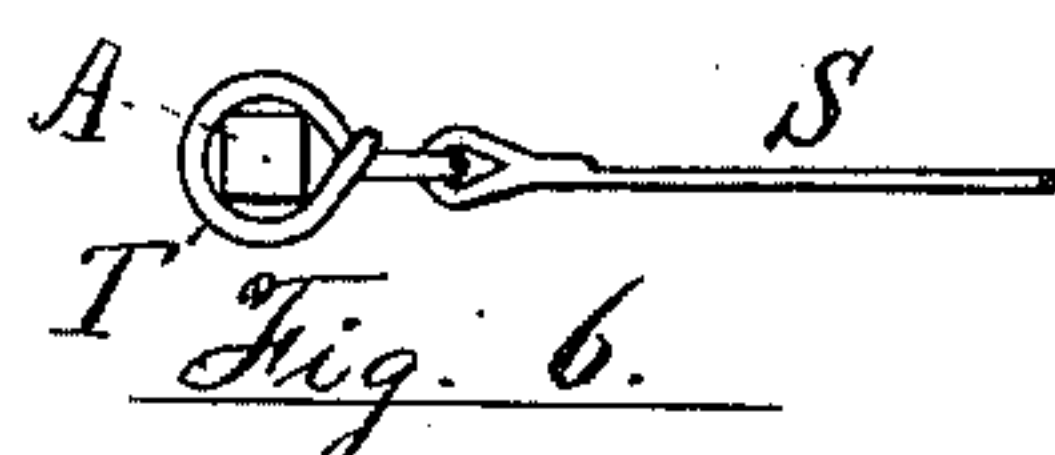


Fig. 6.

Inventor.

Geo. B. Adams, per
Thos. S. Crane, Atty.

UNITED STATES PATENT OFFICE.

GEORGE B. ADAMS, OF NEWARK, NEW JERSEY, ASSIGNOR TO EZRA MARSH, OF SAME PLACE.

CHILD'S CARRIAGE VIBRATOR.

SPECIFICATION forming part of Letters Patent No. 302,680, dated July 29, 1884.

Application filed September 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. ADAMS, a citizen of the United States, residing in Newark, in Essex county, New Jersey, have invented certain new and useful Improvements in a Child's Carriage Vibrator, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

10 This invention consists in the combination, with a wheeled vehicle, of an elastic strap arranged and operated to secure the vehicle elastically to the seat of the operator. Such elastic straps have been used heretofore in
15 connection with baby-jumpers, or equivalent suspended carriages, but in all such cases the vehicle was not supported upon the floor or ground, as in my invention, and therefore required a firm and safe support above the floor.
20 As such a support could not be usually provided without portable framing, or the application of mechanical skill and proper fixtures, the use of such suspended carriages or baby-carriers has been exceedingly limited.
25 It is also obvious that any suspended carrier is necessarily limited in its use to some spot where the suspending devices are attached, while the combination of the elastic strap, with a vehicle resting upon a level support
30 affords the means of securing the same elastically to any fixed object near the seat of an operator, and of rolling the vehicle to and fro without being restricted to any particular spot. My invention also differs from others in not
35 being operated by the inmate of the vehicle, but in being pushed to and from the operator in a seated position.

The object of the invention is to provide a means of vibrating or rolling the carriage to
40 and fro by the foot of the operator when seated, thus leaving the hands of the operator disengaged for work or other purposes. As it is customary to thus vibrate the carriage with the hands when the operator is tired of walking and desires to be seated, it will be seen
45 that my invention furnishes a convenient means of attaching the carriage by an elastic connection to the leg or rung of a chair or other object, near the seat of the operator, and
50 thus drawing it toward the latter when pushed

by the operator's foot alternately back and forth. The elastic connection may be constructed and applied to the carriage in several modes, three of which are shown in the annexed drawings, in which—

Figure 1 is a side elevation of a chair connected with a child's carriage by my invention. Fig. 2 is a plan of the same with the parts above the connecting-strap removed. Fig. 3 is a plan of the elastic strap and its fastenings enlarged, the construction being somewhat different from that shown in Figs. 1 and 2. Fig. 4 is an edge view of the strap, as shown in Fig. 3; and Fig. 5 is a plan of a strap of still another construction, an edge
60 view of one end of the same being shown in Fig. 6 as looped around a carriage-axle, A.

In the child's carriage, A are the axles; B, the wheels; C, the springs; D, the body, and E the handle. In the chair, F are the legs; 70 G, the seat, and H the rungs.

In Figs. 3 and 4, I is a metallic eye or link for connecting the elastic strap with its fastenings. S is the elastic strap, as in all the views. J is a hook at one end of the strap, to catch
75 upon a fixed object. K K are two leather straps attached to one end of the strap S by the triangular link, I; and L L are buckles provided on the strap to secure the ends to the carriage.

In Figs. 5 and 6 the strap is shown provided at each end with a loop of cord, T, which can be attached to the axle A by a slip-knot or noose, as shown in Fig. 6, or slipped under one leg of a chair, or over any fixed projection
85 near the same, as may be found convenient.

The elastic strap S is shown of flat form, as when made of india-rubber; but it may be made of coiled wire or any suitable elastic material. In Fig. 1 the strap is shown provided with hooks J at both ends, and the strap forked next to the carriage, so that the pressure of the foot could be applied to the axle between the ends K K, and the carriage pushed without pressing it at all sidewise. The ends
90 of the strap upon the chair-rung H and axle A are all provided with hooks, which can be readily attached and detached; but the construction shown in Figs. 3 and 4 is adapted to secure the strap to the carriage in such a man- 100

ner that it may be always ready for use. For
this purpose the strap S is provided with the
link I, into which the leather straps K are riv-
eted or sewed, and the latter provided with
5 the buckles L at a suitable distance from the
ends, so that the free ends of the straps K can
be looped around the axle A and secured in
the buckles. The strap thus becomes attached
to the carriage as a fixture, and when not in
10 use can be hooked or held up by securing the
hook J, at the free end, upon any convenient
point in the carriage. The strap is shown at-
tached to the rear axle of the carriage in the
drawings, but may be as well attached to the
15 front one, and the occupant of the carriage
be thereby kept in sight of the operator.

The strap or spring may be riveted to the
carriage or its axle, if preferred, and the fast-
ening thus be made permanent. If provided
20 with a strap and buckle at each end, it may
be fastened across the front of the seat to hold
the child in when in motion. I am fully aware
that an elastic strap is in use as a door-spring,
and for analogous purposes, and that such
25 straps have been combined with the top or
sides of a baby-jumper to hold or suspend
the same elastically.

I do not claim it as new to use an elastic

strap in such a combination. I have, however,
shown how such a device can only be used at 30
some point when a suspending device has been
provided, while my combination is movable to
any point, and can be readily put into use
wherever the operator desires to be seated for
the purposes described. I therefore disclaim 35
the combination of an elastic strap with a ve-
hicle or carrier requiring suspension, and re-
strict it exclusively to the combination with a
wheeled and portable vehicle and a fixed point
to which the strap can be attached. 40

Having thus distinguished my invention
from others in which such a strap has been
used, I claim the same as follows:

The combination, with the wheeled vehicle,
of the elastic strap constructed as herein shown 45
and described, and provided with fastenings,
as described, adapted to attach it to a fixed
object, substantially as and for the purpose set
forth.

In testimony whereof I have hereunto set 50
my hand in the presence of two subscribing
witnesses.

GEORGE B. ADAMS.

Witnesses:

ROBERT H. VREELAND,
GEO. B. NEWTON.