

(No Model.)

2 Sheets—Sheet 1.

COMBINED DOUBLE AND SINGLE SEATED SLEIGH.

No. 335,649.

Patented Feb. 9, 1886.

Fig. 1.

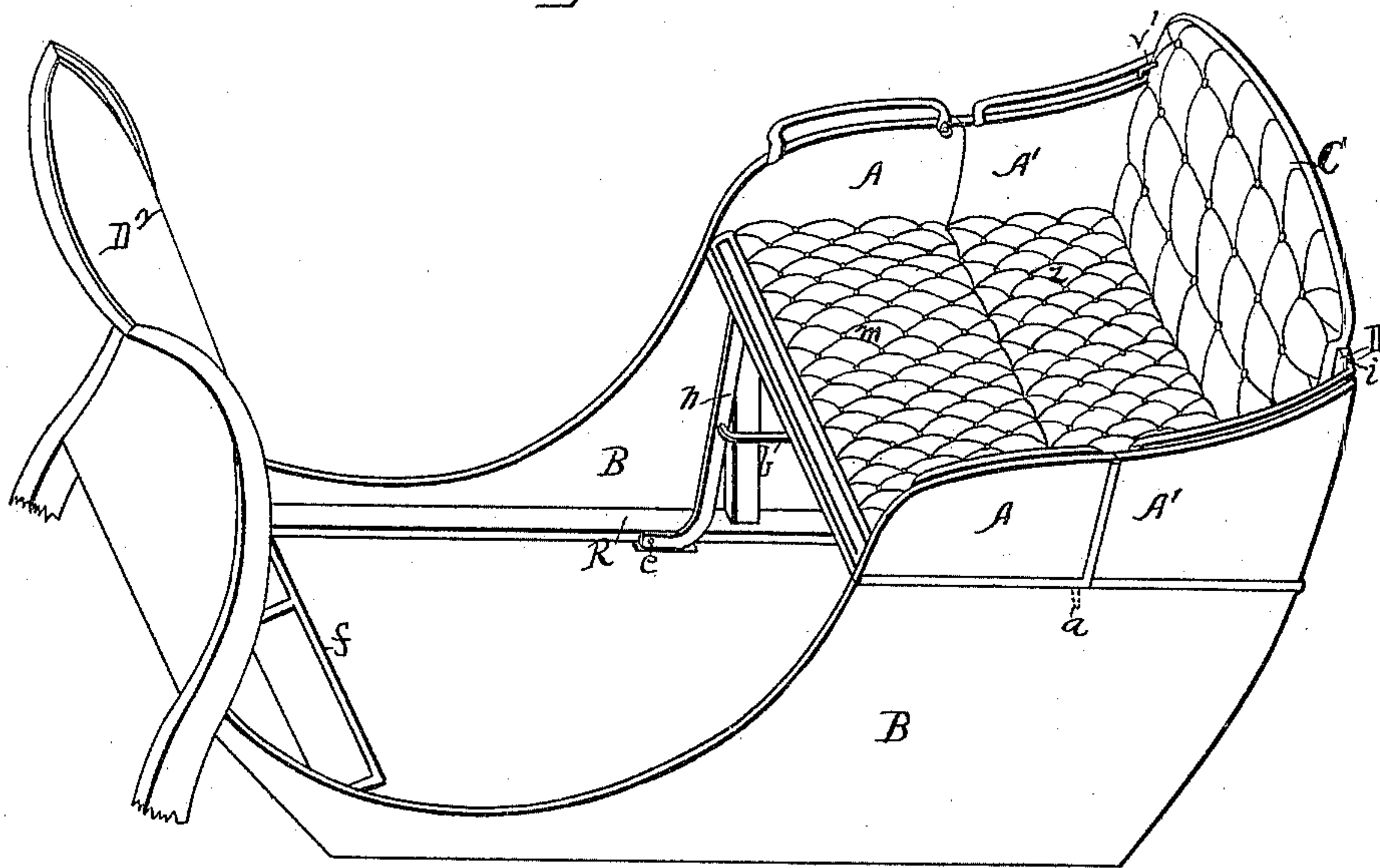
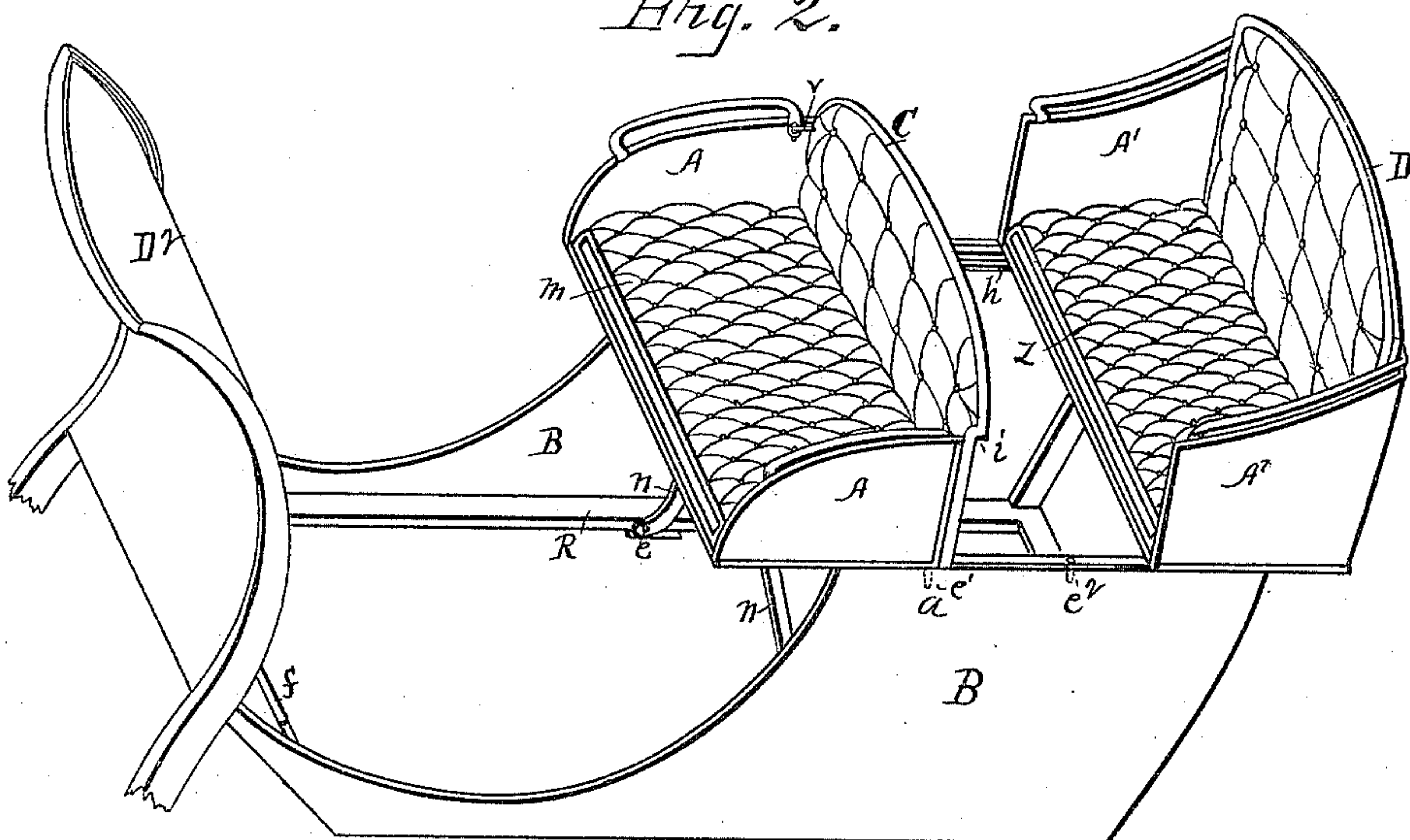


Fig. 2.



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(No Model.)

2 Sheets—Sheet 2.

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Fig. 3.

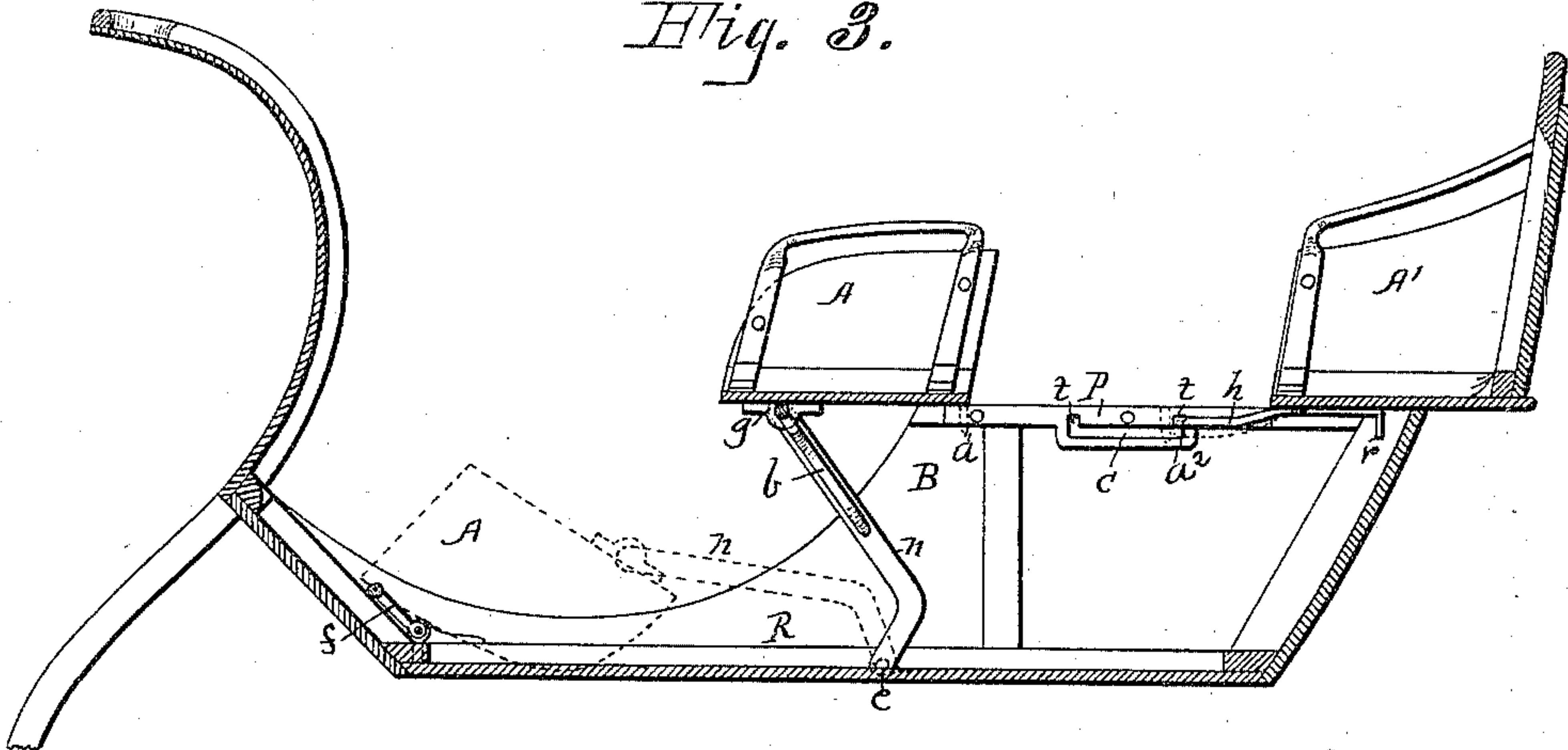


Fig. 4.

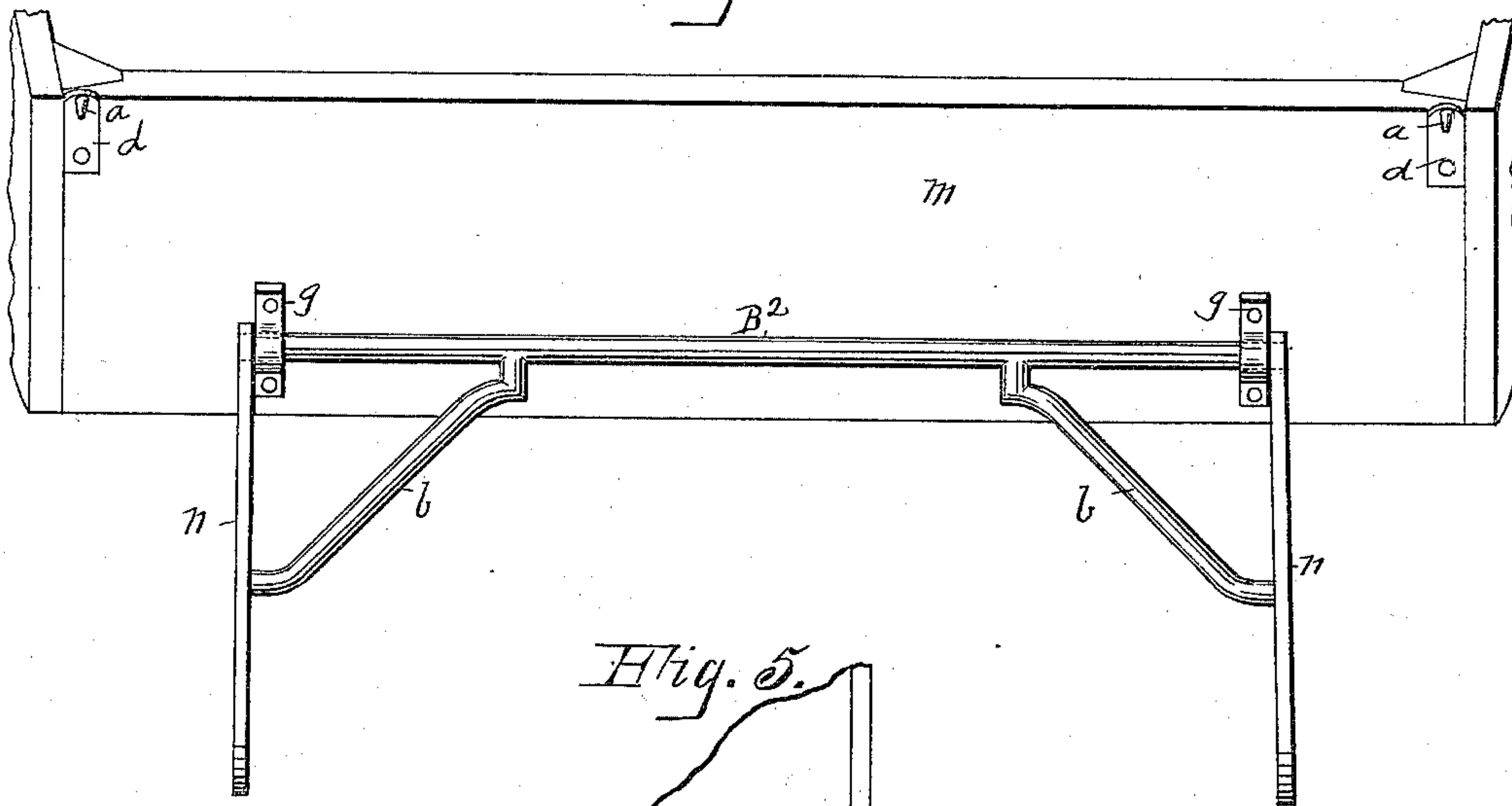
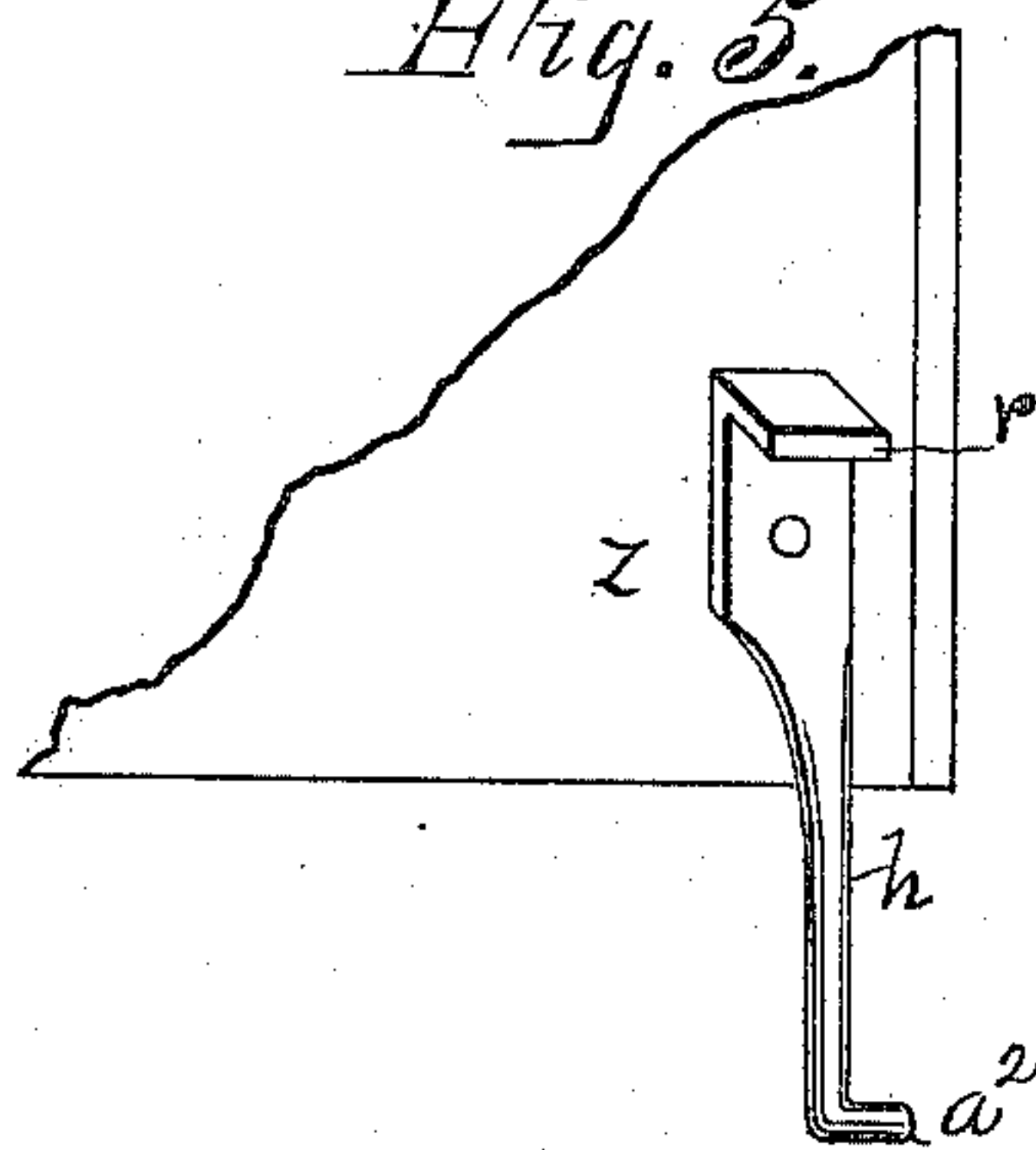


Fig. 5.



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UNITED STATES PATENT OFFICE.

WILLIAM H. STEINBRECHER AND CHARLES STEINBRECHER, OF DETROIT,
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COMBINED DOUBLE AND SINGLE SEATED SLEIGH.

SPECIFICATION forming part of Letters Patent No. 335,649, dated February 9, 1886.

Application filed September 28, 1885. Serial No. 178,411. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM H. STEINBRECHER and CHARLES STEINBRECHER, citizens of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Combined Single and Double Seated Sleighs; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

Our invention in sleighs relates to the construction of the seat of a Portland sleigh so that it may be divided and adjusted to form two seats, or closed up, forming but one seat, so that an ordinary sleigh may be changed from a single to a two seated sleigh, as desired; and our invention consists in the general arrangement of parts, as hereinafter set forth, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective as single-seated. Fig. 2 is a perspective of same as a two-seated sleigh. Fig. 3 is a longitudinal section of Fig. 2, showing by dotted lines the front seat dropped. Fig. 4 is an enlarged bottom view of front seat and attaching-irons. Fig. 5 is an enlarged detail.

B B are the usual sides of the sleigh; *f*, tilting foot-rail; R, the usual rail or bottom support of body.

The body of the sleigh and its running-gear we form in the usual way, and need not be herein described; but the parts A A', which form usually a single seat, we have cut or formed of two parts, so as to be brought together to form a single seat, as shown in Fig. 1, or separated and forced from each other, as shown in Fig. 2, thus forming two seats by moving the part A' partially back of the rear end of the sleigh and advancing the part A toward the dash D², as shown in Fig. 2, forming the two seats *m* and *z*, having ample room between them.

To the under face of the rear seat, near each end, we attach, crossing the same, a metal arm,

h, having the rear end bent down, forming a lug, *r*, which meet the side rails of the sleigh-body, preventing end movement of the seat. The forward ends of the arms are rounded and bent outward or from each other, forming guide-pins *a*², as shown in Fig. 5. On the inner face, at the top of the sides B B, we attach a slotted metal plate, P, (see Fig. 3,) having a longitudinal slot, C, and vertical openings *t t*, leading into said slot. The pins *a*² *a*² of the arms *h h* are fitted into and work in the openings C *t t*, as shown in Fig. 3. When the part forming the rear seat is drawn back, as shown in Fig. 3, the pins *a*² *a*² limit its backward movement, and when the seat is back, as shown in Figs. 2 and 3, the pins enter the rear slots *t*, locking the seat in position. To move said seat forward, as shown in Fig. 1, it is slightly tilted forward until the pins are out of the vertical slots, when it is advanced until the pins *a*² *a*² strike the front shoulder of the slots C of the plates P P, when the pins enter the forward vertical slots *t*, thus locking the seat forward. As the seat is moved back and forward, the depending lugs *r r*, pressing against the side rails of the body, guide the seat.

To the bottom *m* of the front seat we attach two metal boxes, *g g*, through which passes loosely the horizontal shaft B². The ends of the shaft are bent toward each other at right angles to the shaft, forming the legs *n n*. Said legs at the lower end are bent forward, and are pivotally attached at *e* to the bottom rail, R, of the sleigh-body, as shown in Figs. 1, 2, and 3. Extending from the legs *n n* to the shaft B² are braces *b b*. The legs, braces, and shaft are formed integral, and upon these parts the front seat is mounted, and is carried backward and forward.

To the rear outer corners of the front seat and on the under side of the bottom we anchor the plates *d d*, each having a depending lug, *a*, as clearly shown in Fig. 4. Said lugs, when the seat is moved forward, drop into engaging-holes in the upper face of the rail supporting the seat, as shown by dots at *e'* of Fig. 2, and when moved back they drop into the holes shown by dots at *e*² of same figure.

D represents the back of the back seat, and C the back of the front seat, which is made de-

5 detachable, it being secured to the end portions forming the front seat by means of a hook or button at *v*, (see Fig. 2,) and when the seats are formed together, forming but one, the back C is detached from the position of Fig. 2, and attached to and over the back D at *v'* of Fig. 1, the offset or projection *i* fitting over the top of the back D, which supports it. The form of the end portions, A A', is such that when joined together they appear to represent the end of an ordinary single seat, as shown in Fig. 1.

15 Having thus fully set forth our present invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In combination with the body of a sleigh, a seat mounted thereon having a central longitudinal division, one part adapted to be moved rearward over the back of the box, the other part adapted to be moved forward, forming two seats, said parts also adapted to be moved toward each other, joining as a single seat, as and for the purposes set forth.

2. In combination with the box of a sleigh, a two-part seat mounted thereon, the rear part carrying arms with downward projections and engaging pins working in the slotted plates P P, as specified, the forward part journaled on the shaft B², having braces and legs formed integrally therewith, said legs pivoted at the lower end to the body of the sleigh, and means for engaging or locking said seat when shifted, substantially as specified.

3. In combination with the body of a sleigh, a two-part seat mounted thereon, said parts adapted to be shifted, as specified, the back D, and detachable back C, as and for the purposes set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

WILLIAM H. STEINBRECHER.
CHARLES STEINBRECHER.

Witnesses:

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