

C. HAAS.
Buggy Seat.

No. 104,583.

Patented June 21, 1870.

Fig. 1.

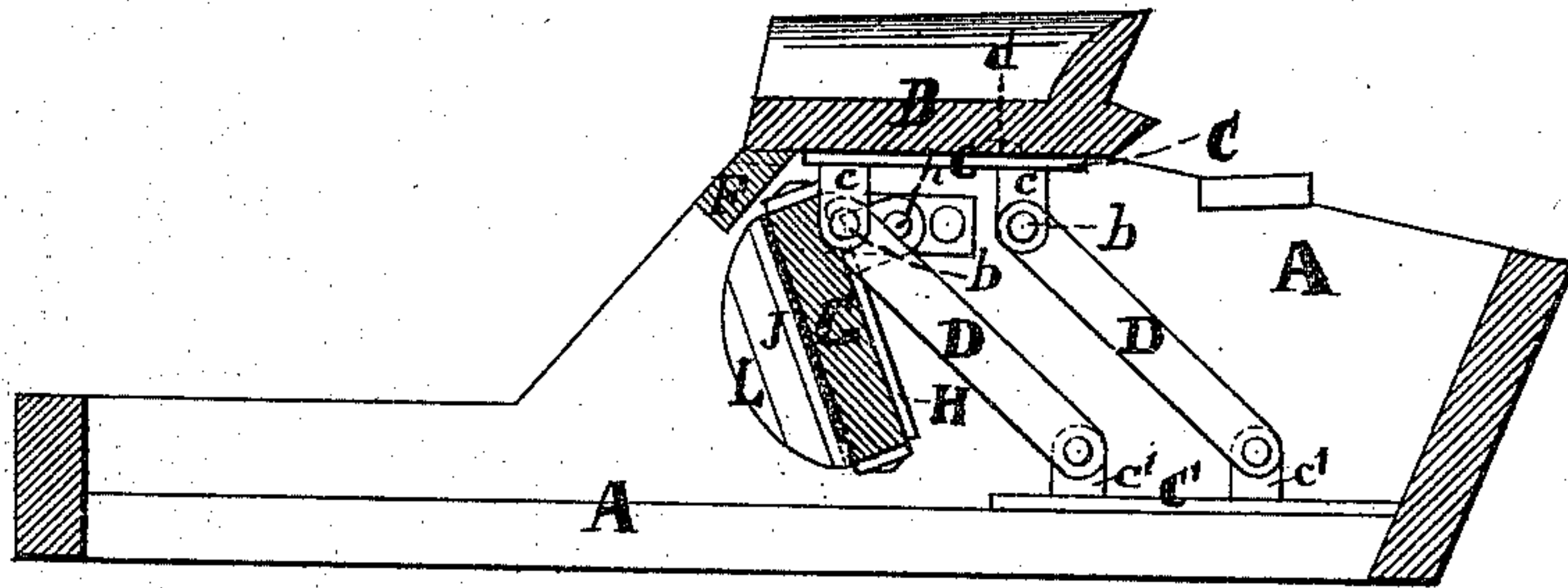


Fig. 4.

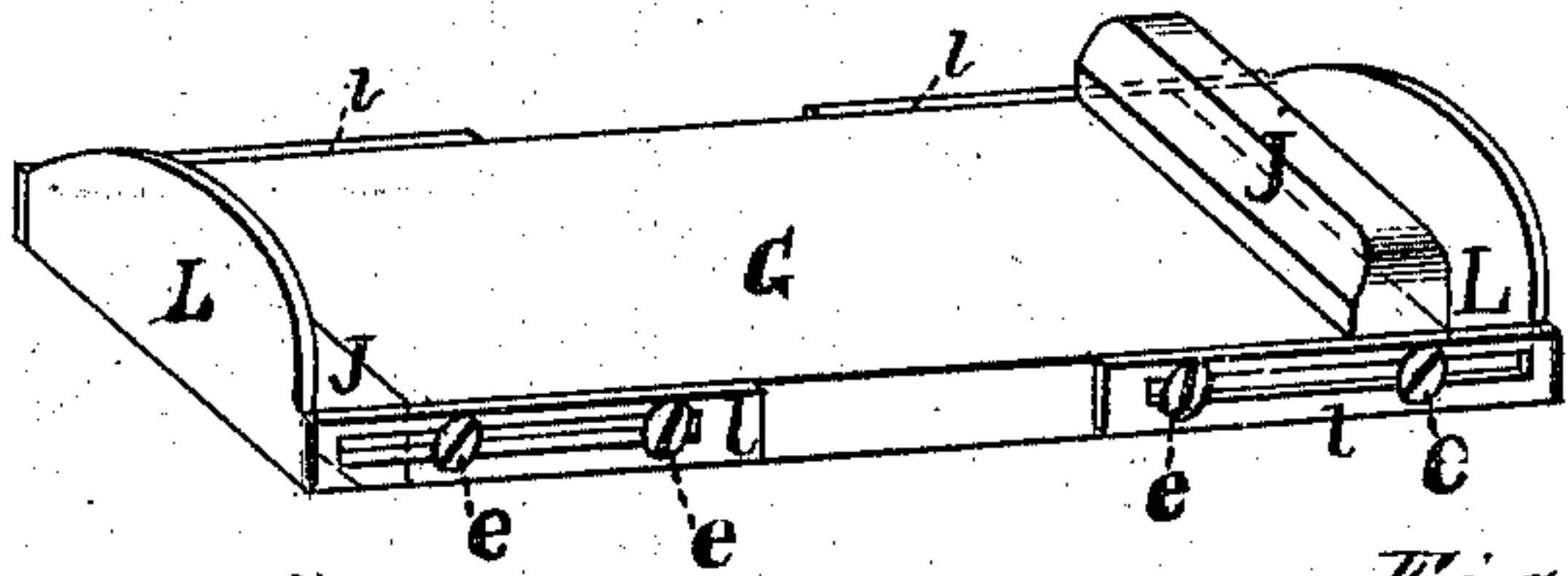


Fig. 3.

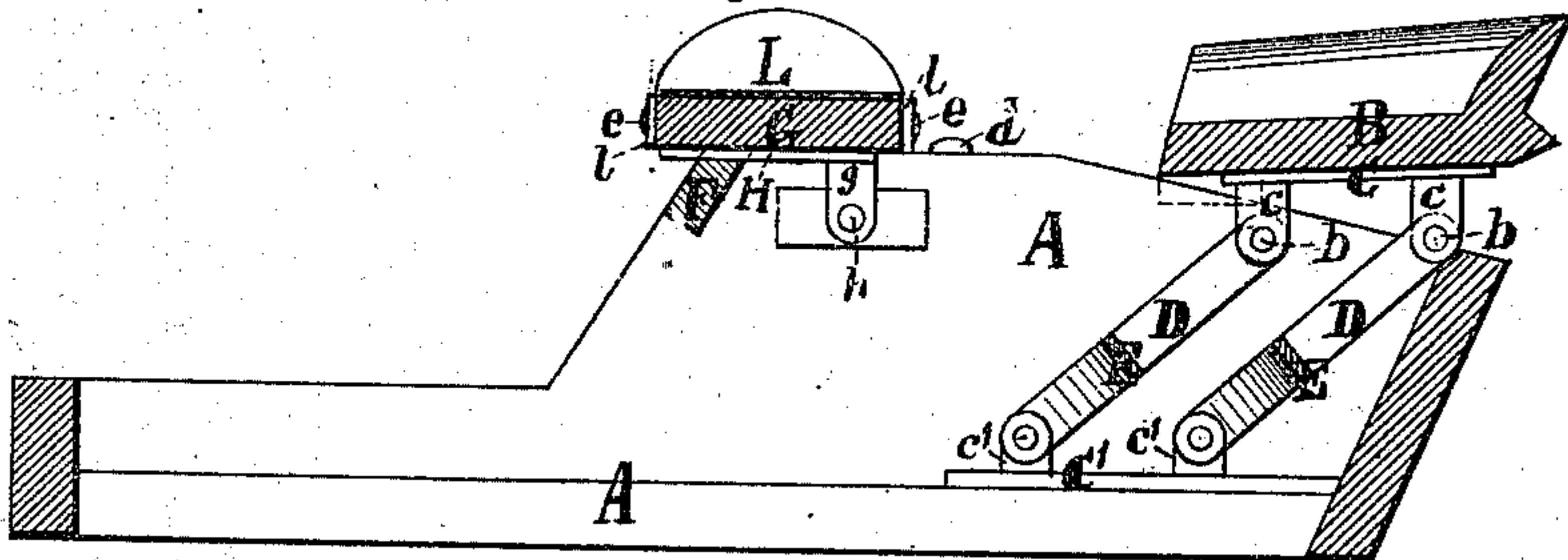
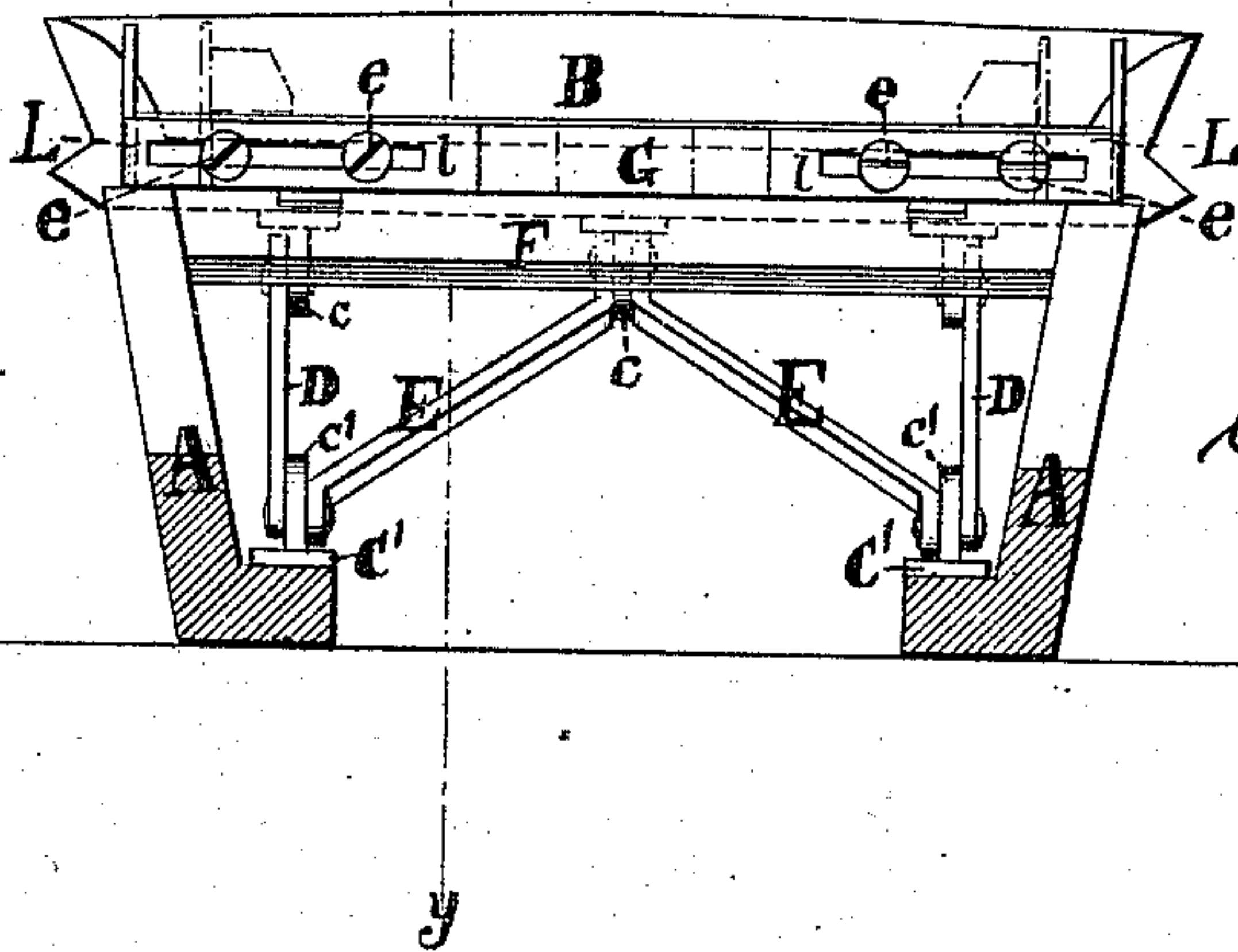


Fig. 2.



Witnesses:
W. Clayton & Co.
Jas S. Cobbank

Inventor:
Christian Haas,
by his attys
J. C. Clayton & Co

United States Patent Office.

CHRISTIAN HAAS, OF CHICAGO, ILLINOIS

Letters Patent No. 104,583, dated June 21, 1870.

IMPROVED BUGGY-SEAT.

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, CHRISTIAN HAAS, of Chicago, in the county of Cook and in the State of Illinois, have invented certain new and useful Improvements in "Buggy-Seats;" and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in constructing the seats of a buggy so that accommodation can easily be provided to seat four persons, by simply unfolding the compactly folded seats when arranged for seating two persons, as will more fully hereinafter appear.

To enable others skilled in the art to make and use my invention, I will now describe its construction and operation.

In the drawings—

Figure 1 is a cross-sectional view of the seats when folded in the position to seat two persons;

Figure 2 is a front end view, representing the position the seats occupy when arranged for four persons, and showing, by dotted lines, the manner of shortening the front seat preparatory to adapting the seats for the use of only two persons;

Figure 3 is a cross-sectional view through the line *x y* in fig. 2, clearly showing the position of the seats, adjusted to accommodate the seating of four persons; and

Figure 4 is a detail view of the front seat, showing one end of it shortened, so as to allow of its being swung down to prepare the seats for two persons, as shown in fig. 1, and the other end of this seat is represented when it is to be used as shown in fig. 3.

The body A is not constructed materially different from the buggy-bodies in present use.

B is the seat used when but two persons are driving, and is the back or rear seat when the two seats are used.

Three plates, C, each provided with two eye-bolts, *c*, are firmly secured to the under side of seat B.

Through the eye-bolts *c* of the plates C, secured near to the ends of seat B, rivet-bolts *b* are passed, to secure uprights or rods D, which have their opposite ends secured in like manner to the eye-bolts *c* on plates C', secured to the body of the buggy.

The plate C, near the center of seat B, (see fig. 2,) has two braces, E, secured to each of the eye-bolts *c*, and the other ends of these braces E are secured to the eye-bolts *c*, on plates C', with the rods D, as shown in fig. 2.

There are four rods D and four braces E, two of

each being secured on the rivet-bolts *b*, near the rear, and two of each on the rivet-bolts *b*, near the front side of seat B.

By means of these rods and braces, the seat B is moved into the position shown in fig. 1, to accommodate two persons, or moved back to the position shown in fig. 3, when it is desired to accommodate four persons.

When the seat B is occupying the position shown in fig. 1, it rests upon the cross-brace F, made of wood, and a projection, *d*, which fits in a corresponding recess in seat B, gives additional steadiness to the said seat.

The seat G is only used when the other seat B does not afford sufficient accommodation.

On the under side, and near the ends of this seat G, are secured plates H, each provided with an eye-bolt, *g*, (see fig. 3,) through which a bolt, *h*, passes, securing it to the body A.

The rear side of this seat is supported on the bolts *h*, and the front side by cross-brace F.

Seat G has its ends terminated by movable blocks J and J', which are hinged or secured by similar and suitable means, by which means the blocks J are turned up, as shown in fig. 2, by the dotted lines, and thus shortening the length of the seat G.

At each end of this seat is fitted a movable or sliding metallic band, that fits the end and side edges, as shown in fig. 4; that part of the band which fits the edges of the seat G, and marked *l*, has a slot, which slides upon two bolts *e*, secured to the edge of seat G, and by which means the metallic bands or slides L are drawn out, so as to rest upon the sides of the buggy-body A, when it is necessary to use seat G, and serves to prevent this seat from swinging backward, in the same substantial manner that the cross-brace F supports this seat, G, in front, as shown in figs. 2 and 3, and prevents it from swinging forward.

When seat G is not wanted, by turning up blocks J to the position shown in fig. 2, by the dotted lines, and pushing slides L up close to the block J, as shown in the same fig. 2, the seat can be turned back and down till it occupies the position indicated in fig. 1; that is, entirely and compactly out of the way of seat B, when but two persons are driving.

My invention is thus seen to be of simple and cheap construction, as well as light, compact, durable, and elegant, and thus securing the several most important and desirable features in the class of two-seated buggies to which my invention belongs.

Having thus fully described my invention,

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

1. The movable seat G, with slides L L, adjustable blocks J J, plates H H, and bolts h h, in combination with cross-piece F, constructed substantially as described, and operating as and for the purposes set forth.

2. The seat B, as described, in combination with the seat G, when used as an adjustable seat for buggies and carriages, operating as and for the purposes set forth.

In testimony that I claim the above-described certain new and useful "improvements in buggy-seats," I have hereunto signed my name this 15th day of January, 1869.

CHRISTIAN HAAS.

Witnesses:

HENRY ARNOLD,
AUGUST BRIBACH.