

(No Model.)

F. W. COLEMAN.

VEHICLE SEAT.

No. 322,684.

Patented July 21, 1885.

Fig. 1.

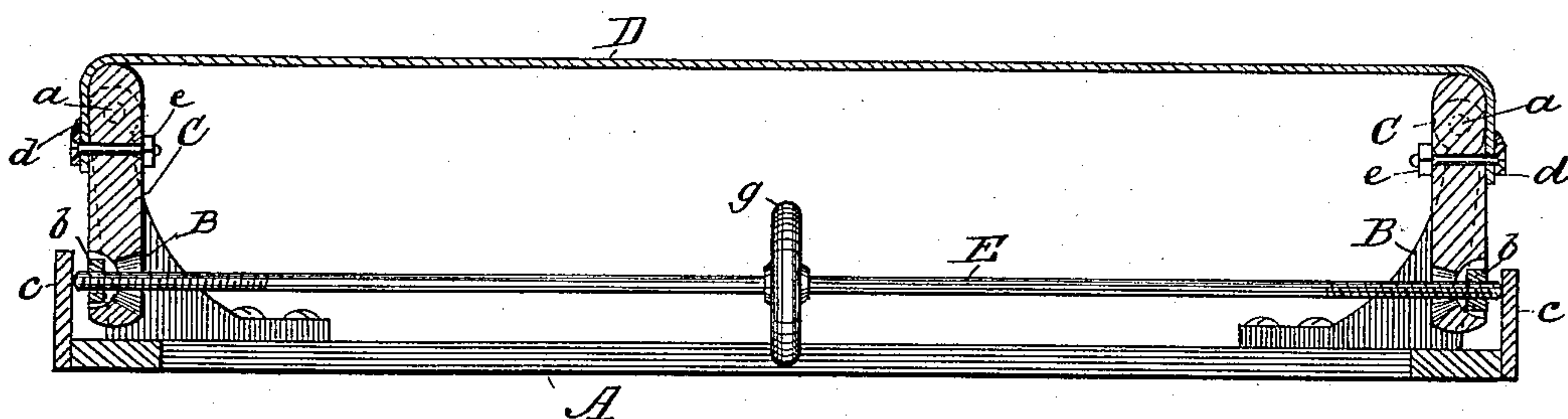
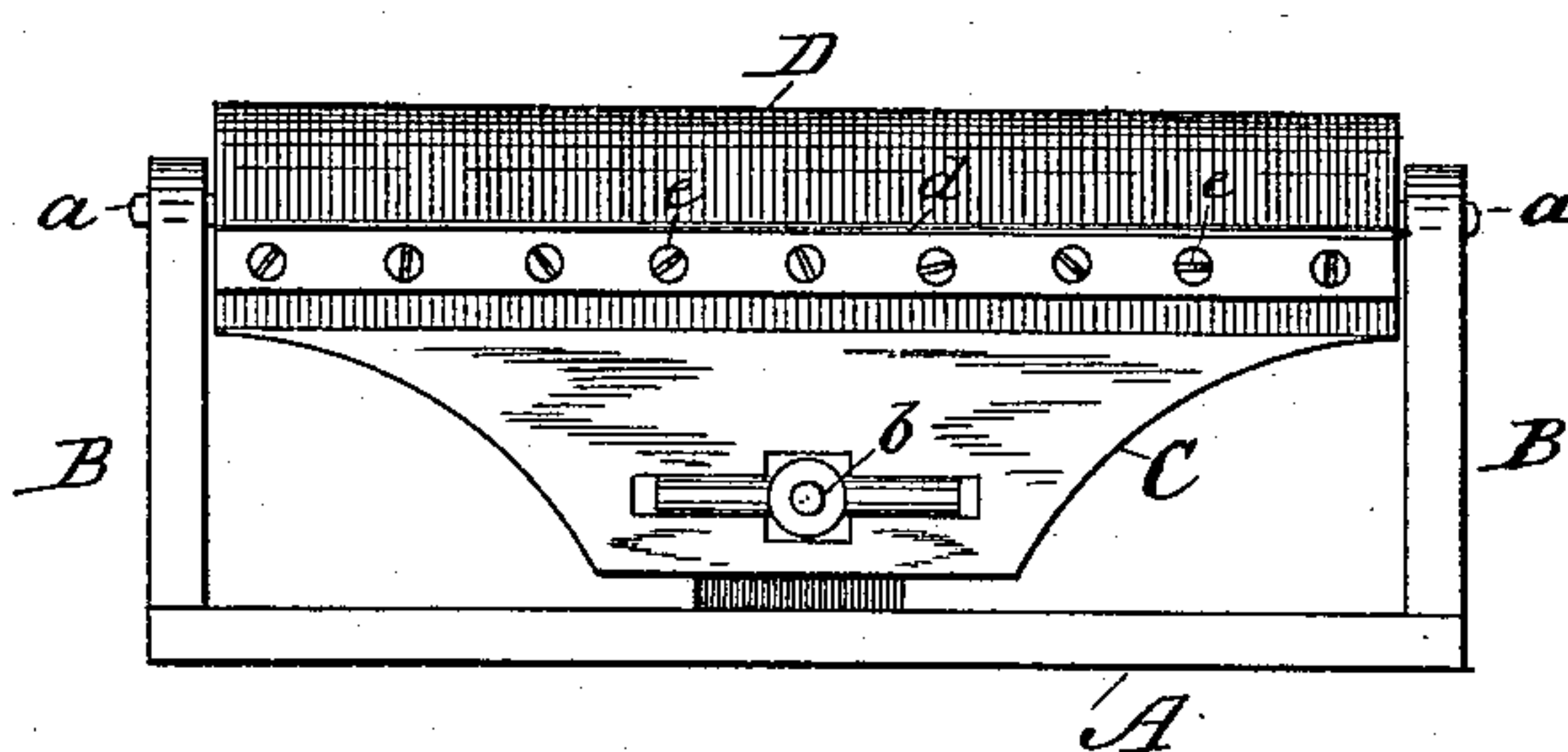


Fig. 2.



WITNESSES:

W. W. Hollingsworth
Edw. A. Dyre

INVENTOR:

F. W. Coleman
BY *Munn & Co*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRANCIS W. COLEMAN, OF RODNEY, MISSISSIPPI.

VEHICLE-SEAT.

SPECIFICATION forming part of Letters Patent No. 322,684, dated July 21, 1885.

Application filed May 27, 1885. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS W. COLEMAN, a citizen of the United States, residing at Rodney, in the county of Jefferson and State of Mississippi, have invented certain new and useful Improvements in Vehicle-Seats, of which the following is a description.

Figure 1 is a longitudinal vertical section of the seat, and Fig. 2 is an end view.

The object of my invention is to provide a soft, elastic, and cool seat for vehicles, which may also be used for lounges, bed-bottoms, chairs, cots, and for analogous purposes.

It consists in a flexible tension surface of canvas, leather, or other analogous material, combined with and attached to horizontal end frames journaled in uprights, and a right-and-left screw-rod extending from end frame to end frame, and tapped through right-and-left nuts in said end frame, by which construction the turning of the right-and-left screw-rod is made to rock the end frames and tighten the flexible seat above.

It also consists in the peculiar connection of the screw-rod and the end frames, as will be hereinafter more fully described.

In the drawings, A represents a rectangular base-frame, to which at its four corners are fastened by screws or otherwise the bracket-shaped standards B, in the upper ends of which are formed bearings for the journals of the end frames. C C are these end frames, which are formed with straight upper edges, to which the flexible seat D is attached, and which end frames are provided a little below their upper edges with journals *a*, that rest in the bearings in the tops of the standards B and extend down in the middle below the fulcrum in a somewhat triangular shape. Through the lower portions of the two end frames there pass the opposite ends of a right-and-left screw-rod, E, which near its middle is provided with a hand-wheel, *g*, or other suitable or convenient device for turning it. At the point where the screw-rod passes through the end frames said rod is tapped into a nut, *b*, of peculiar shape, which is set in a recess in the end frames, and has round extensions or wings on each side of it, as shown in Fig. 2, which have a rocking bearing in the recess of the end

frame to allow said nut to rock as the end frames are adjusted about their fulcra.

To the bottom rectangular frame, A, and at the ends thereof, and in line with the screw-rod, are short uprights *c*, which prevent longitudinal displacement of the screw-rod and cause the screw-rod, when turned, to give an equal inward or outward motion to the fulcrumed frames, according to the direction the screw-rod is turned.

For connecting the flexible seat D to the end frames, the ends of said flexible seat are clamped between the straight upper edges of the end frame and a metal strip, *d*, by means of bolts or nuts *e*, so that if the seat bags more than can be taken up by the screw-rod the strips *d* can be loosened and the fullness of the seat taken up. This same connection permits the flexible seat to be readily removed and replaced by a new one when worn.

Having thus described my invention, what I claim as new is—

1. The combination, with horizontally-fulcrumed end frames having horizontal upper edges and nuts below their fulcra, of a flexible seat or top, D, fastened to the horizontal edges of the end frames, and a right-and-left screw-rod arranged in the nuts below the fulcra of the end frames to adjust or tighten the flexible top, substantially as shown and described.

2. The combination, with the flexible seat and the horizontally-fulcrumed end frames, of the rocking nuts, arranged in said end frames below their fulcra, and the right-and-left screw-rod arranged in said nuts, as and for the purpose described.

3. The combination of the base-frame A, having uprights *c*, the corner supports, B, the end frames, C C, fulcrumed therein, the seat D, of flexible material, and the screw-rod E, having right-and-left screws, substantially as and for the purpose described.

The above specification of my invention signed by me in the presence of two subscribing witnesses.

FRANCIS W. COLEMAN.

Witnesses:

EDWD. W. BYRN,
CHAS. A. PETTIT.