F. W. WHITNEY.

Standard for Carriage-Tops.

No. 209,097. Patented Oct. 15, 1878.

Fig: 1.

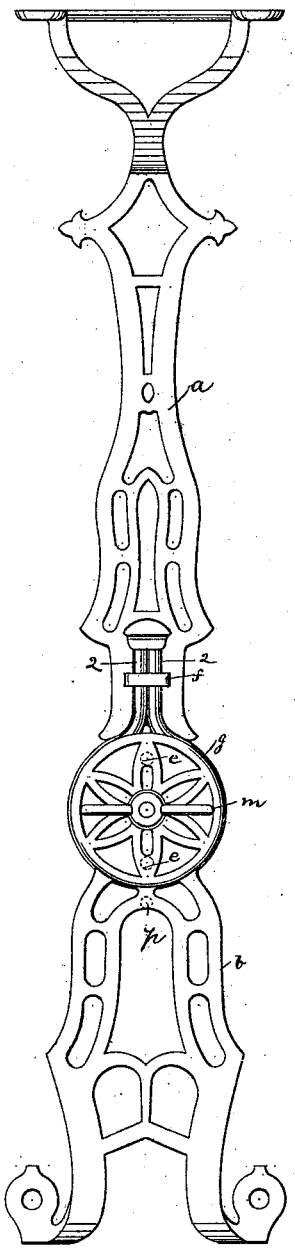


Fig: 3.

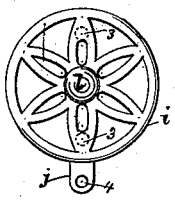
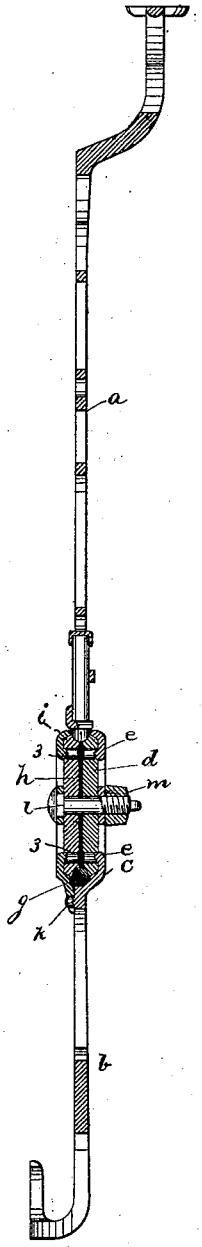


Fig: 2.



Witnesses.

L. F. Common

N. D. Whitney.

Inventor.

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by Crosby & Gregory Attys

UNITED STATES PATENT OFFICE.

FRANCIS W. WHITNEY, OF LEOMINSTER, MASSACHUSETTS.

IMPROVEMENT IN STANDARDS FOR CARRIAGE-TOPS.

Specification forming part of Letters Patent No. **209,097**, dated October 15, 1878; application filed September 2, 1878.

To all whom it may concern:

Be it known that I, FRANCIS W. WHITNEY, of Leominster, county of Worcester, State of Massachusetts, have invented an Improvement in Standards for Carriage-Tops, of which the following description, in connection with the drawing forming a part thereof, is a specification.

This invention relates to an improved standard for the tops of children's or other carriages, to enable the same to be adjusted and held in adjusted position above, back, or in front of the seat, as may be desired.

The invention consists chiefly in the construction of the friction-joint intermediate between the two parts of the standard, it being composed of two disks, preferably of wood or equivalent material, which are embraced by an annulus or ring, the two disks being forced upon the annulus by a bolt and nut or equivalent clamping devices.

Figure 1 represents, in elevation, the outer side of a standard constructed in accordance with this invention; Fig. 2, a vertical section of Fig. 1; and Fig. 3, a detail of the inner loose cap or plate of the clamp.

This standard is composed of two parts, *a b*, of cast metal, the former being attached to the top and the latter to the seat of the carriage, in any usual way.

At the upper end of the portion *b* is a cap-shaped or circular flanged portion, *c*, within which is placed one of the wooden or other disks *d*, the said disk being provided, as shown in the drawing, with openings, to receive pins *e*, projecting from the portion *c*, said pins preventing the rotation of the disk.

The lower end of the portion *a* is provided with a loop, *f*, within which is placed the ends 2 2 of a ring or loop, *g*, of wire, the said loop being soldered or otherwise securely held in place at the lower end of the portion *a*, and being fitted to the concaved periphery of the disk *d*. When this loop *g* is placed about this disk *d*, as shown in Fig. 2, the second disk, *h*, is placed next the disk *d* at the opposite side of the loop. The cap-like portion *i* (see Fig. 3) is then placed outside the disk *h*, as in Fig. 2, the pins 3 on *i* entering holes in disk *h* to prevent its rotation, and the opening 4 in ear *j*, attached to *i*, fitting over the pin *k*, projecting from *b*, to thereby hold *i* in the proper position with relation to *c*.

The bolt *l* is extended through the parts *i h d c*, and a thumb-nut, *m*, is screwed upon the said bolt, so that when the said thumb-nut is turned upon the said bolt toward its head the concave portions of said disks or friction devices *h d* are caused to bear with more or less force upon the interior of the loop *g*, and hold the same in adjusted position.

The degree of pressure of these friction-disks may be varied at will, so as to cause more or less force to be exerted to turn the portion *a* and its attached top with reference to the portion *b* and the seat of the carriage.

The disks *h d* may be of hard rubber, paper-board, or other material which preferably will not require oil between them and the annulus *g*. Each disk may be of one or more pieces.

It is obvious, instead of attaching the annulus *g* to the portion *a* of the standard, that it may be attached to the portion *b*, and that the disks and the portions *c i* may be connected so as to move with *a* without departing from my invention; but the form shown in the drawing is preferable.

I claim—

1. In a carriage-standard, the combination, with one portion of the standard provided with a connected wire ring or annulus, *g*, of two independent grooved clamping-disks and mechanism to force them together to embrace and hold the said annulus and its connected portion of the standard in position by friction between the parts, substantially as described.

2. The portion *b* of the standard provided with the cap-like part *c*, the independent cap-like portion *i*, the disks *h d*, the portion *a* of the standard, and the annulus *g*, combined with a clamping device to force the disks against the annulus, substantially as described.

3. The cap-like portions *c* and *i* of the standard provided with pins or projections, combined with the disks provided with openings to receive the said pins to hold the disks in position, substantially as described.

4. The combination, with the portion *i* and

the standard, of a pin or projection on one to enter a slot or recess in the other to retain the portion *i* in position, substantially as described.

5. The combination, with the portion *a* of the standard, of the annular portion *g* of wire connected with the said standard, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANCIS W. WHITNEY.

Witnesses:

P. LOTHROP,

G. A. ALLEN.