No. 810,395. PATENTED JAN. 23, 1906.

J. S. COLLINS.

HANGING STRAP FOR PASSENGER VEHICLES.

APPLICATION FILED MAR. 6, 1905.

Fig. 1.

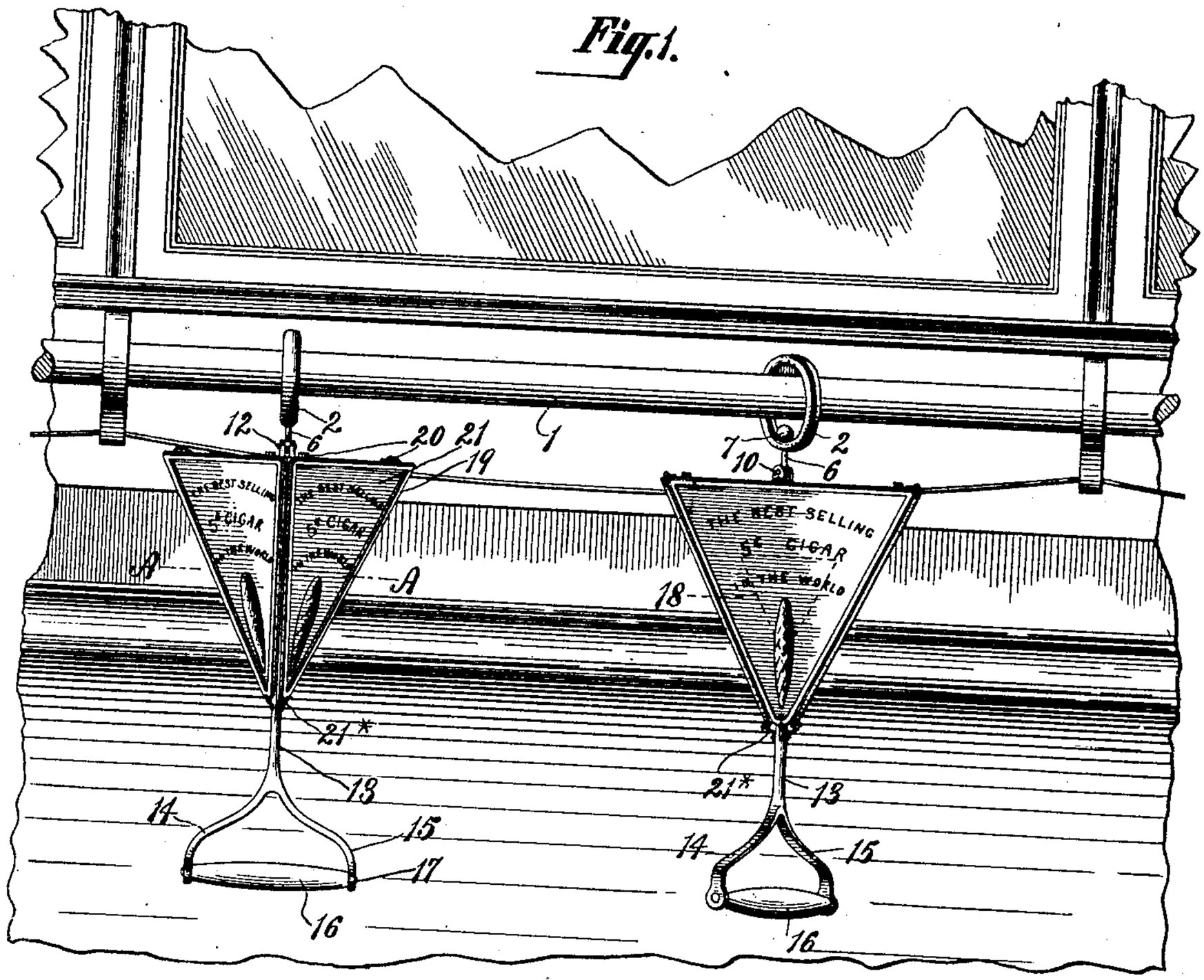


Fig. 2.

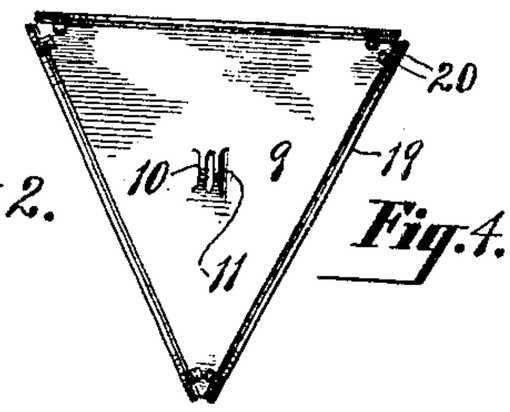


Fig. 3.

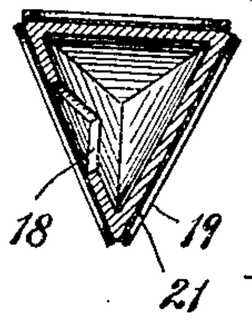


Fig. 4.

Fig. 5.

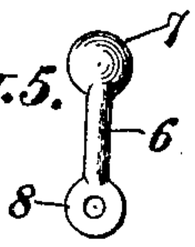


Fig. 6.

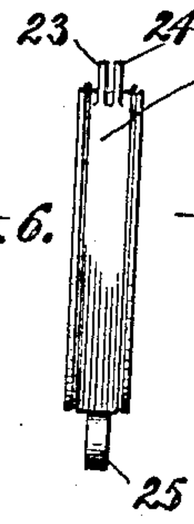


Fig. 7.

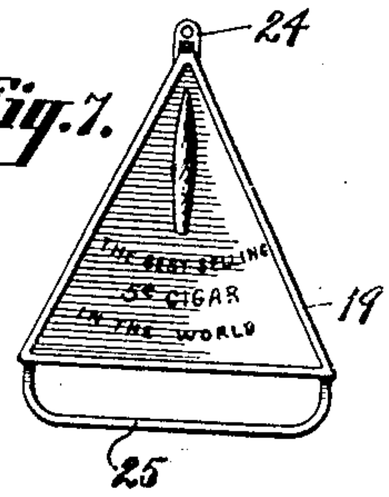
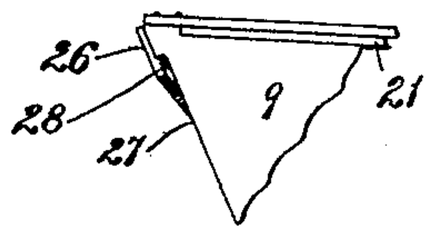


Fig. 8.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN S. COLLINS, OF NEW YORK, N. Y., ASSIGNOR, BY DIRECT AND MESNE ASSIGNMENTS, TO AMERICAN CAR STRAP ADVERTISING COMPANY, OF NEW YORK, N. Y., A CORPORATION OF SOUTH DAKOTA.

HANGING-STRAP FOR PASSENGER-VEHICLES.

No. 810,395. Specification of Letters Patent. Patented Jan. 23, 1906.

Application filed March 6, 1905. Serial No. 248,533.

To all whom it may concern:

Be it known that I, JOHN S. COLLINS, a citizen of the United States, and a resident of the borough of Manhattan, in the city and State of New York, have invented a new and useful Hanging-Strap for Passenger-Vehicles, of which the following is a specification.

My invention relates to hanging-straps for passenger-vehicles, and more particularly to a hanging-strap along the ceiling of the car which may be utilized both as a support for passengers who stand in the car and also as an attractive advertising medium.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 is a view of a portion of the interior of a car, showing two of the straps in position, but occupying different relative positions on their support. Fig. 2 is a top plan view in detail of the advertising portion of the strap. Fig. 3 is a transverse section of the advertising part of the strap in the plane of the line A A of Fig. 1. Fig. 4 is an enlarged view in detail, showing a vertical section of the supporting-ring. Fig. 5 is a view in detail of the ball-link for connecting the supporting-ring with the advertising part of the strap. Fig. 6 is a view in edge elevation, showing a modified form of advertising part of the strap. Fig. 7 is a face view of the same; and Fig. 8 is a partial top plan view of the advertising part of the strap, showing a modified construction for slipping the advertising-card into position.

The strap-rod, which commonly extends along the car near the ceiling, is denoted by 1. On this rod 1 strap-supporting rings 2 are placed at such intervals as may be desired to accommodate passengers who stand in the aisle.

The ring 2 is provided at its top with a cushion 3, preferably a rubber cushion, the lower edge of which is corrugated, as at 4, the cushion being conveniently held in place by means of a dovetailed connection 5 with the top of the ring. The corrugated face 4 of the cushion 3 is intended to rest on the rod 1 and prevents the ring from slipping along the rod when a downward pull is exerted on it and also makes it silent, and at the same time the ring may be slipped along the rod at pleasure by releasing the pull on the strap. The cushion 3 also serves to prevent the chafing of the rod 1 by the ring. The lower part of the ring is provided with a hole 5* for the reception of the shank 6 of the ball-link, the ball 7 of the said link resting on the interior face of the ring 2 around the margin of the hole 5*. The ball-link is provided at its opposite end with an eye 8 for the purpose of connecting it to the advertising part of the strap.

It is to be understood that the hole 5* is of such diameter in one direction as to permit the eye 8 to pass through in assembling the parts.

The advertising part of the strap in my preferred form consists of an inverted pyramid, in the present instance a pyramid with a triangular base, (denoted by 9.) The center of the triangular base of the pyramid is provided with a pair of ears 10 and 11, between which the eye 8 of the ball-link is received and locked in position by a pin 12.

From the apex of the pyramid a shank 13 extends downwardly, and its lower end is bifurcated, forming branches 14 15, in the ends of which a handle 16 is secured by means of a pintle 17.

In construction the pyramidal portion with its shank and bifurcated branches 14 15, as well as the ears 10 and 11, may be cast in one piece of metal, the sides of the pyramid being provided with open spaces, (indicated in dotted lines in Fig. 1 and denoted by 18.)

To hold the advertising-cards in position on the sides of the pyramid, I may use a skeleton frame 19 of triangular form corresponding to the margin of the side of the pyramid and hinged at 20 to the base 9 of the pyramid and so constructed as to overlap the outer edge of the advertising-card 21, which in turn is made triangular to correspond to the side of the pyramid. The lower ends of the skeleton frames 19 may be held in position by spring-clips 21* or any other well-known or suitable fastening.

In the form shown in Figs. 6 and 7 the advertising part of the strap is in the form of a flat triangular piece as distinguished from a pyramidal form and presents but two sides for advertising matter instead of three, as in the pyramidal form. This form also shows the advertising part hung with its apex uppermost instead of in the reverse form, as shown in Fig. 1. The body of the advertising part

in this form is denoted by 22 and is provided with ears 23 24 at its apex for the reception of the ball-link, while at its lower end the body is extended in the form of a loop 25, which serves as a handle for the passenger.

In Fig. 8 I have shown a modified arrangement for holding the advertising-cards in their positions on the pyramidal form of advertising-strap, which consists in making the marginal parts 26 of the pyramidal body overlap the body 27, leaving a groove 28 at the margin, into which the edges of the card may be slid point downward, the card being held in position by gravity and being readily removable for interchanging.

The strap has the advantage of being attractive as well as durable and affords an opportunity of placing advertising matter where it will be apt to attract the attention of the passengers and at the same time being constructed of metal it may be kept clean and sanitary. It also affords a convenient handle for the grasp of the hand.

What I claim is—

1. A hanging-strap for vehicles comprising a supporting-ring provided with a bearing-cushion in its upper portion, an advertising-body suspended from the ring in free rotary adjustment and a handle depending from the advertising-body.

2. A hanging-strap for vehicles comprising a suitable primary support, a pyramidal body for the reception of advertising matter on all of its faces and a handle depending from the pyramidal body.

3. A hanging-strap for vehicles comprising a suitable primary support, an inverted pyramidal body for the reception of advertising matter on all of its faces depending from the primary support and a handle depending from the apex of the pyramid.

4. A hanging-strap for vehicles comprising a suitable primary support, a pyramidal body depending from the primary support, a handle depending from the pyramidal body and means for holding advertising-cards in removable adjustment on the several faces of the pyramidal body.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 3d day of March, 1905.

JOHN S. COLLINS.

Witnesses:

FREDK. HAYNES,

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