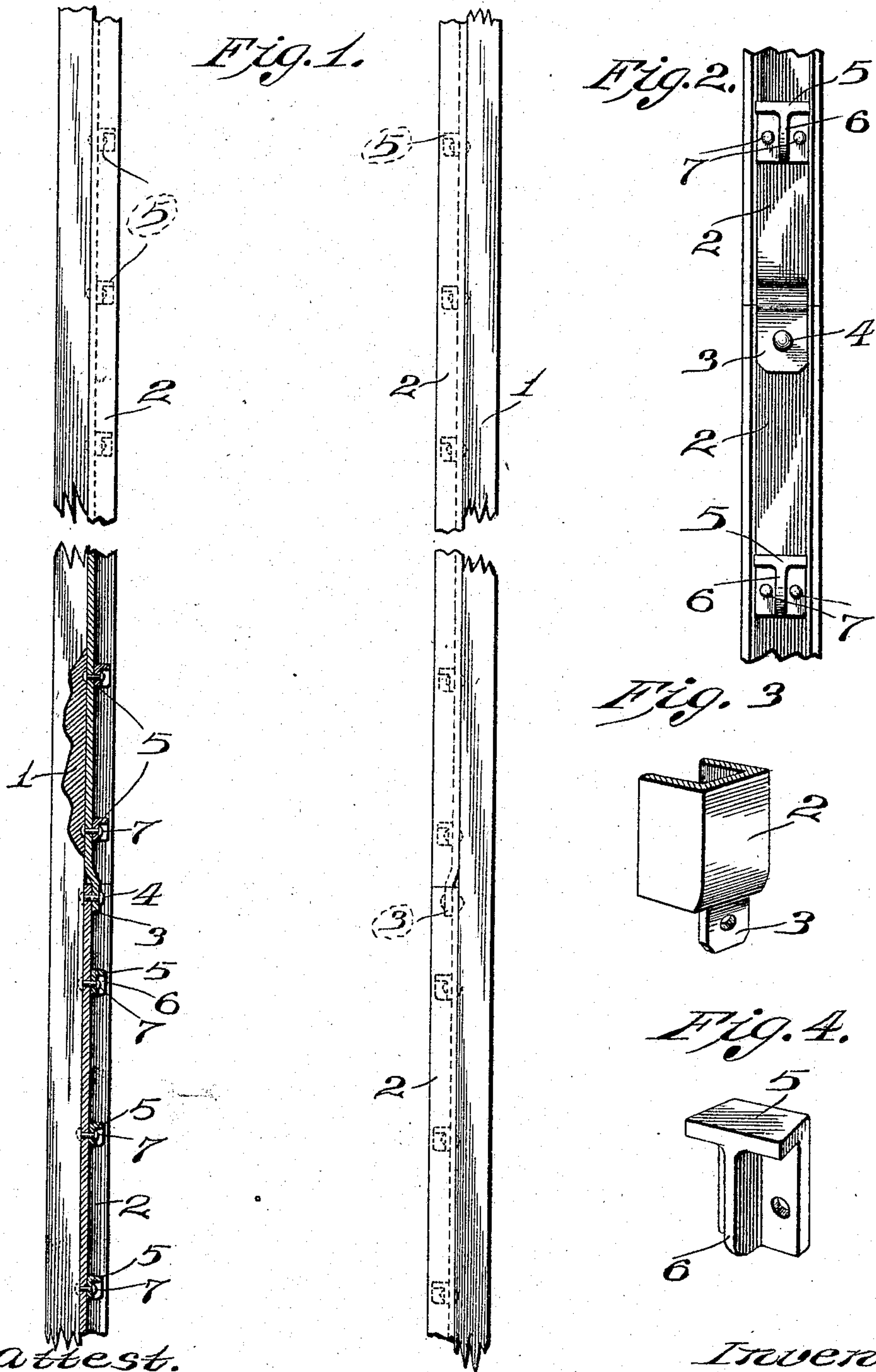


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ELEVATOR GUIDE.
APPLICATION FILED MAY 7, 1908.

907,836.

Patented Dec. 29, 1908.



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UNITED STATES PATENT OFFICE.

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ELEVATOR-GUIDE.

No. 907,836.

Specification of Letters Patent.

Patented Dec. 29, 1908.

Application filed May 7, 1908. Serial No. 431,410.

To all whom it may concern:

Be it known that I, HENRY MARTINI, citizen of the United States, and resident of Jewett, Leon county, Texas, have invented certain new and useful Improvements in Elevator-Guides, of which the following is a specification containing a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to guides for elevator cars and cages, the object of my invention being to construct simple and inexpensive guides particularly adapted for use in connection with safety elevators, such as are used in mines; and which guides are equipped with lugs or brackets which are adapted to be engaged by safety appliances arranged on the elevator car or cage.

The subject-matter of this application is a part of the subject-matter shown and described in a patent application filed by me August 1, 1907, Serial No. 386,655, on "safety catches for mine cages."

To the above purposes, my invention consists in certain novel features of construction and arrangement of parts, which will be hereinafter more fully set forth, pointed out in the claims, and illustrated in the accompanying drawings, in which:—

Figure 1 is an elevation of a pair of upright timbers arranged on opposite sides of an elevator hatchway, or in a mine shaft, and showing my improved guides positioned thereon; Fig. 2 is an elevation looking at the face of a portion of one of the guides, and showing a joint therein; Fig. 3 is a perspective view of the lower end of one of the sections of my improved guide; Fig. 4 is a perspective view of one of the lugs or brackets which are rigidly fixed in the guides.

Referring by numerals to the accompanying drawings:—1 designates the upright timbers, which are arranged on opposite sides of the elevator hatchway, or in a mine shaft; and positioned against the front faces of said uprights are my improved guides, which are formed in sections of suitable length, and said guides being in the form of channel bars 2.

Formed integral with the lower ends of the

sections of the guides so formed are tongues 3, which overlap the webs on the upper ends of the adjacent sections of the guides, said overlapping portions being rigidly connected by rivets or bolts 4.

Rigidly fixed in any suitable manner to the webs of the channel bars forming the guides, and arranged at suitable distances apart, are brackets or lugs 5, which are in the form of inverted L-shaped members provided with strengthening webs 6 on their front faces, and said brackets or lugs are rigidly fixed to the guides by means of bolts or rivets 7.

The guides so constructed are engaged by brackets arranged on the sides of the elevator car or cage, and the safety catches on the car or cage are adapted to move outward and engage on top of the brackets or lugs 5 when the hoisting cables break, thus preventing the dropping of said cage to the bottom of the elevator shaft.

My improved guides can be made up of sections of any length, can be readily extended vertically in either direction, and are especially applicable for use in connection with elevator cages or cars on which safety catches are employed.

I claim:—

1. The herein described elevator guide, comprising a series of sectional channel bars, tongues formed integral with the web of each sectional channel bar at one end thereof, and overlapping the web of the adjacent channel bar, means whereby the overlapping tongue is rigidly fixed to the web, and inverted L-shaped brackets rigidly fixed to the webs of the channel bars between the flanges thereof.

2. The herein described elevator guide, comprising a series of sectional channel bars, the meeting ends of which overlap and are rigidly fixed to one another, and inverted L-shaped brackets rigidly fixed to the webs of the channel bars between the flanges thereof.

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

HENRY MARTINI.

Witnesses:

B. D. DOSHIELL.

EUGENE MARTINI.