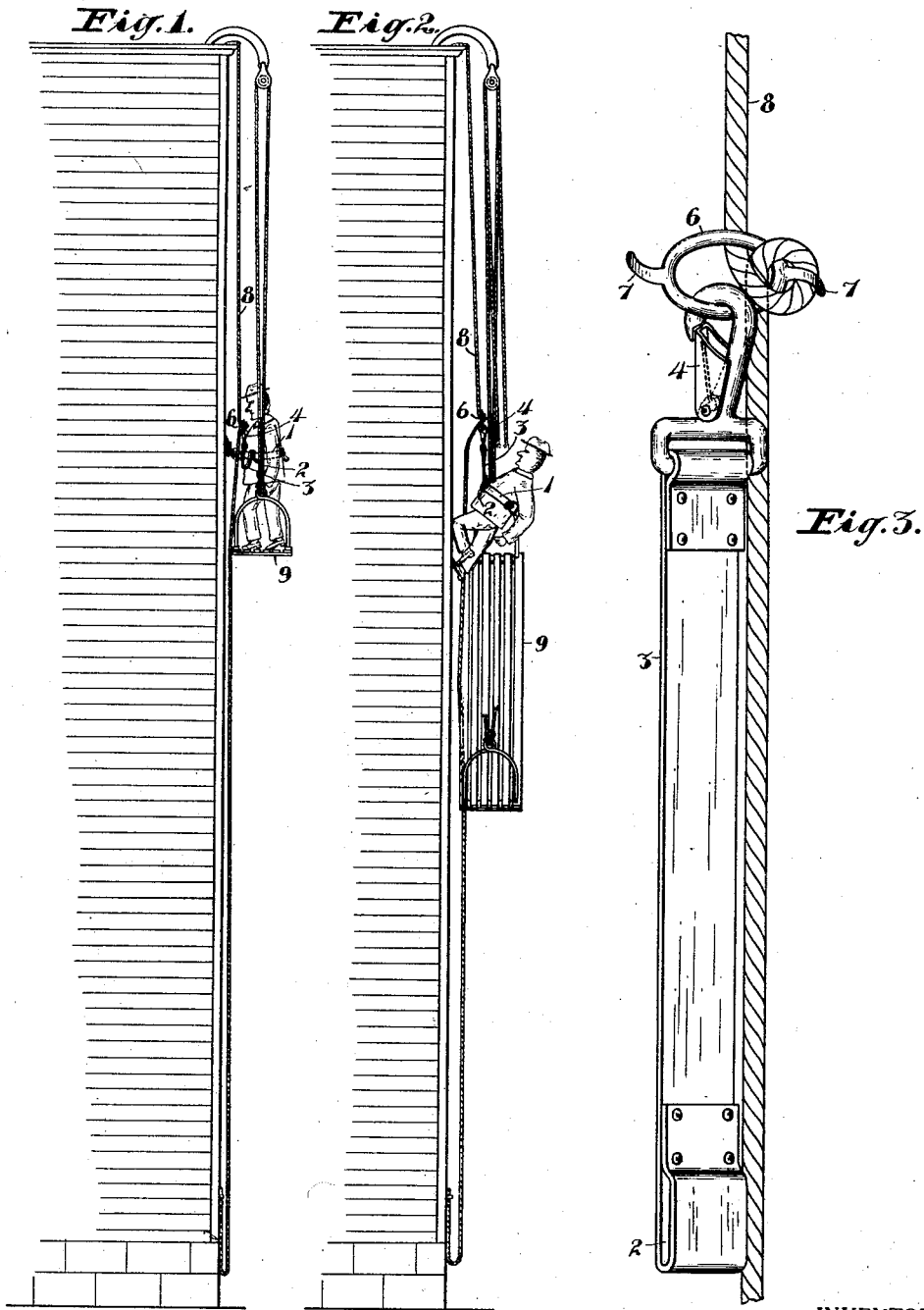


H. BARMAN.
SAFETY APPLIANCE FOR PAINTERS AND THE LIKE.
APPLICATION FILED APR. 22, 1914.

1,109,276.

Patented Sept. 1, 1914.



WITNESSES:

J. C. Kiedner
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UNITED STATES PATENT OFFICE.

HARRY BARMAN, OF SAN FRANCISCO, CALIFORNIA.

SAFETY APPLIANCE FOR PAINTERS AND THE LIKE.

1,109,276.

Specification of Letters Patent.

Patented Sept. 1, 1914.

Application filed April 22, 1914. Serial No. 833,635.

To all whom it may concern:

Be it known that I, HARRY BARMAN, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented new and useful Improvements in Safety Appliances for Painters and the like, of which the following is a specification.

Many serious and even fatal accidents occur to house painters by reason of the giving way of scaffolding upon which they stand, or of their falling, or being knocked, from the scaffolding.

It is the object of the present invention to provide an appliance by which any serious results from such accidents may be avoided.

In the accompanying drawing, Figure 1 is a side elevation of a portion of a house upon which a painter equipped with my improved safety appliance is at work; Fig. 2 is a similar view showing the position of the painter when the scaffolding has given way; Fig. 3 is an enlarged perspective view of the device.

Referring to the drawing, 1 indicates a strong leather belt, which is firmly secured around the waist of the painter or other person engaged at work on the side of a building. Before so securing it, said belt is passed through a loop 2 at the lower end of a strap 3 to the upper end of which strap is secured a snap hook 4. Into said hook is snapped a ring 6. From opposite sides of said ring extend horizontally two horns 7, both curved, but in opposite directions from the plane of the ring. The reason for providing two horns is that one horn will always be in the proper position for performing its function at whichever side of the ring the hook is snapped into the ring 6.

In using this appliance a rope 8 is secured at its upper end to the top of the building and at its lower end to the ground. The painter or other artisan, having adjusted the belt around his waist, and standing on the scaffolding 9, with the strap 3 in front, draws through the ring toward him from the side next the building a loop of the rope, and then gives it a half left-handed turn, and hooks the loop on the horn which is

turned away from him and toward the building. Should now the scaffolding give way, or the painter fall therefrom, he will be held very firmly by the rope, because, his weight being on the upper part of the rope, said upper part will be under tension, and will therefore compress very firmly against the ring the part of the rope passing from the horn to the ground. The painter can easily lower himself to the ground by tightly gripping the rope with his legs, holding the upper part of the rope with one hand, and with the other releasing the snap hook from the ring, and then sliding to the ground. As the scaffolding is lowered with the progress of the work, the painter adjusts the rope by unfastening the former loop and passing through the ring a loop in a lower part of the rope and securing it as before. A very small degree of looseness of the rope hanging from the top of the building will give the painter considerable freedom of movement on either side of the direct vertical line through the rope.

While the law in some States requires a railing to be placed at the back of painters' scaffolding, yet this only eliminates part of the accidents, and accidents frequently occur from the scaffolding itself giving way, or the painter falling from the front side of the scaffolding, or otherwise.

I claim:—

In combination, a curved rigid member, means for suspending a man from said member, and a rope having a bight around a portion of said rigid member, and extending upwardly and downwardly therefrom, the downwardly extending portion of said rope passing between, and being compressed by, said member and the upwardly extending portion of the rope.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

HARRY BARMAN.

Witnesses:

F. M. WRIGHT,
D. B. RICHARDS.