

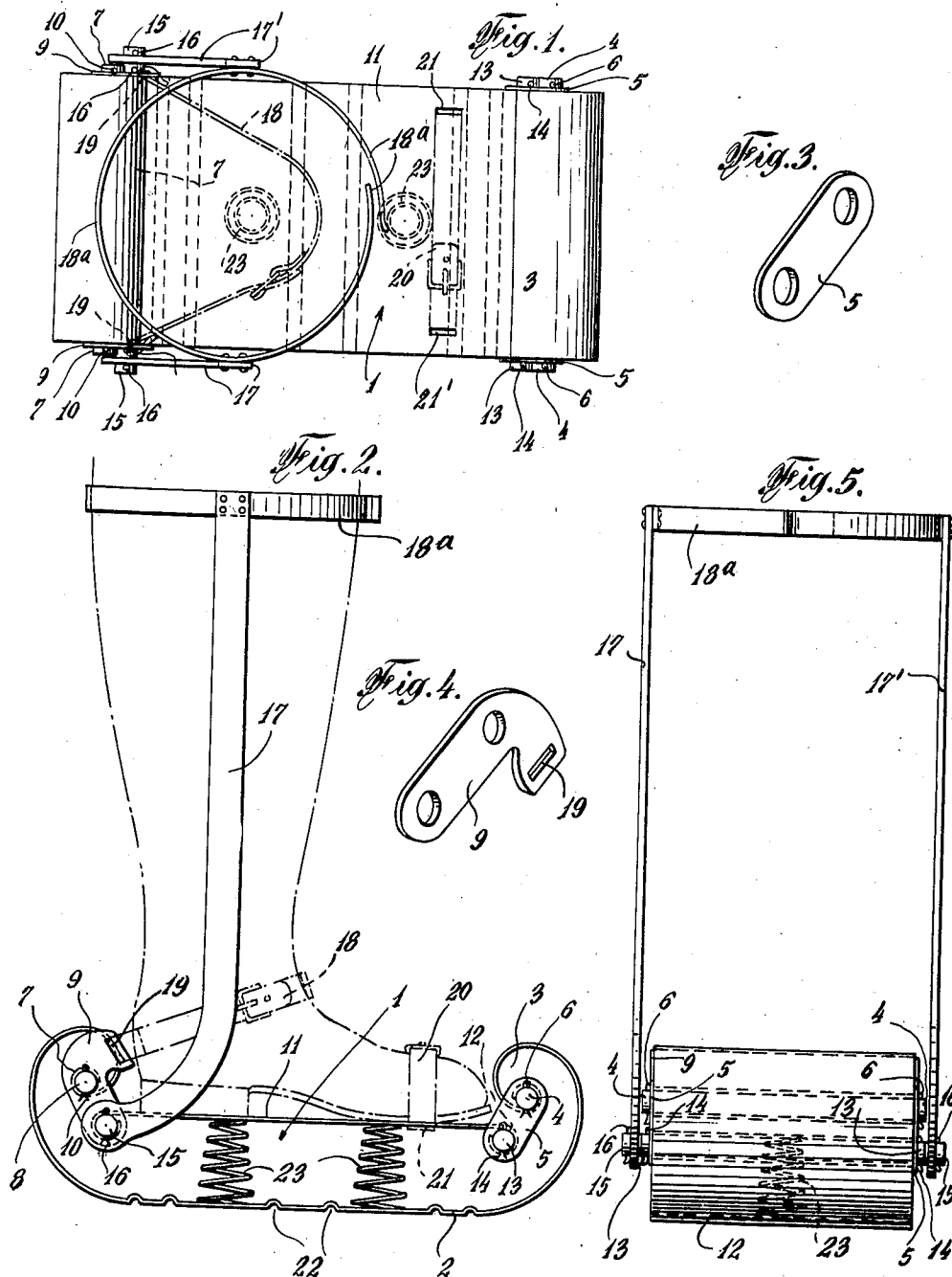
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SHOCK ABSORBER FOR PARACHUTE JUMPERS

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SHOCK ABSORBER FOR PARACHUTE
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1 Claim. (Cl. 267—1)

The purpose of our invention is to provide a shock absorber for parachute jumpers which is attached to the feet and when the jumper hits the ground, the shock is absorbed in our invention and eliminates the danger of injuries to the body, particularly the legs.

Our invention is simple in design and may be readily attached or detached in a minimum of time and physical effort.

Referring to the drawing:

Figure 1 is a top plan view.

Figure 2 is a side view.

Figure 3 is face plate at front.

Figure 4 is face plate at rear

Figure 5 is a rear view.

We attain these objects by the means illustrated in the drawing accompanying this specification, in which

Numeral 1 is the shock absorber for parachute jumper, one for each leg; numeral 2 is the bottom spring plate, the forward end of which is coiled at 3 and wound around bar 4, held in rigid position by means of face plates 5 and locked by cotter-pins 6; the rear of the bottom spring plate 2 is coiled at 7 and wound around the bar 8 and held in rigid position by means of face plates 9 and cotter-pins 10. The upper spring plate 11 is coiled at forward end 12, wound around the bar 13 and held in rigid position by means of face plates 5 and locked by cotter-pins 14. The upper spring plate at rear end is coiled around bar 15 and held in rigid position by means of face plates 9 and cotter-pins 16. The upwardly

extending movable bars 17 and 17' are held in position on bar 15 by means of face plates 9 (both sides) and cotter-pins 16.

At the top of bar 17 a steel strap 18a is held in secured position and is snapped around the leg being readily attached and detached. The strap 18 is placed around the shoe and held in secured position at openings 19 on each of the face plates 9. The front shoe strap 20 is inserted through slots 21 and 21' in the upper spring plate 11. Grooves or corrugations are shown at 22; cushioned springs are shown at 23.

Slight changes may be made in our invention without departing from the broad scope of the invention.

We claim:

A shock absorber for use on each leg and shoe of a parachute jumper; comprising a base spring rolled front and rear over steel bars; an upper plate rolled at each end over steel bars front and rear; a vertical shaft on each side attached to said upper plate; face plates front and rear connecting the adjacent bars and held in place by means of cotter pins inserted through the holes at the ends of the bars; cushioned springs inserted between said upper plate and said base spring; a circular steel spring attached to said vertical shafts; said base plate having corrugated grooves at the bottom; and straps on the front and rear of the shock absorber for attachment to the shoe.

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