

A. PERSSON.

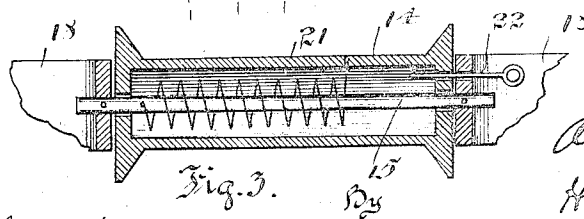
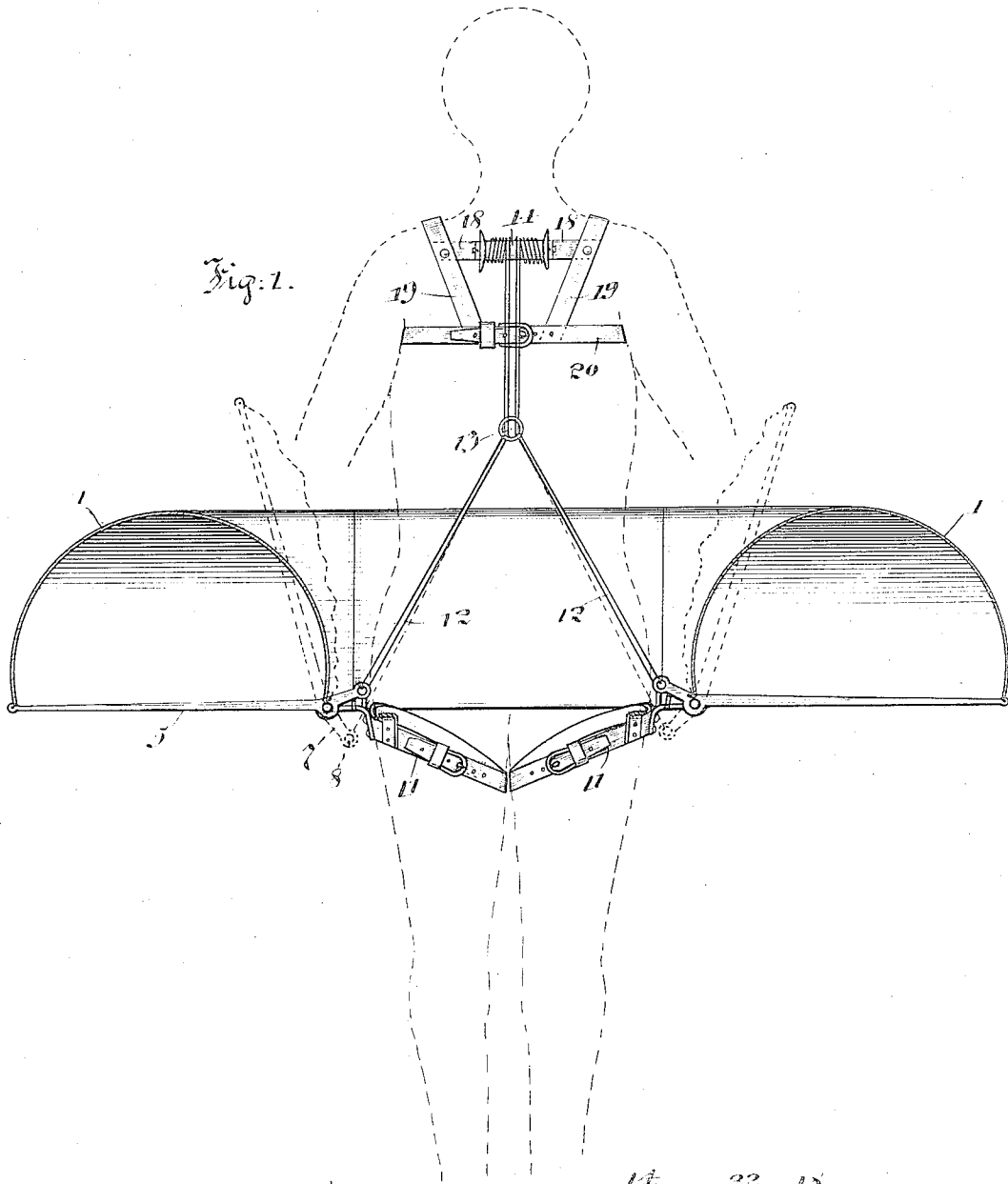
PARACHUTE.

APPLICATION FILED JULY 13, 1912.

1,060,703.

Patented May 6, 1913.

2 SHEETS-SHEET 1.



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2 SHEETS—SHEET 2.

Fig. 2.

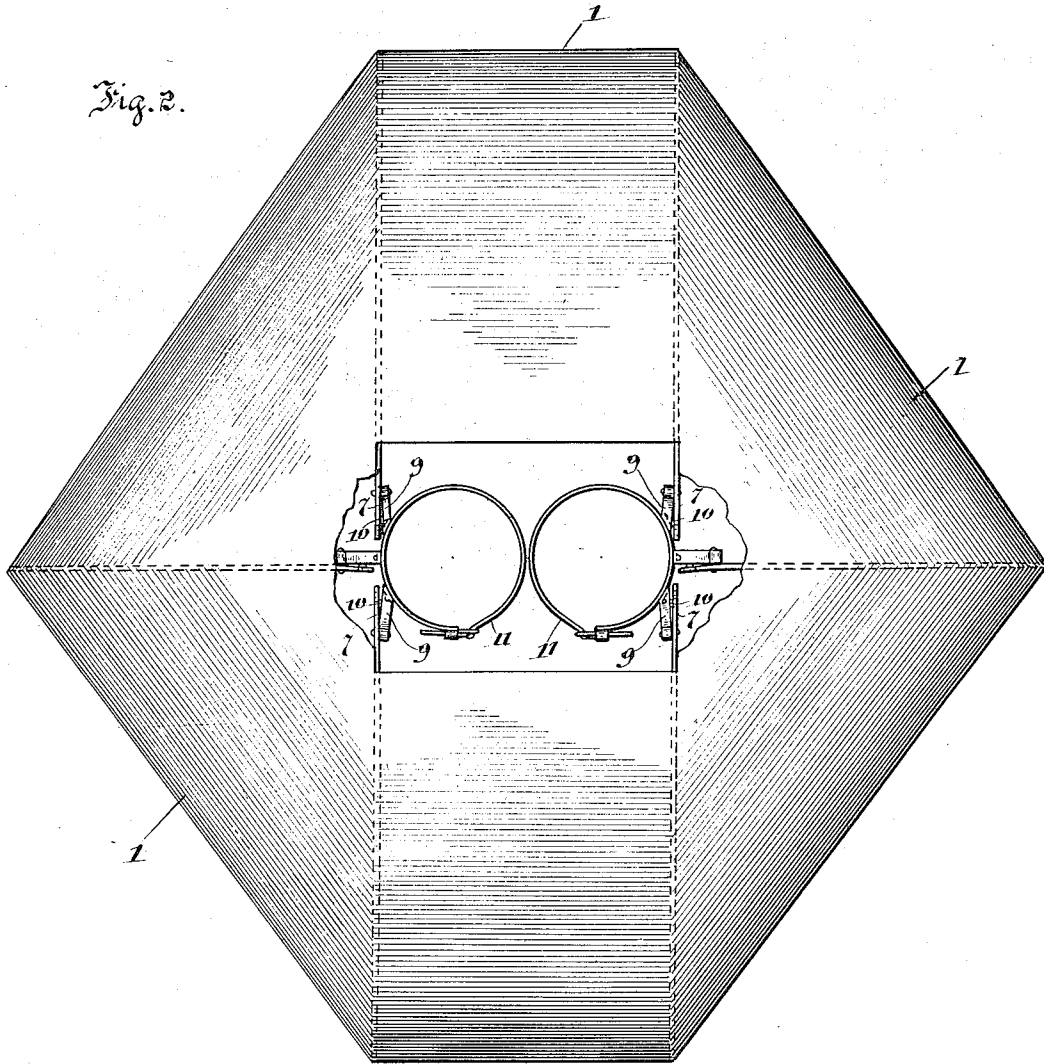


Fig. 5.

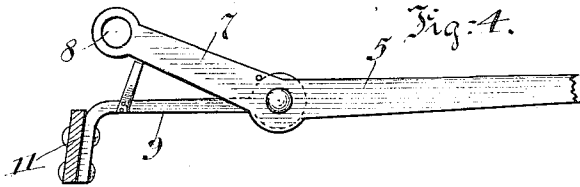
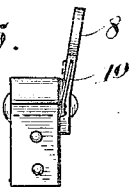


Fig. 4.

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PARACHUTE.

1,060,703.

Specification of Letters Patent.

Patented May 6, 1913.

Application filed July 13, 1912. Serial No. 709,220.

To all whom it may concern:

Be it known that I, ADOLPH PERSSON, a citizen of Sweden, residing at Greenwich, in the county of Washington and State of New York, have invented certain new and useful Improvements in Parachutes, of which the following is a specification.

This invention relates to improvements in safety parachutes for air ships and its object is to produce a device of this class that is simple in construction and efficient in operation and that, when not in use, may be folded up against the body of the user in which position it is out of the way and would not interfere with his bodily movements.

With the foregoing and other objects in view the invention consists in the combination and arrangement of parts to be hereinafter fully described in the following specification, pointed out in the claims and illustrated in the accompanying drawings which form a part of the specification, and in which—

Figure 1 is a section in elevation of the parachute extended and in position upon a person. Fig. 2 is a top plan of the parachute. Fig. 3 is a section through the reel employed. Fig. 4 is an enlarged detail of the lever employed. Fig. 5 is an end view of Fig. 4.

Like reference characters indicate corresponding parts throughout the several views.

1 is my parachute body which is preferably hexagonal in shape and made of canvas or any stout suitable material and secured to levers 5 which serve as ribs and each lever is formed with an integral heel 7 which is apertured at its free extremity as at 8. Each lever 5 is pivotally secured to a bracket 9 provided with a flexible stop 10 which tends to hold the lever through the medium of the heel 7 in its adjusted position but which will yield to pressure and be deflected to one side, as shown dotted in Fig. 5, to permit the passage of the said heel piece. One extremity of the bracket 9 is bolted or otherwise secured to a leg strap 11 that passes about the leg of the operator and is buckled in position as shown

in Fig. 1. Through the apertured heel of two or more of the levers a guide rope 12 is fastened, the said rope passing through a ring 13 and about a reel 14 that is mounted upon a shaft 15 whose extremities are fastened in metal plates 18, 18 secured to shoulder straps 19, 19 that pass over the shoulders of the operator and are fastened at back and front to a body girdle 20.

21 is a spring secured at one end to the axle 15 and at its opposite end to the reel 14.

To raise the wings into inoperative position, which is their normal position shown dotted in Fig. 1, the operator grasps the lower edge of the parachute body 1 and raises it thus oscillating the lever 5 upon its pivot into the position shown dotted and unwinding the rope from the reel 14. The parachute may be lowered into operative position by unwinding the rope from the reel when gravitation will position the parachute. The reel is recessed for the reception of a locking pin 22 secured to one plate 18.

In operation the operator with the parachute in position has but to leap into space when he will be carried safely to a landing.

What is claimed is:—

1. In a parachute the combination with the body portion thereof, of levers secured thereto, brackets pivotally carrying said levers, leg straps secured to said brackets and means adapted to be secured to the body of an operator and connected to the said levers whereby the latter may be actuated or locked in an adjusted position.

2. In a parachute the combination with the body portion thereof, of levers formed with apertured heels secured thereto, brackets pivotally carrying said levers, leg straps secured to said brackets, a body girdle, shoulder straps secured to said girdle, a reel supported by said shoulder straps and ropes connecting the said reel and the afore-said apertured heels.

3. In a parachute the combination with the body portion thereof, of levers formed with apertured heels secured thereto, brackets pivotally carrying the said levers, a flexible stop secured to said brackets for engagement with the said levers, leg straps

secured to said brackets, a body girdle, shoulder straps secured to said girdle, a reel supported by said shoulder straps and ropes connecting the said reel and the aforesaid
5 apertured heels.

In testimony that I claim the foregoing as my own I have hereto affixed my signa-

ture in the presence of two subscribing witnesses.

ADOLPH PERSSON.

Witnesses:

WILLIAM A. VAN KIRK,
MORTIMER R. TEFFT.