

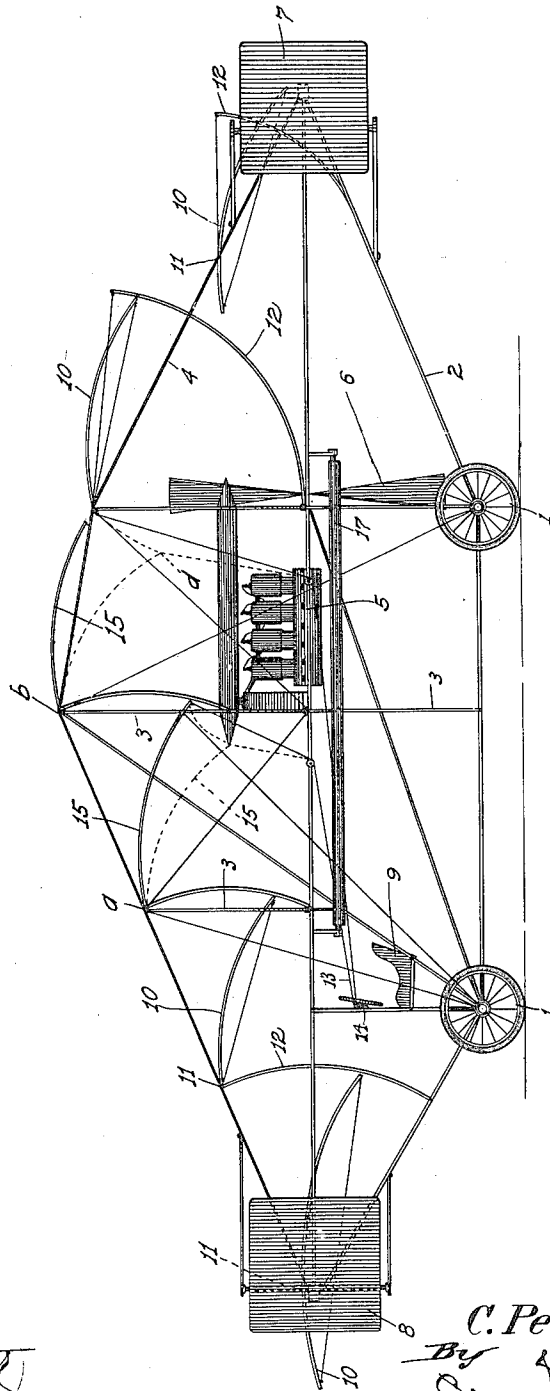
C. PETERSON.
MULTIPLANE.
APPLICATION FILED JULY 18, 1911.

1,043,969.

Patented Nov. 12, 1912.

3 SHEETS—SHEET 1.

Fig. 1



Witnesses

Frank A. Carter
R. B. Melster

Inventor

C. Peterson

By C. W. Melster
Attorney

C. PETERSON.

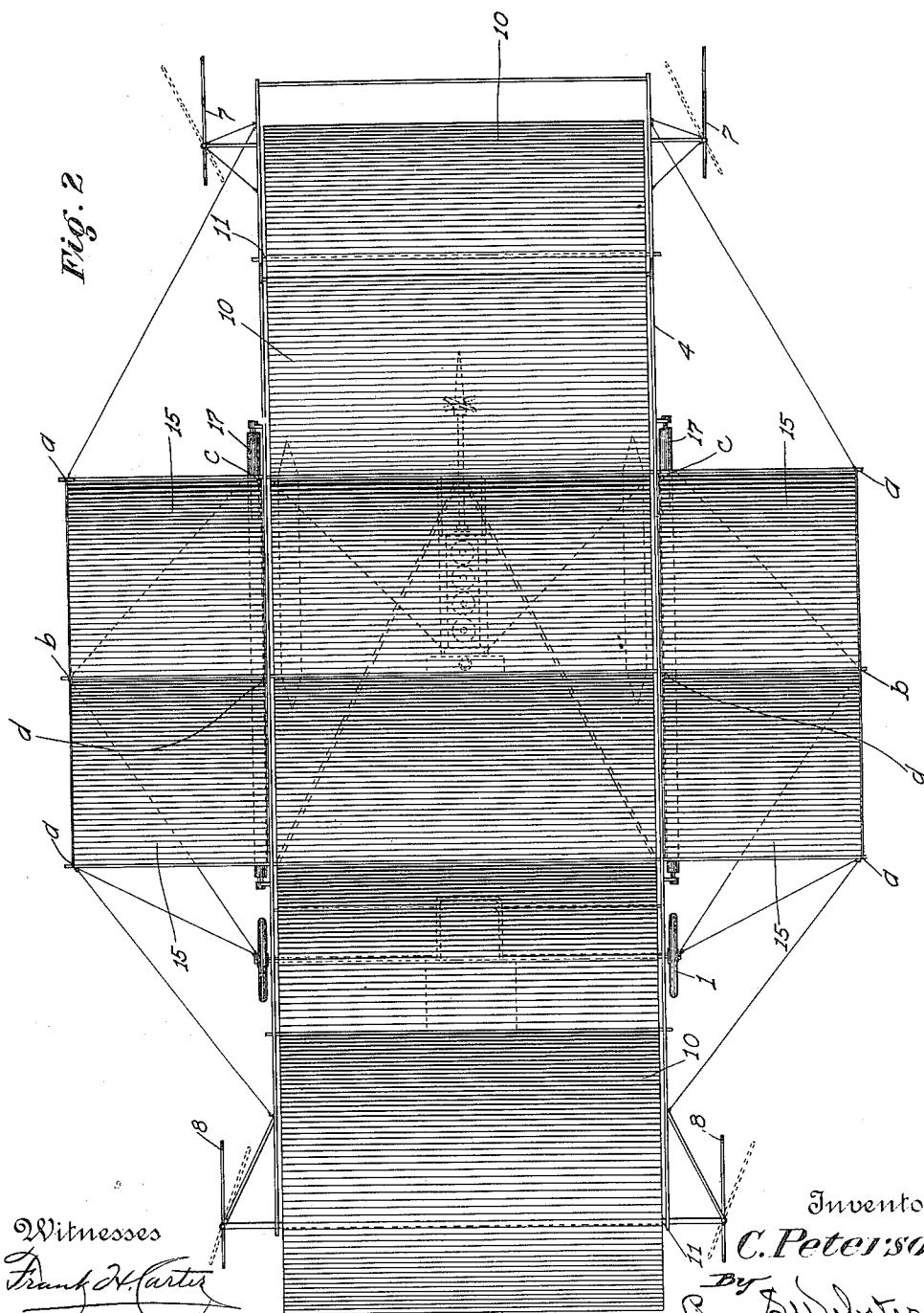
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3 SHEETS—SHEET 2.



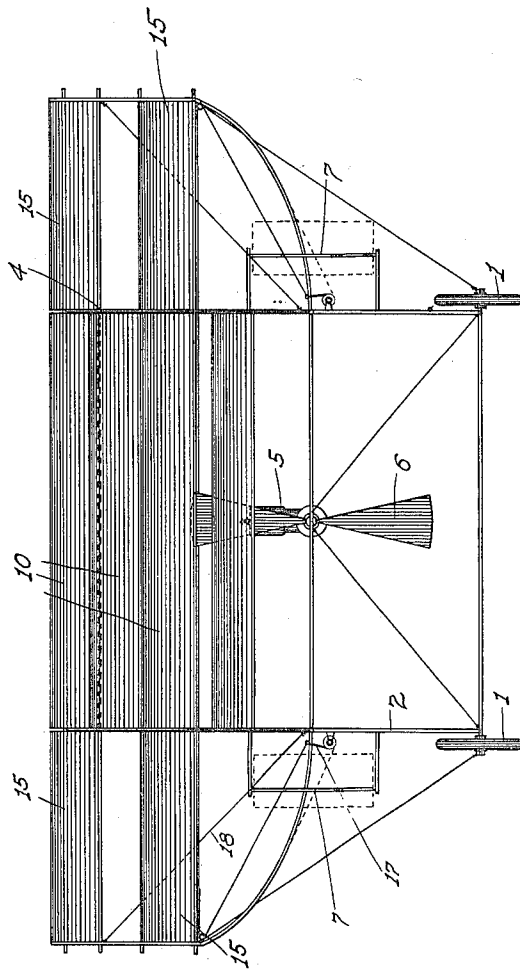
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3 SHEETS—SHEET 3.

Fig. 3



Witnesses

Frank A. Carter
J. B. Webster

Inventor

C. Peterson

By *Berry L. Webster*
Attorney

UNITED STATES PATENT OFFICE.

CHRISTOPHER PETERSON, OF STOCKTON, CALIFORNIA.

MULTIPLANE.

1,043,969.

Specification of Letters Patent.

Patented Nov. 12, 1912.

Application filed July 18, 1911. Serial No. 639,149.

To all whom it may concern

Be it known that I, CHRISTOPHER PETERSON, a citizen of the United States, residing at Stockton, in the county of San Joaquin, State of California, have invented certain new and useful Improvements in Multiplanes; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in air ships, and particularly to that type known as aeroplanes, the object of the invention being to produce an aeroplane having a plurality of alined adjustable planes longitudinal of the aeroplane, which planes are capable of being closed to form a complete canopy or parachute effect in case of accident. I also provide side planes adapted to warp in at their inner central corners for the purpose of adjusting the aeroplane laterally. I also have such other features of construction and safety appliances as will render the device perfectly safe in every respect and keep it perfectly balanced under all conditions.

A further object of the invention is to produce a simple and inexpensive device and yet one which will be exceedingly effective for the purposes for which it is designed.

These objects I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claims.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a side elevation of the aeroplane. Fig. 2 is a top plan view of the same. Fig. 3 is a rear elevation of the same.

Referring now more particularly to the characters of reference on the drawings, 1 designates the wheels carrying a base frame 2 and a series of vertical supports 3 and a top supporting frame 4 which may be built of any suitable structure or design as may be found adaptable.

5 designates the operating engine and 6 the propeller and 7 and 8 the rear and forward rudders, respectively.

The numeral 9 designates the operator's seat.

In applying my improved mechanism I first provide a plurality of curved planes 10 pivotally mounted in the frame 4 at spaced points as at 11, said planes being movable in curved guides 12 at their outer ends and provided with operating cords or cables 13 connected with levers 14 in front of the operator's seat 9, whereby said curved planes may be all pulled up into alinement to form a canopy or parachute over the aeroplane in case of accident, and thus prevent the same from turning over backward or frontward.

In order to prevent side play, I provide side planes 15 which are fixed at the points *a*, *b* and *c*, but are not fixed at the point *d*, whereby by means of cables 16 these inner corners may be warped in order to give the varying resistance to the wind for flying purposes or for balancing purposes as may be desired.

At each side of the main frame of the aeroplane I provide a canvas roll 17 provided with cables 18, whereby said canvas may be pulled out obliquely from the sides of the aeroplane in order to aid in preventing the aeroplane from tipping sidewise.

All the operating cables, of course, lead to the levers in front of the operator's seat 9.

From the foregoing description it will readily appear that I have produced such a device as substantially fulfils the objects of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention.

Having thus described my invention what I claim as new and useful and desire to secure by Letters Patent is:—

1. An aeroplane comprising the combination with a wheel mounted frame carrying a propeller mechanism, of main longitudinal planes disposed in stepped relation to said frame and movable in curving guides, projecting side planes on said frame projecting beyond the sides of said longitudinal planes, said side planes being fixed at three corners and capable of being warped at the fourth corner, and cables connected to said warping corners, as described.

2. An aeroplane comprising the combina-

tion with a wheel mounted frame provided
with a propeller mechanism, of a plurality
of longitudinal planes mounted in stepped
relation upon said frame and movable in
5 curving guides, side projecting planes ex-
tending beyond the sides of said longitudi-
nal planes and being fixed at three corners
and capable of being warped at the fourth
corner, and canvas rolls secured to the sides
10 of said frame and capable of being unrolled

and extended obliquely from said sides of
said frame to the outer edges of said side
extending planes, as described.

In testimony whereof I affix my signature
in presence of two witnesses.

CHRISTOPHER PETERSON.

Witnesses:

PERCY S. WEBSTER,
JOSHUA B. WEBSTER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
