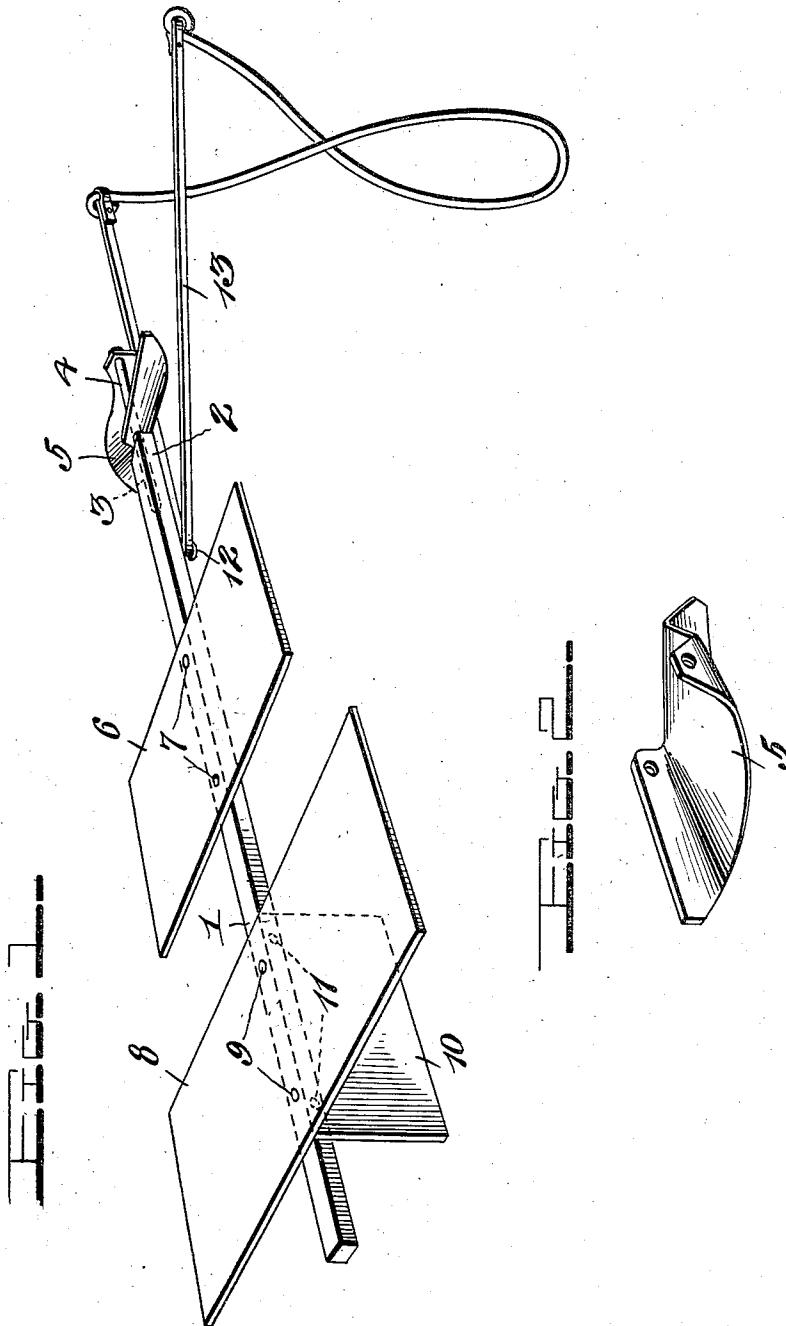


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TOY AIRSHIP.
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1,016,113.

Patented Jan. 30, 1912.



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Witnesses

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, FLOYD F. TAYLOR, a citizen of the United States, residing at Gadsden, in the county of Etowah and State of Alabama, have invented certain new and useful Improvements in Toy Airships, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to toys and more particularly to a toy air-ship, which has for its object to provide a device of this nature which can be readily and cheaply manufactured and have many qualities which are
15 desirable in a toy of this nature.

Another object of this invention is to provide means whereby the same will be guided in a relatively straight path through the air when the same is properly propelled
20 therethrough.

A further object is to provide means for avoiding the use of weights and the like at the end portion of the air-ship for the purpose of keeping the same properly balanced
25 in its flight.

Many other objects of this invention will become apparent as it is more fully set forth.

The toy in question consists in general of
30 a pair of planes, a supporting beam for the same, a guiding plane and a propeller, together with means for holding the same together, from which it can be noted that the device is comparatively simple in its
35 construction. The arrangement of these parts is such that the propeller will be so positioned as to get the full force of the wind as the device flies through the air. One of the planes is disposed near the end
40 portion of the supporting beam, and made heavier and larger than the other, which is preferably adjacent to the front end of the device, in order to afford a means for balancing the toy besides giving the desired
45 plane surface for the same. In order to provide additional means for balancing the device, a guiding plane is mounted under and adjacent to the larger plane just referred to. The general advantages of this
50 construction will become readily apparent as the device is more fully described.

In the accompanying drawings which illustrate by way of example an embodiment of this invention, Figure 1 represents a
55 perspective view of an air-ship embodying this invention together with the general

method of propelling the same through the air. Fig. 2 is a detail of the propeller of this device.

Similar reference characters refer to similar parts throughout the drawings.

Referring to the construction shown in the drawings, 1 represents a flat piece of material preferably of wood which has its end portion 2 provided with a hole or slot
65 3 therein, which is for the purpose of securely receiving a nail 4, that serves as a means for holding a propeller 5 to this portion of the beam. Fastened to the beam 1 and adjacent to the portion 2 referred to, is
70 a plane 6, which is preferably of card-board and secured in position by means of tacks 7. This plane is preferably of the shape and relative size shown in the drawings. Disposed adjacent to the first mentioned plane
75 and centrally between it and the back portion of the beam is a larger plane 8, that is preferably secured in position by means of the tacks 9, and a guiding plane 10 is disposed beneath the last mentioned plane and
80 on the side of the beam 1 for the purpose of weighting this portion of the device and for properly guiding the same.

11 are tacks for securely holding the last mentioned plane in position.

Mounted on the portion 2 and underneath the beam is a pin 12, which serves as a catch for a rubber band 13 that is disposed within a catapult frame for the purpose of propelling the toy through the air.

The general operation of the device is as follows:—The rubber band 13 is engaged with the pin 12 in the manner clearly shown in Fig. 1, and is stretched so as to produce the amount of necessary force for propelling the toy through the air, at the same time the operator holds on the back portion of the beam so that the device will be properly supported. When the operator lets go the back portion, the resilient action of the rubber band will send the device flying through the air. As the toy flies through the air, the planes will support the same in the well known manner and will serve to keep it afloat for a comparatively long distance, at the same time the propeller will be revolved, which will give a mechanical look to the device. The turning of the propeller will serve to keep the same properly directed in its flight so that the planes will engage with the air in the desired manner, and the centrifugal action of the same will

assist in keeping the device poised in the direction in which it is directed. The action of the plane 10 will also be a guiding one and will serve to prevent any erratic action that the propeller does not overcome, so that in general the toy will prove a very interesting one because of the directness of its flight and its general aeroplane appearance.

Obviously while there is shown but one form of this invention in the drawings, it is not desired to limit this application for patent to that particular form, or in any other way otherwise than necessitated by the prior art, as many modifications in the construction thereof, may be made without departing from the principles thereof.

Having thus described this invention, what is claimed is:—

In a toy of the class described, a beam, a pair of planes secured to said beam and longitudinally alined thereon, one of said

planes being adjacent to one end of said beam, and a secured plane adjacent to the first mentioned plane and relatively small in comparison therewith, a propeller disposed on the other end of said beam and rotatably connected thereto, a rudder or guiding plane disposed under the first mentioned plane and secured to said beam, said rudder being arranged to extend the whole of the transverse length of said plane, and a pin disposed in said beam adjacent to said propeller arranged for receiving the means that propel said toy through the air, substantially as described.

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

FLOYD F. TAYLOR.

Witnesses:

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