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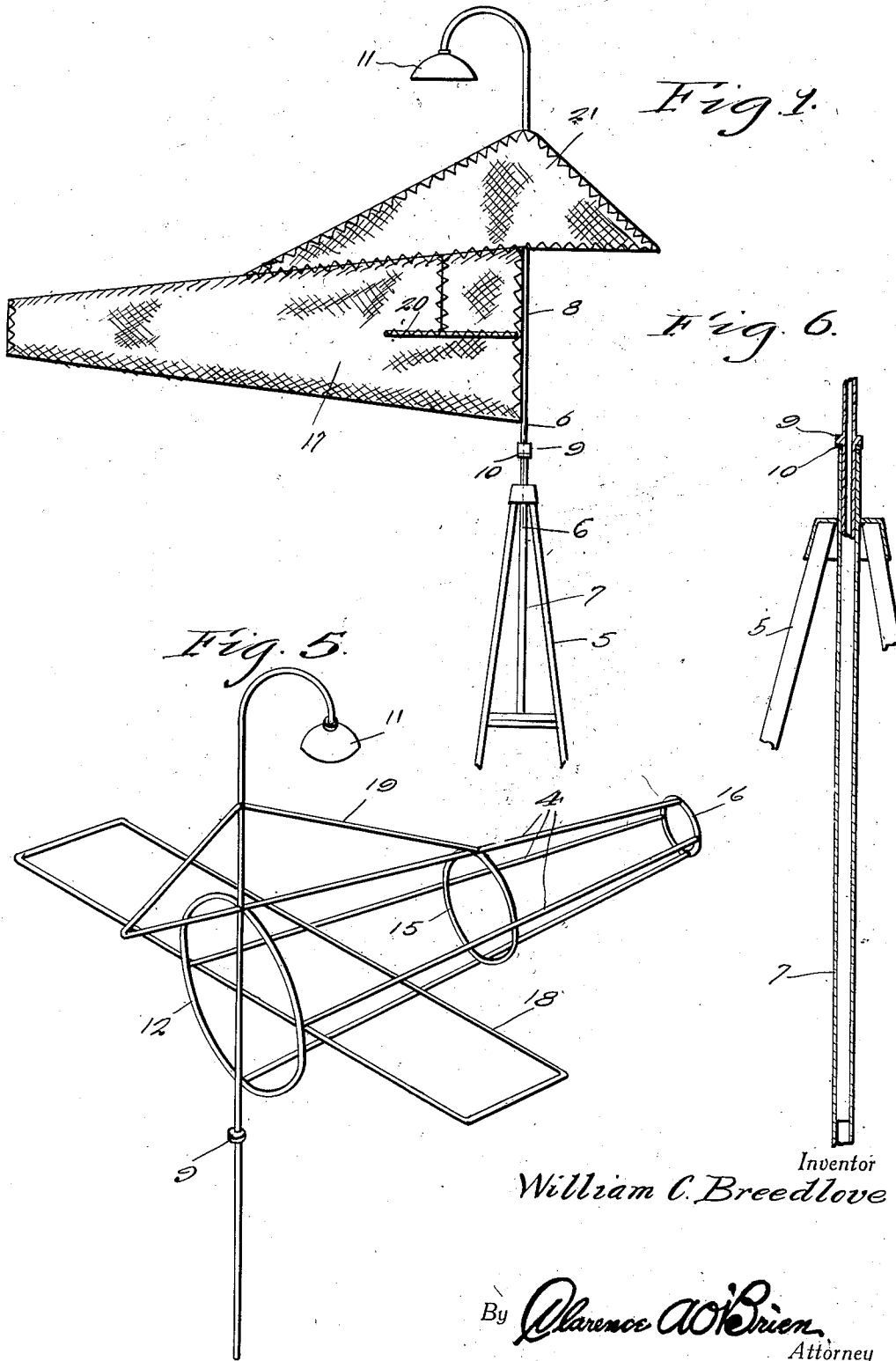
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1,742,574

T-WIND CONE

Filed April 19, 1929

2 Sheets-Sheet 1



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*Fig. 2.*

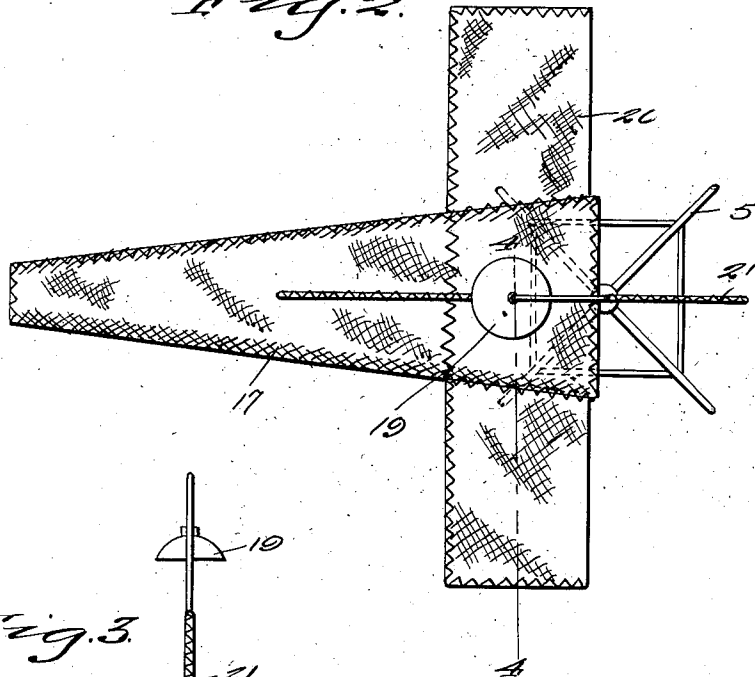


*Fig. 3.*

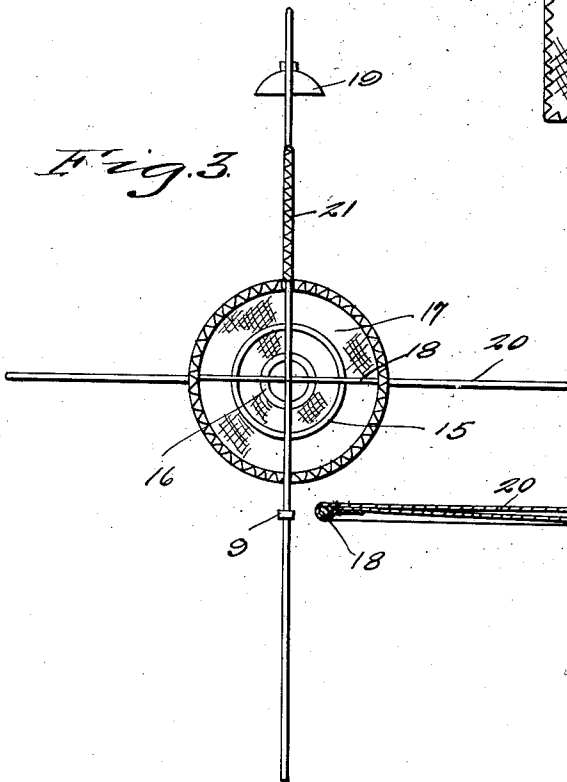
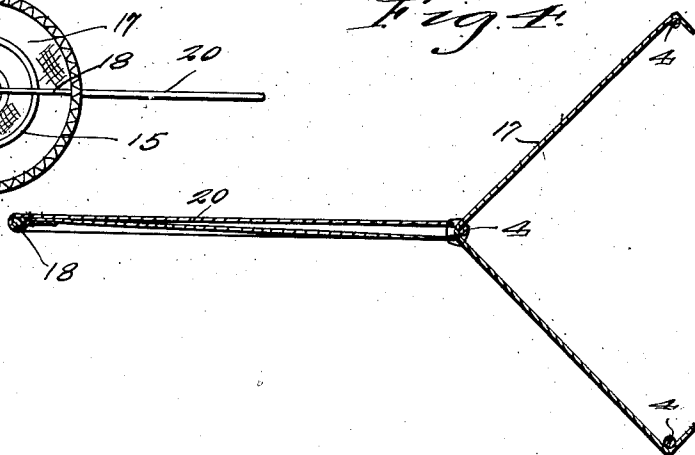


*Fig. 4.*



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## UNITED STATES PATENT OFFICE

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## T-WIND CONE

Application filed April 19, 1929. Serial No. 356,443.

The present invention relates to a wind cone for an aviation field and has for its prime object to provide a device of this nature which will indicate the direction in which the wind is blowing and may be easily read from a distance overhead by aviators.

Another very important and somewhat specific object of the invention resides in the provision of a wind cone of this nature which gives the appearance of a letter T from the air thereby enabling the aviator to readily ascertain the direction of the wind at the landing field.

A further very important object of the invention resides in the provision of a device of this nature which is exceedingly simple in its construction, inexpensive in its manufacture, strong and durable, thoroughly efficient and reliable in use, and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawing:

Figure 1 is a side elevation of the wind cone embodying the features of my invention,

Figure 2 is a top plan view thereof,

Figure 3 is a front view thereof.

Figure 4 is a sectional view therethrough taken substantially on the line 4—4 of Figure 2,

Figure 5 is a perspective view of the device with the covering removed, and

Figure 6 is an enlarged detail section taken substantially on the line 6—6 of Figure 1.

Referring to the drawing in detail it will be seen that the numeral 5 denotes the stand preferably in the form of a tripod including a vertical tube 7.

A vertical hollow bar 8 extends into the tube 7 and has a shoulder intermediate its ends as at 9 to rest on the upper edge of the tube and an anti-friction washer or the like 10 may be interposed between the upper edge of the tube and the shoulder. The upper extremity of the bar 8 is curved to one side and downwardly and a shade 11 is mounted on the ex-

tremity so that an electric light may be mounted in the shade and wires thereto arranged through the hollow bar.

A ring 12 is fixed to the bar and a plurality of rods 14 are fixed to the ring 12 and converge in the same direction toward each other and are fixed to other small rings 15 and 16 to form a cone skeleton covered by suitable fabric 17. A rectangular frame 18 passes through the skeleton core immediately adjacent the ring 12.

A frame 19 is disposed in a vertical plane above the cone. Fabric 20 is mounted on the frame 18 to the sides of the cone and fabric 21 is mounted on the frame 19. This frame 19 is shaped to have an apex coincident with a point in the bar 8 and projects beyond the larger end of the cone.

The fabric 17, 20 and 21 may be of the well known grade A linen and may be assembled by suitable lacing, sewing or in any other economical and sufficiently strong manner. The light in the shade 7 will shine on the cone as will be apparent.

From Figure 2 it will be seen that this device gives the appearance of a T to the aviator overhead and he easily knows the proper direction of the wind regardless as to how light the wind may be blowing at the time. It will be seen that the structure is simple, may be constructed at a low cost and yet be strong and durable.

The present embodiment of the invention, however, has been disclosed merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

1. A device of the class described including a cone, means for pivotally mounting the larger end of the cone on a vertical axis, and lateral wings projecting from the larger

end of the cone, a vertical wing projecting from the forward end of the cone and beyond the larger end thereof.

2. A device of the class described including a vertical bar, a ring fixed to the bar, a plurality of rods fixed to the ring and diverging toward each other, additional rings to which said rods are attached, fabric over the skeleton formed by the rings and the rods.

3. A device of the class described including a vertical bar, a ring fixed to the bar, a plurality of rods fixed to the ring and diverging toward each other, additional rings to which said rods are attached, fabric over the skeleton formed by the rings and the rods, a rectangular frame extending through the larger end of the skeleton and covered with fabric.

4. A device of the class described including a vertical bar, a ring fixed to the bar, a plurality of rods fixed to the ring and diverging toward each other, additional rings to which said rods are attached, fabric over the skeleton formed by the rings and the rods, a rectangular frame extending through the larger end of the skeleton and covered with fabric, a vertical frame formed on the skeleton thereabove, and fabric covering the vertical frame.

5. In a wind indicator of the class described, a cone, means for pivotally mounting the larger end of the cone on a vertical axis, lateral wings projecting from the larger end of the cone, a vertical wing projecting from the forward end of the cone and beyond the larger end thereof, illuminating means for the cone, and means for supporting said illuminating means above the cone to shine down on the cone.

In testimony whereof I affix my signature.

WILLIAM CLENT BREEDLOVE

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