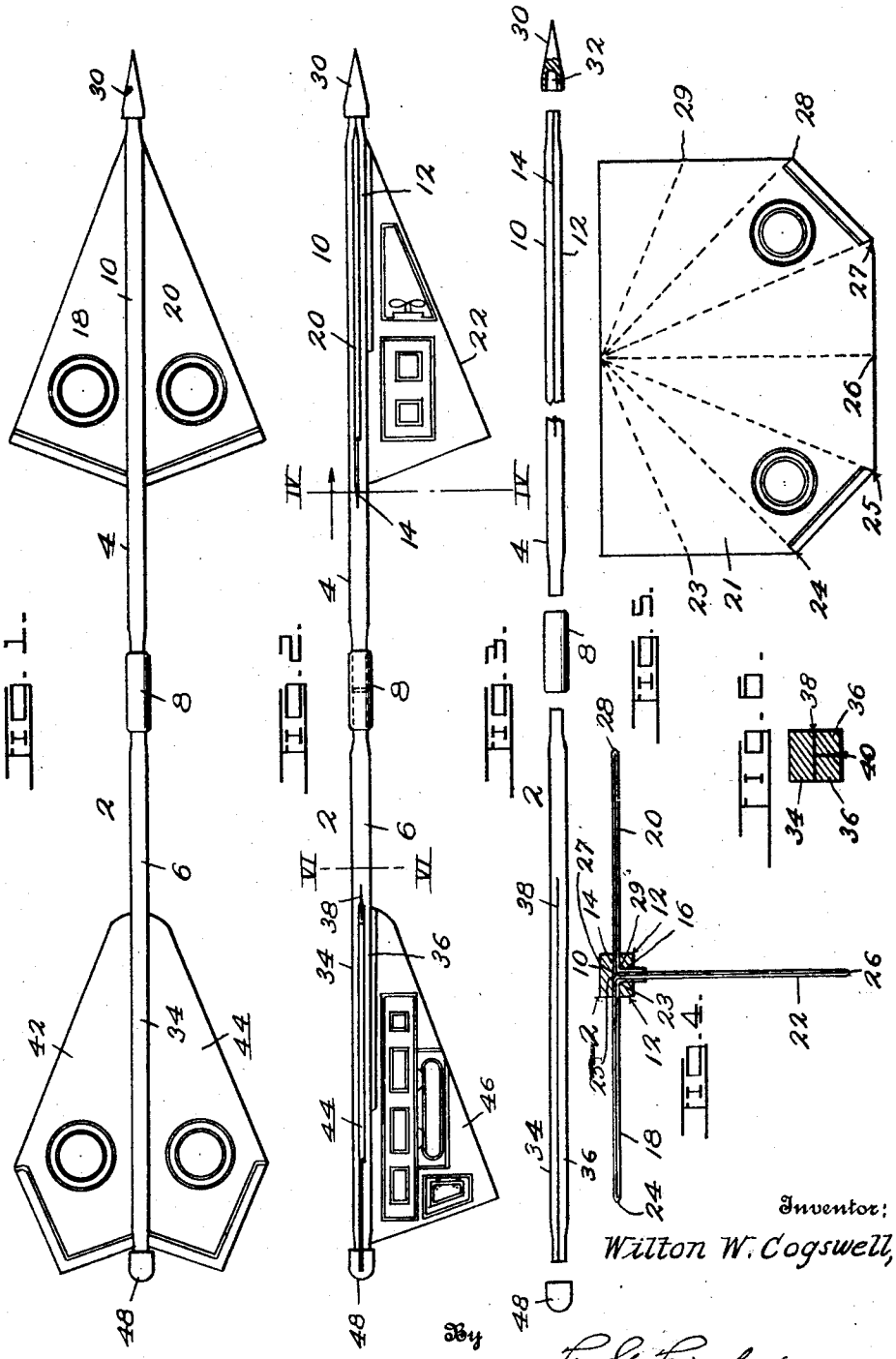
Jan. 5, 1926. 1,568,319

W. W. COGSWELL

TOY AEROPLANE

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UNITED STATES PATENT OFFICE.

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TOY AEROPLANE.

Application filed December 1, 1924. Serial No. 753,223.

To all whom it may concern:

Be it known that I, WILTON W. COGSWELL, a citizen of the United States, residing at Colorado Springs, in the county of El Paso and State of Colorado, have invented certain new and useful Improvements in Toy Aeroplanes, of which the following is a specification.

My invention relates to toy aeroplanes and one object is to provide a device of this character from which considerable amusement may be derived from throwing said device into the air to see how far it will travel before descending to earth.

A further object is to provide a toy which may be manufactured and assembled at small cost, and shipped in knockdown form in order to occupy but little space.

Other objects will hereinafter appear, and in order that the invention may be fully understood reference will now be had to the accompanying drawing, in which:

Fig. 1 is a plan view of the device.

Fig. 2 is a side elevation of the device.

Fig. 3 shows a number of the parts dissembled.

Fig. 4 is a vertical cross section on line IV—IV of Fig. 2.

Fig. 5 is a detail plan view of a blank from which a pair of the planes and associate fin are formed.

Fig. 6 is a cross section on line VI—VI of Fig. 2.

Referring now in detail to the different parts, 2 designates a shaft comprising a forward member 4, a rear member 6, and a tubular coupling 8 for holding said members 4 and 6 in axial alinement. In smaller toys the shaft 2 may be made in one piece and the coupling 8 dispensed with.

The forward member 4 of the shaft 2 is divided throughout the greater portion of its length into an upper section 10 and two lower sections 12 by longitudinal communicating slits 14 and 16, respectively, which extend through the front end of the member 4 to receive a sustaining surface in the form of a pair of wings 18 and 20, and a stabilizer in the form of a depending fin 22. The wings 18 and 20 and the fin 22 are formed from a single blank 21 of stiff paper or other suitable material disclosed by Fig. 5. As shown by Figs. 4 and 5, the blank 21 is folded at 23, 24, 25, 26, 27, 28 and 29 to lend rigidity to the wings 18 and 20 and the fin 22. The longitudinal margins of the wings 18 and 20 and the fin 22 slope to a point at their forward ends and said wings and fin are firmly held in place by the sections 10 and 12, which in turn are clamped together at their forward terminals by a bumper 30 consisting preferably of rubber and having a socket 32 in its rear portion to receive the forward terminals of said sections 10 and 12.

The rear member 6 of the shaft 2, like the forward member 4, is divided into three sections 34 and 36 by longitudinally communicating slits 38 and 40, respectively, which extend through the rear end of the member 6 to receive sustaining and stabilizing surfaces arranged in tandem with the wings 18 and 20 and the fin 22. The rear sustaining and stabilizing surfaces are made from a single blank somewhat similar to the blank 21 and folded in the same manner to provide a pair of wings 42 and 44 and a fin 46, which are firmly held in position by the sections 34 and 36, the ends of which are clamped together by a close fitting cap 48, consisting preferably of rubber. The longitudinal margins of the wings 42 and 44 and the stabilizer 46 slope forwardly to a single point, so that they, like the longitudinal margins of the wings 18 and 20 and the fin 22, will tend to split the air when the device is thrown by the operator.

The bumper 30 performs the triple function of holding the forward ends of the sections 10 and 12 together, of assisting in balancing the toy when thrown into the air, and constituting a cushion on which the toy may alight without damage thereto.

It is apparent that with the parts arranged as shown and described, said parts may be readily assembled for use or dissembled for shipment in knockdown form; and while I have shown and described the preferred construction, combination and arrangement of parts, I reserve the right to make such changes in the construction, combination and arrangement of parts as properly fall within the spirit and scope of the invention as claimed.

Having thus described my invention, what I claim and desire to secure by Letters Patent, is:

1. A device of the character described consisting of a shaft divided by longitudinal slits into a plurality of sections, wings fit-

ting into one of said slits and held in place by said sections, a fin fitting into one of said slits and held in place by two of said sections and the wings, and a resilient bumper securing the free ends of the sections together.

2. A device of the character described consisting of a shaft made in two parts, a coupling detachably connecting said parts, planes arranged in tandem on said shaft, and fins depending from said planes.

In testimony whereof I affix my signature.

WILTON W. COGSWELL