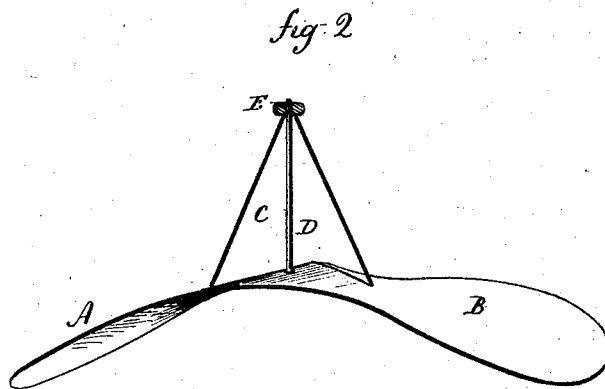
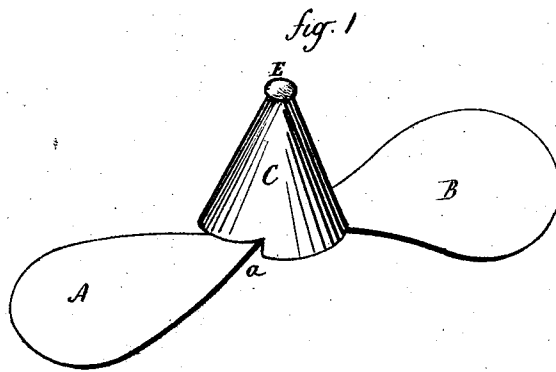


J. GLAHN.
Flying Targets.

No. 152,101.

Patented June 16, 1874.



Witnesses

J. H. Chumway
A. J. Tibbitts

Jacob Glahn
Inventor

By Att'y

John E. Earle

UNITED STATES PATENT OFFICE.

JACOB GLAHN, OF MERIDEN, CONNECTICUT, ASSIGNOR TO HIMSELF AND
HOBART C. HULL, OF SAME PLACE.

IMPROVEMENT IN FLYING TARGETS.

Specification forming part of Letters Patent No. **152,101**, dated June 16, 1874; application filed
May 19, 1874.

To all whom it may concern:

Be it known that I, JACOB GLAHN, of Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Sportsman's Gyro-Bird; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view; and in Fig. 2, a central section.

This invention relates to an improvement in the device known as "sportsman's gyro"—that is, the device which is thrown into the air by giving to it a sudden rapid rotary motion, and which serves as a mark for shooting, instead of live pigeons.

These are usually made from a plate of thin sheet metal, twisted to give the required spiral form, and painted or otherwise coated, so that the shot striking upon the surface will leave a mark; but, in practice, there is so great a liability to deface the surface from other causes than shot, that it is frequently difficult to determine whether the gyro has been hit by shot or whether the defacing arose from other causes. Again, the necessary thinness of the metal offers but a slight mark for the sportsman to aim at, and it is often impossible for the sportsman at the score to find it.

The object of this invention is to avoid this difficulty; and it consists in combining with the spiral or plate portion of the gyro a detachable axial center-piece or body, which may be easily removed and replaced by another, and upon which the shot must strike.

A B are the two wings of the gyro, of the usual form. Upon the upper center I place a conical or other shaped tip, C, the axis of which is in line with the axis of the wings, and secure it to the wings by an axial bolt, D, which binds the two together. On the lower edge of the tip I form a notch, *a*, to sit over the edge of the wings to prevent the tip from turning. The nut E allows the tip to be easily removed or replaced. The shot striking this tip leaves an unmistakable mark, and when so marked the tip may be removed and replaced by a fresh one.

The tip may be of a softer material, as paper, leather, wood, &c., so as to be indented or perforated by the shot. Its conical form facilitates the passage of the gyro through the air.

I claim as my invention—

A gyro-bird consisting of the sheet-metal wings A B, provided with the removable tip or body C, in axial line with said wings, substantially as and for the purpose specified.

JACOB GLAHN.

Witnesses:

S. O. CHURCH,
E. A. MERRIMAN.