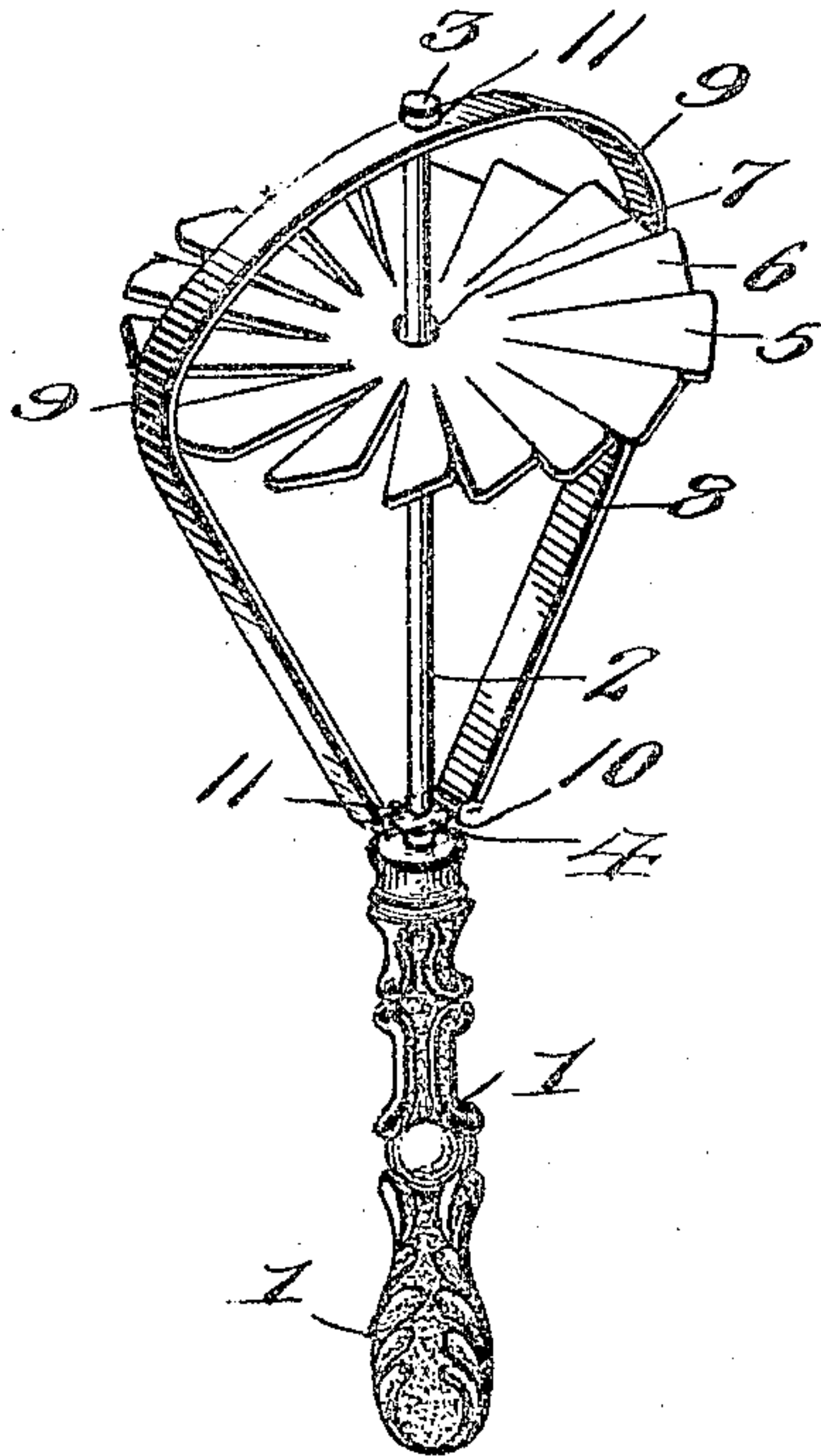


No. 798,533.

PATENTED AUG. 29, 1905.

C. M. SHAILER.
TOY.

APPLICATION FILED APR. 5, 1905.



Witnesses

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CHARLES M. SHAILER, OF MILFORD, CONNECTICUT.

TOY.

No. 798,533.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES M. SHAILER, a citizen of the United States, residing at Milford, in the county of New Haven and State of Connecticut, have invented new and useful Improvements in Toys; of which the following is a specification.

The invention relates to an improvement in toys, comprehending specifically the novel spinning toy designed to provide amusement and instruction in use.

The main object of the invention is the provision of a spinning toy or top designed to be held in the hand or any other support and operated by being rapidly forced through the air or blown upon, as may be preferred.

The invention in its preferred form will be described in the following specification, reference being had particularly to the accompanying drawing, which represents a perspective view of my improved toy.

The improved toy comprises a handle portion 1, which may be plain or of any suitable ornamentation. 2 represents a pivot-rod projecting from the end of the handle and terminally formed with a head or cap 3. Adjacent the handle the pivot-rod is provided with a bearing-plate 4, preferably convex in cross-section and centrally secured on said pivot-rod.

5 represents the spinning plate, preferably circular in plan and radially slitted to provide wings 6, which are inclined on their longitudinal axes to offset their surfaces from the normal plane of the plate. This construction provides the usual wind-wheel capable of being rapidly rotated under the influence of an air-blast impinging against said wings at approximately right angles to the plane of the plate. The plate is centrally perforated at 7 to receive the pivot-rod, said perforation being of greater diameter than the rod to prevent contact between said rod and plate during revolution of the latter. To support the plate in proper relation to the pivot-rod, I provide a frame 8, comprising a metallic strip bent into approximately triangular shape, having rounded coils 9 and a flattened apex 10. The frame is secured to the diametrically opposite wings of the plate adjacent the bends 9 in said frame, and the frame is pivotally supported on the rod 2 through the medium of openings 11, formed in the base of the

frame and in the apex thereof, the latter portion of the frame bearing upon the convex surface of the bearing-plate 4, as clearly shown in the drawing. By this construction the sole bearing-point of the spinning part of the toy is at the bearing-plate 4, the only other frictional contact of the spinning element being at the junction of the frame and pivot-rod, it being understood that the frame is so arranged as to support the plate wholly out of contact with said pivot-rod.

In use the toy is forced rapidly through the air, or a blast of air from an independent source is directed against the wings 6, with the result to rapidly revolve the plate 5 and frame 8.

If desired, the plate 5 and its wings, or either, may be similarly or differently colored or inscribed with any suitable figure or figures which under the revolution of the wheel would produce a pleasing or amusing effect.

By preference the plate and frame are constructed of extremely thin and light material, whereby the structure is rendered more sensitive in operation.

It is to be understood that the ornamental handle may be dispensed with and the pivot-rod supported from any desirable fixture or base.

Having thus described the invention, what is claimed as new is—

1. A spinning toy comprising a pivot-rod, a triangular frame rotatably supported thereon, and a wind-wheel supported by said frame, said wheel being formed with a central perforation to receive the pivot-rod, said perforation being of a size to prevent contact between the wheel and rod.

2. A spinning toy comprising a pivot-rod, a bearing-plate secured thereon, a triangular-shaped frame bearing on said plate and rotatively engaging the rod, a plate secured to said frame and surrounding the pivot-rod, said plate being formed with wings inclined from the normal plane of the plate, said frame supporting the plate out of contact with the rod.

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

CHARLES M. SHAILER.

Witnesses:

MYRA ESTELLE ROBERTS,
SUSIE R. SIMPSON.