

P. F. DEGN.
 SCREW PROPELLER FOR FLYING MACHINES.
 APPLICATION FILED MAR. 25, 1909.

934,394.

Patented Sept. 14, 1909.

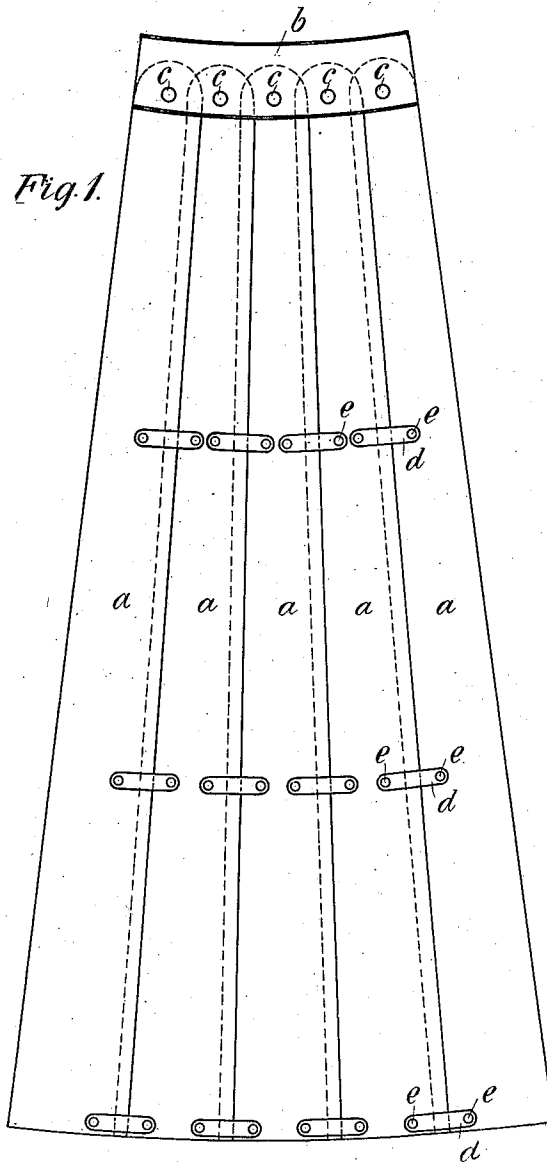


Fig. 2.

Witnesses:
 Oscar Leinweber

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UNITED STATES PATENT OFFICE.

PAUL FREDERIK DEGN, OF BREMEN, GERMANY.

SCREW-PROPELLER FOR FLYING-MACHINES.

934,394.

Specification of Letters Patent. Patented Sept. 14, 1909.

Original application filed October 6, 1908, Serial No. 456,464. Divided and this application filed March 25, 1909. Serial No. 485,722.

To all whom it may concern:

Be it known that I, PAUL F. DEGN, a citizen of Germany, residing at Bremen, Germany, have invented new and useful Improvements in Screw-Propellers for Flying-Machines, of which the following is a specification.

This invention relates to an improved screw propeller for flying machines, being a division of an application filed by me October 6, 1908, under Serial No. 456,464, and comprises more particularly a novel construction of the propeller wing.

In the accompanying drawing: Figure 1 is a plan of my improved propeller wing, and Fig. 2 a cross section thereof.

To a base or support *b*, are pivoted at *c*, the inner ends of a suitable number of sheet metal strips *a*, having overlapping edges. Adjoining strips are slidably connected to each other at suitable distances by means of transverse links *d*, that are secured to the strips by studs *e*, and extend across the joints formed by the overlapped edges.

By the construction described, great strength and rigidity is imparted to the wings, while the strips are free to adjust themselves at their fulcrums to the centrifugal force and air resistance, the necessary longitudinal movement during such adjustment being permitted by the slidable connection between the strips.

I claim:

1. In a screw propeller for flying machines, a wing comprising a base, a series of metal strips pivoted thereto, and means for slidably connecting adjoining strips.

2. In a screw propeller for flying machines, a wing comprising a base, a series of overlapping metal strips pivoted thereto, and links connecting adjoining strips.

In witness whereof I have hereunto set my hand this 12th day of March, 1909, in the presence of two subscribing witnesses.

PAUL FREDERIK DEGN.

Witnesses:

FERDINAND REICH,
FREDERICK HOYERMANN.