C. F. WILLARD.

AEROPLANE SECURING MEMBER.

APPLICATION FILED OCT. 18, 1916.

1,315,356.

Patented Sept. 9, 1919.

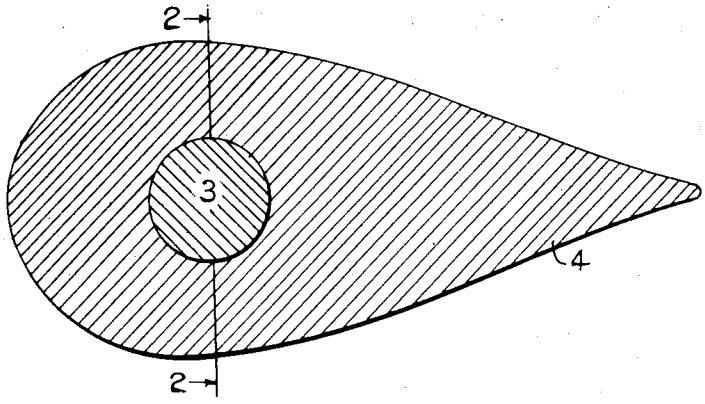


Fig. 1

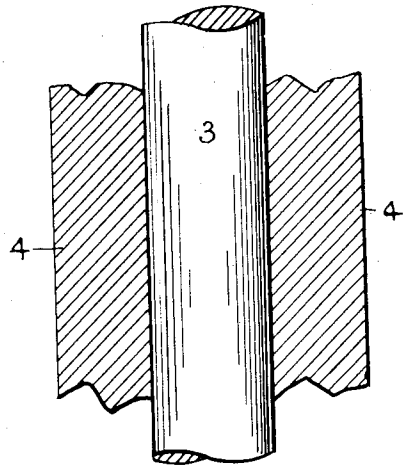


Fig. 2

Charles F. Willard Inventor

By his Attorney

Thacher & Hill.

UNITED STATES PATENT OFFICE.

CHARLES F. WILLARD, OF NEW YORK, N. Y., ASSIGNOR, BY MESNE ASSIGNMENTS, TO L-W-F ENGINEERING COMPANY, INC., OF COLLEGE POINT, LONG ISLAND, NEW YORK, A CORPORATION OF NEW YORK.

AEROPLANE-SECURING MEMBER.

1,315,356. Specification of Letters Patent. Patented Sept. 9, 1919.

Application filed October 18, 1916. Serial No. 126,282.

To all whom it may concern:

Be it known that I, CHARLES F. WILLARD, a citizen of the United States, residing at the borough of Manhattan, New York city, in the county of New York and State of New York, have invented certain new and useful Improvements in Aeroplane-Securing Members, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates to improvements in aeronautical craft and more particularly has means in combination with the guy wires, struts or the like for covering or coating the same in such a manner as to offer the least resistance to the air. The position of the stream lines of air when coming in contact with a guy wire driven sidewise rapidly therethrough in the usual manner are familiar to those versed in this art and it has been found that by covering the wire with a suitable coating such as rubber, leather or other suitable material that the efficiency of the same is increased.

In the accompanying drawings I have illustrated in Figure 1 a cross sectional detail upon a very much enlarged scale an application of my invention as applied to guy wire. Fig. 2 is a vertical cross section on the line 2—2 of Fig. 1. In said figures 3 indicates the guy wire and 4 the covering therefor which it will be observed, is rounded and thicker at the front, tapering almost to a point at the back, thus accommodating the stream lines protecting the wire and increasing the efficiency.

Of course it will be understood that various changes may be made in the construction and arrangement of parts without departing from the spirit of the invention as claimed.

I claim:—

1. In combination, a securing member for aeroplanes, and a covering therefor of rubber, said covering being substantially of stream-line cross-section.

2. In combination, a securing member for aeroplanes, and a covering therefor of rubber, said covering being substantially of stream-line cross-section, and said member being embedded in said covering.

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

CHARLES F. WILLARD.

Witnesses:
ANNA F. DUFFY,
THOMAS A. HILL.