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and give it case in lighting.

In its flight I had not observed the, to me, extreordinary length of what I have called the spindle which
ram from front to rear through the mathematical middle of the
triangular framework. This spindle was fully sixty feet long,
three-quarters of it abaft and one-quarter of it forward the
centre of the acroplanes. On the stem, as before mentioned,
were the propellers. On the tail and were four thin surfaces
about five feet long and about two feet wide, two horizontal
and two perpendicular, set like the feathers of an arrow.
These planes were further extended but were flexible and moved
sideways or up and down as a double rudder according to the
desire of the steersman.

Probably to prevent vibration, as well as for further strength, this spindle was trusped with wire, and also was firmly affixed by braces to the prismic aeroplanes. That part of the spindle inside the prism was swellen like a bulb or of terpede chape, and at its largest dismeter measured about two feet through. I could not see into it, but the driver told me that it was collular inside like a heney-comb, and contained compressed air at a pressure of about four hundred pounds. This compressed air could be supplied either from the power-houses, or, as an auxiliary, a small cylinder of liquid air could be clamped on an utilized. The driving machinery was very simple.

The forward propeller was on a solid shoft that ran right through the bulb from end to end. For about eight feet of its length, inside the bulb, some fifty sets of little flat metal chisel teeth, two inches long, projected like suc-