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these struts added both weight and resistance to the wand. So Bell made a triangular kite on the general model oi the box kite. See drawing. "A triangle is by its very nature perfectly braced in its own plane, and in a triangular-celled kite...internal bracing of any character is unnecessary....The lifting power of such a triangular cell is probably less than that of a rectangle, but the enormous gain in structural strength, together with the reduction of head resistance and weight due to the om- mission of internal bracing, counterbalances any possible deficiency in this res? pect. The horizontal surfaces are those that resist descent under the influence of gravity, and the vertical surfaces prevent it from turning over in the air." 7' l-CeU- 5?(rC6T6N) -n?TR.ftrtec'/26'> STdOrs A