

The 'Kintaplane' is so named because it has this name marked in pencil along one of its longeron sticks. From the feel of the kite it would appear to date closer to the 1950s rather than the early 1900s, although the original design must be around the latter date.



Designs for aeroplane kites of this sort can be found in *14 Aeroplanes et Cerfs-Volants* published by Librarie Aeronautique

circa 1912. It does not seem to be a Brookite although they had a *Plane Kite* which was similar and made in a number of sizes. The illustrations below come from the 1912 Gomes catalogue *Cerfs-Volants Militaires Scientifiques et Sportifs*. The Kintaplane looks suspiciously like *Le Cerf-Aeroplan*.



Notes: All dimensions in inches.

Front spar 32 1/4 x 3/8 x 1/4". Outer spar goes through buttonholes and fixes to rings
 Aft spar 32 x 3/16 x 3/16". Flexible spar connects across back to rings.
 Tail spar 17 x 3/8 x 3/8". As front spar.

All spars have slot to connect to rings. The spar ends are bound with thread to prevent splitting.
 Note: ring tapes are shown on 'wrong' side of wing for clarity. These are actually sewn to 'ground' facing side.

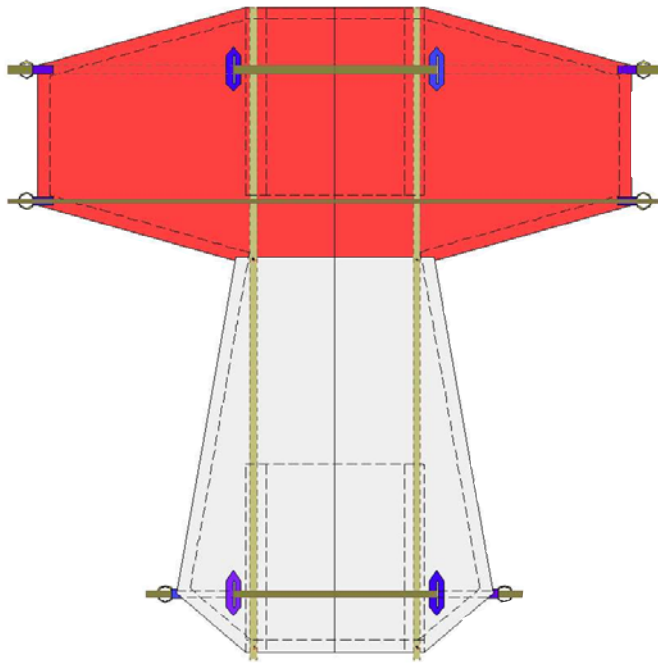
White tape edging is indicated only.
 The longerons are not pocketed between cells.

Bridle is approx. 1/16" dia
 3 ply cord. It is stitched through cell and tied around stick at front. It is double tied and knotted around stick at rear. Allow double 3" loop with overhand knot at flying point.

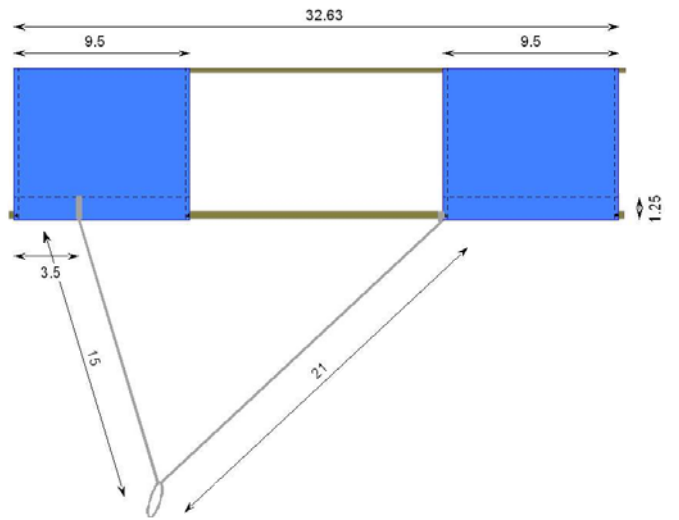
Cells are tacked to bottom stick.
 Bottom stick 33 x 3/8 x 3/16"
 Top sticks 32 5/8 x 3/8 x 3/16"

Front wing spar passes through front wing to connect with rings on wing underside. Aft wing spar does not go through wing so connects to topside.
 Tail spar is same as aft wing spar
 Cell edges are hemmed 1/4"

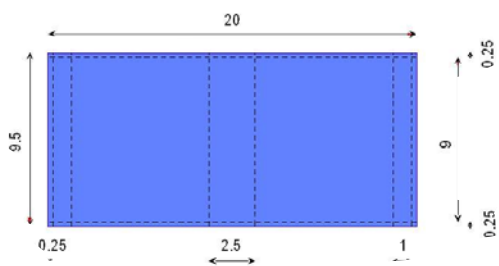
Front of front cell and aft of aft cell are each taped with 3/8" white on outside face of cell.
 Stick at bottom of V is nailed in place with tacks through hems.
 All material is lightweight 'kite muslin'. Weave is fore/aft.
 Allow extra 1/4" hem on all edges.
 Join left/right hand skins first
 Lap join Top and Bottom skins with 3/8" overlap. Tail on sky side.
 Edge tape all around with 5/8" tape (Use sail material for tape)
 Add 1 1/2" spar 'buttonholes' on sky side. These are 1/4" tape (blue) stitched on inner and outside edges.
 Add 5/8" dia ring spar connectors using tape (blue) on ground side.
 Add cells, noting that top skin/cell pocket is closed off to contain longerons. Other longeron connections are tacked.



Side View

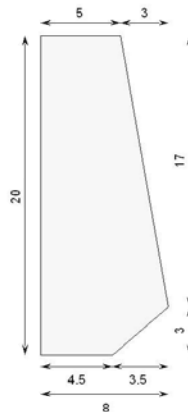


Front View

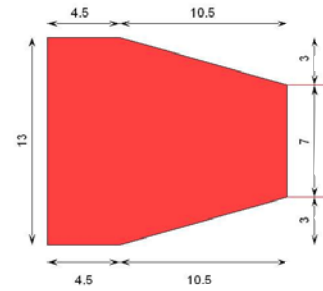


Cells (2 off)

Tail Skins (white 2 off)



Wing Skins (red 2 off)



Drawn: Paul Chapman 29th July 2008

"Kintaplane"



Detail of wing/cell junction, showing longeron and spar



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