

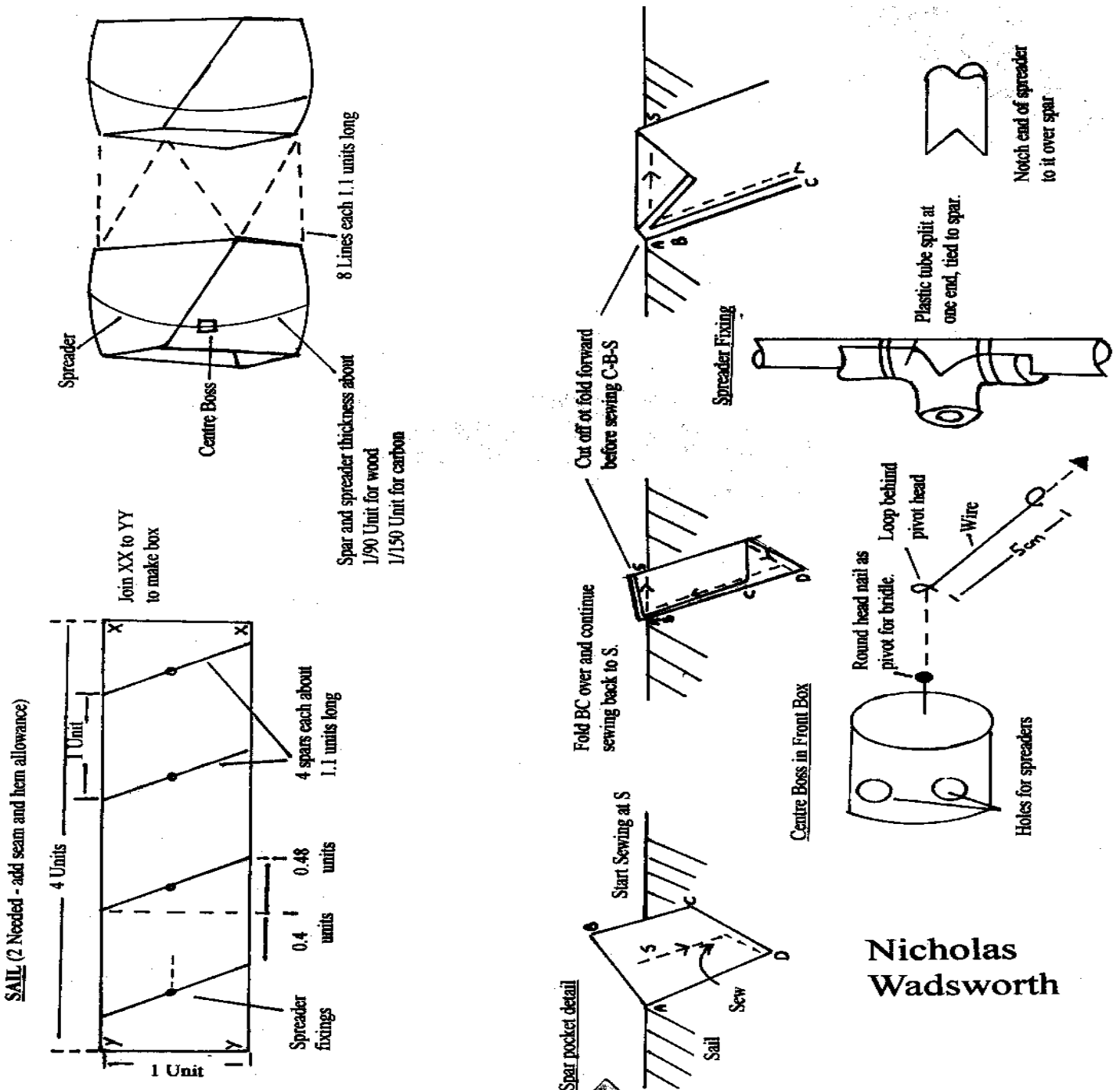


This kite is almost as simple to make as a normal box kite but it spins rapidly in the wind. It works well made of plastic sheet, green garden canes and sticky tape or of ripstop and Ramin dowel. No doubt you could use carbon fibre.

The two sails are each 1 unit by 4 units. A 30-40cm unit is quite suitable. Four spars are fixed at an angle as shown. The spreaders are attached to the spars 0.4 of the way back from the leading edge of the box. In the rear box the two spreaders run right across the diagonals of the box. In the front box there are four half length spreaders which fit into a central boss. I made the boss from a short length of wooden broom handle.

In each case as the last spreader is sprung in the box springs into shape with the spars bent and the box faces curved. (There are also some wrinkles). The length of the spreaders should be adjusted so that when in place they are slightly bowed, keeping the sail taut. Start with the spreaders 1.45 units long and shorten carefully. In the front box the spreaders should bow forward so the bridle point is not more than 0.3 units behind the leading edge.

When complete join the two boxes by 6 lines in a zig-zag from corner to corner. The kite is flown from a pivot on the central boss in the front cell. To prevent the line twisting it is tied to a stiff wire looped behind the head of the pivot..



Nicholas Wadsworth