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## Tayana 37 Bow Roller / Rocna Incompatibility Concept Solutions

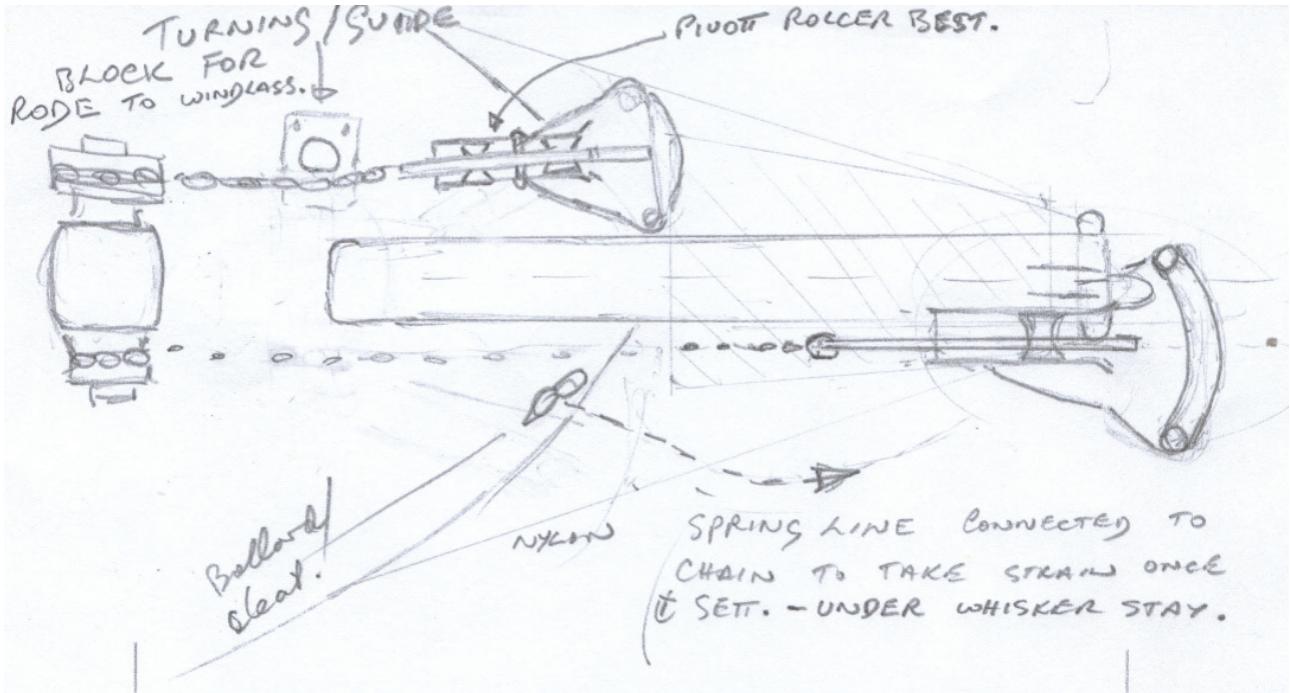
The Rocna has an additional complication with the rollbar, but the existing roller position as depicted in provided diagram is bad for any anchor type, with the whisker-stay directly underneath. A CQR, Delta, or Bruce will become fouled. The chain will also strike the stay when running.

Photo below shows the problem. This is not the default roller set-up, as this owner has had to make a custom solution even for his Delta. A Rocna would likely fit on this arrangement as shown, and would certainly fit if this system was custom built with a Rocna in mind. It is however still not ideal as the anchor can foul the bob-stay as it is lowered and raised, and the chain will also foul the bob-stay at anchor.

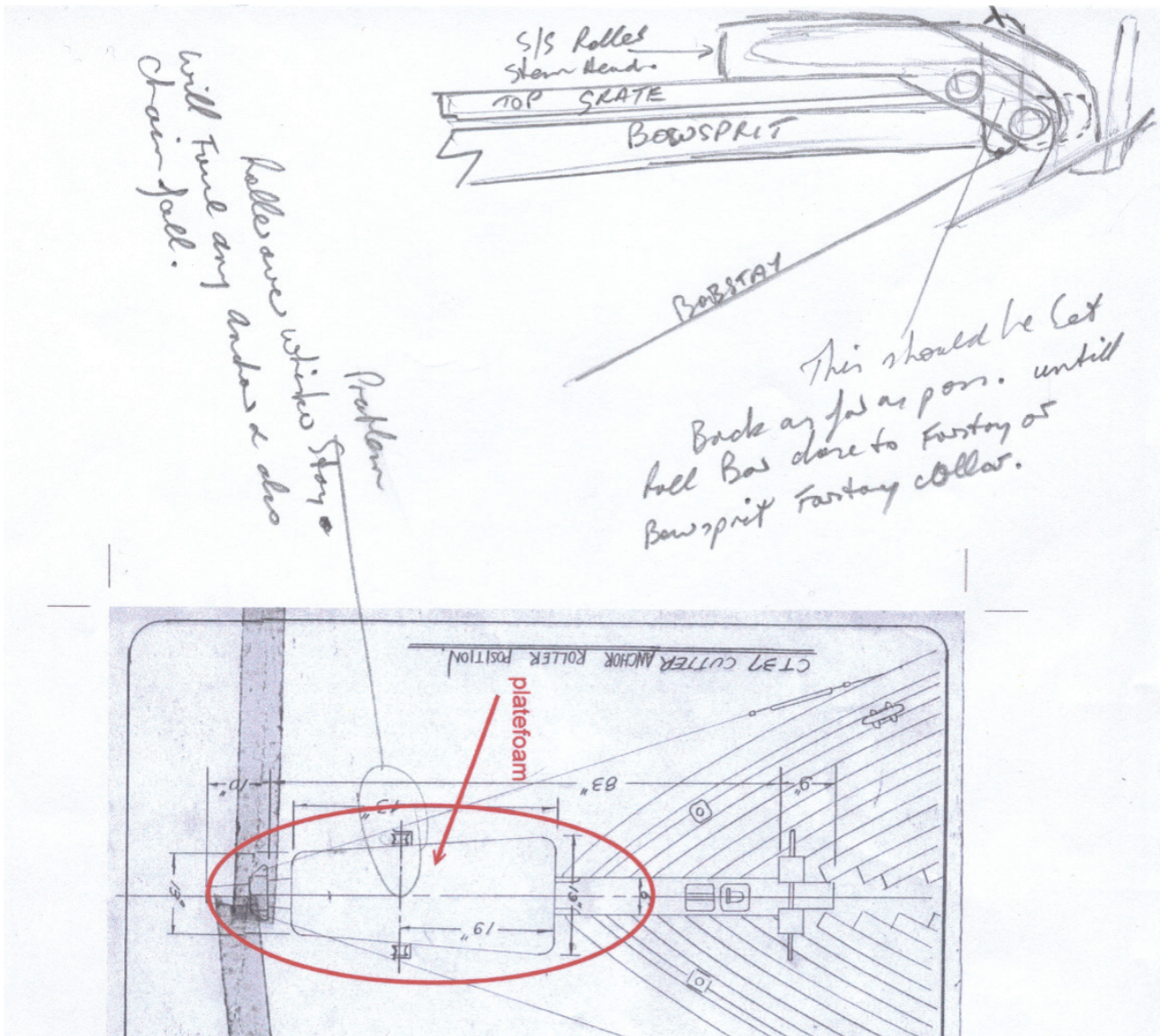


This sketch shows two possible solutions. The port side drawing is an improved version of the above photo. There is a turning guide block to accommodate the fact that the chain runs at an angle to the windlass. A pivoting dual roller system is ideal.

The starboard side drawing shows a Rocna mounted at the front of the sprit platform. This involves getting the anchor out in front of the stays. The final position should have the roll-bar just about to strike the bowsprit itself. From here it will drop off and return nicely. Caveats: 1) this position should not be used for anchoring in heavy conditions, as the strain on the platform would be undesirable (the solution to this is the spring line as drawn), and 2) leaving the anchor here on long passages or if the sprit is likely to encounter heavy water (i.e. be submerged) is inadvisable.



The second solution (starboard side) is Peter's preferred one, and is drawn again here:



To reiterate the first point, note the position of the whisker stays as pointed out by Peter above. This will be an issue with any anchor, not just a Rocna, and will need to be addressed.

After consideration of the above concepts, one Tayana 37 owner came up with the following, custom built into the boat as it was nearing completion in Taiwan:

