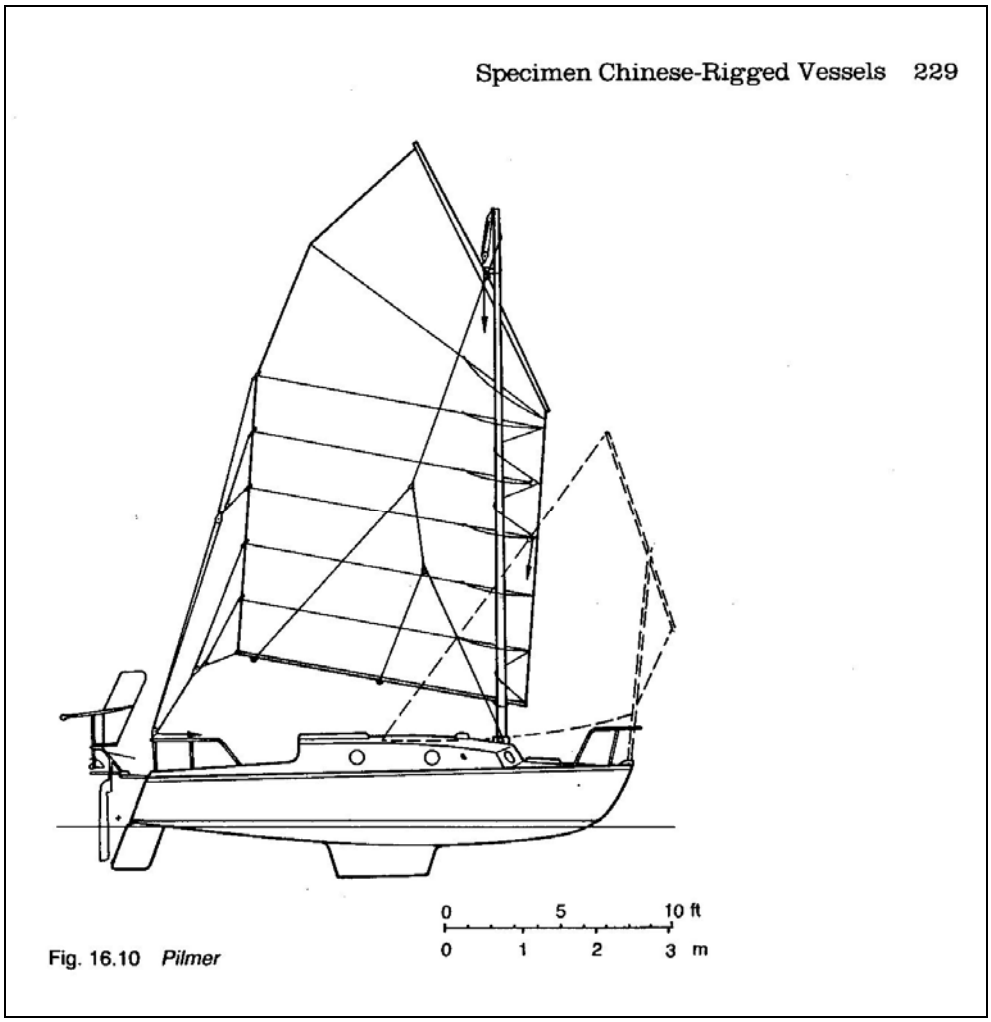
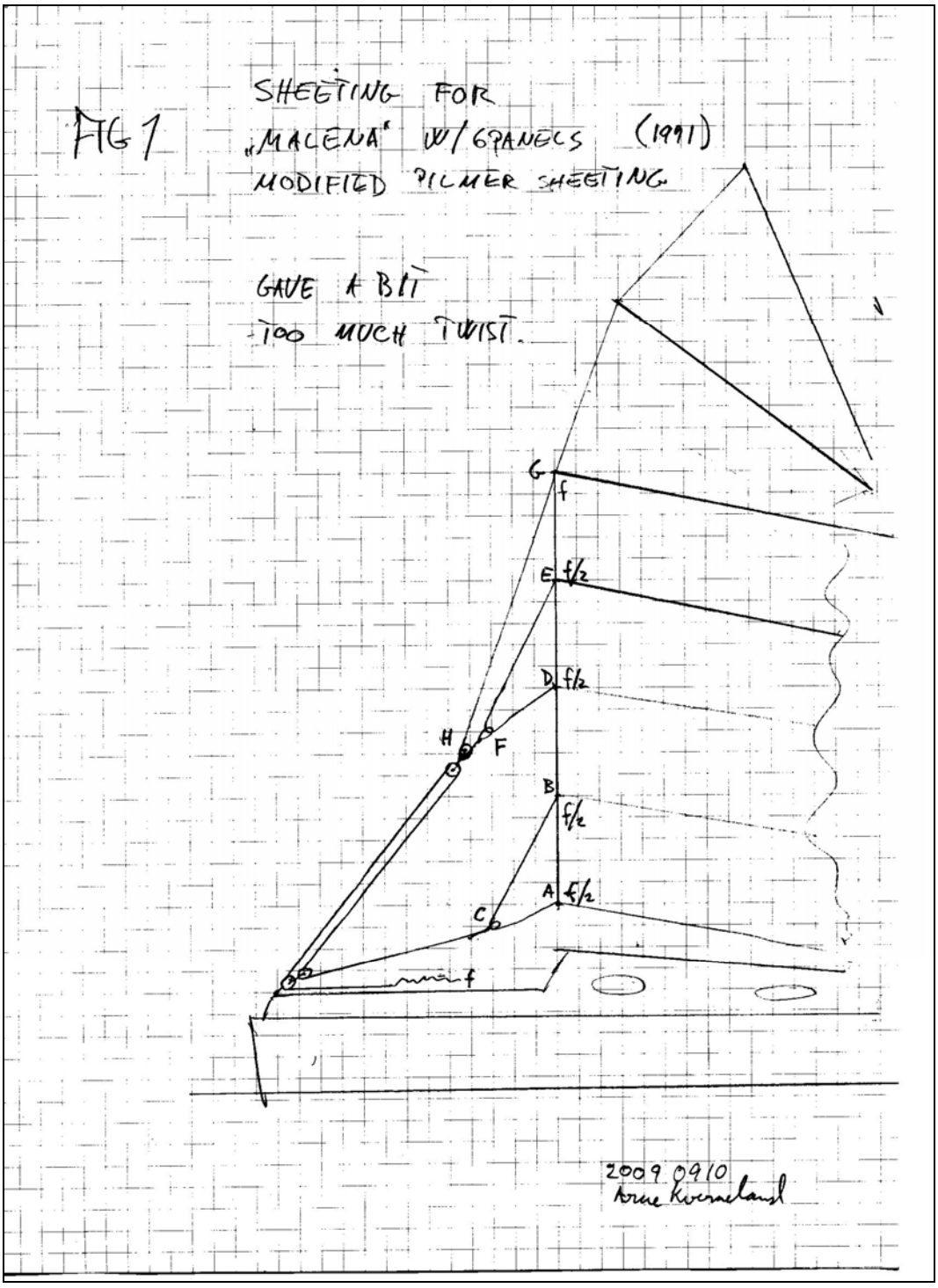
Variations of Pilmer's sheeting

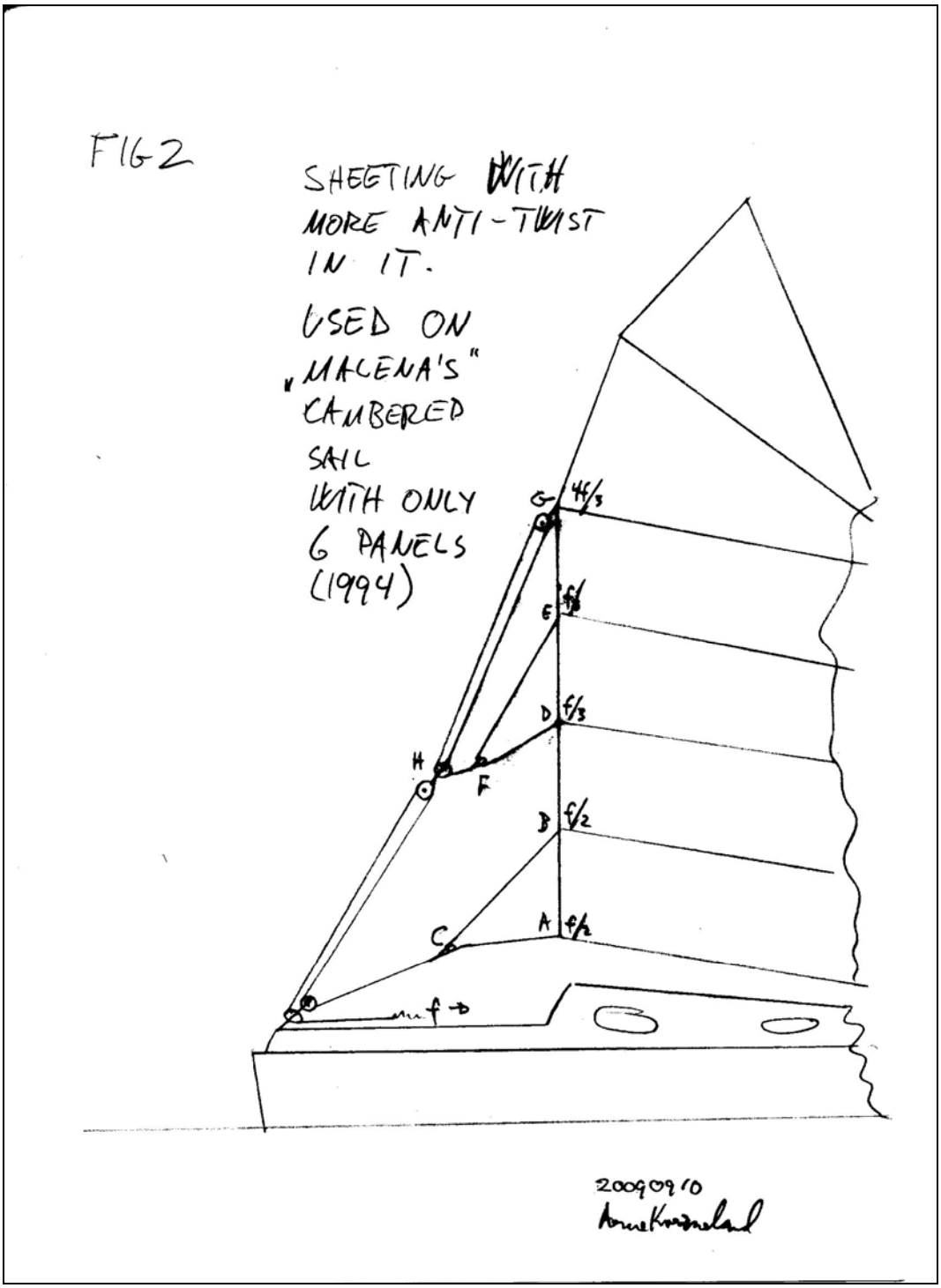
When I fitted JR for my Malena in 1990, I simply copied Pilmer's sheeting from the book Practical Junk Rig (below).



This worked quite well, although the twist was on the high side and grew worse as I reefed. When I made a new cambered panel sail in 1994 (first with only 6 panels), the problem grew worse since I had made the two top panels bigger than on my first sail.
I started with the modified Pilmer sheeting seen on FIG 1 (overleaf)

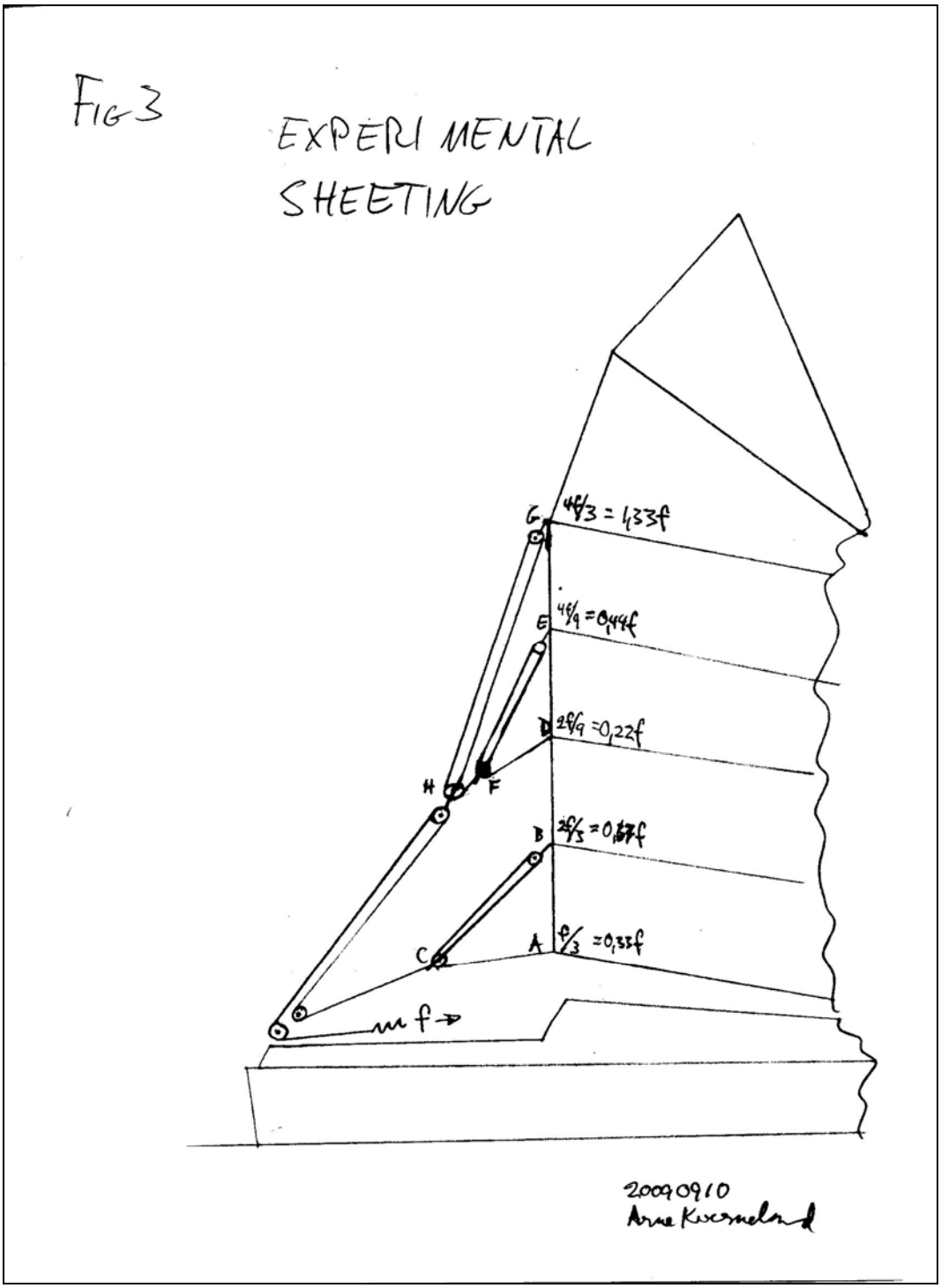


This sheeting, fitted to Malena in 1994, soon had to be abandoned due to too much twist.
See FIG 2 (overleaf)



This sheeting gave much better control and is basically still in use (as panel no 7 came in use after making a taller mast, the boom and lower 2 battens got the original Pilmer sheeting). Still, the two top panels are a bit too big on Malena, so when I rigged *Johanna* and later my dinghy *Broremann*, I modified the top section with a transition panel to reduce the size of the two top panels.

The down-side with this sheeting is that the upper sheetspan requires a longer distance between sail and sheeting point in deck (bigger D_{min}).



The sheeting on Fig 2 is good, but from time to time a kink can show up at the leech because the boom (point A) is hauled in more than the batten above (point B). On Fig 3 this problem has been addressed with a modified sheetspan, A-B-C (and also on D-E-F). I haven't tried it yet, but surely will try it soon on Broremann on A-B-C at least.

Conclusion:
With a Pilmer sail, reduced to 6 panels, I would start with the sheeting on FIG 2 and be ready to modify sheetspan A-B-C to the version on FIG 3.

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