

The Lelievlet

Scale model construction set

The Lelievlet is a steel hulled sailing, rowing, and bunking boat used by Scouts.

The length is 5.6 meters and width 1.8 meters. The mainsail is 12.15 m². And jib sheet is 4 m².

The mast is 5.6 meters long.

The Lelievlet's deck and the back are formed by two sealed air boxes, which guarantee the buoyancy.



Instructions:-

The fold lines - a dash-dot-dash line on parts – these folds should be made along fold-lines and the part formed/rounded before final gluing.

Some parts can be replaced with suitable alternative materials. For example, the mast, gaff and boom, can be created using a light bamboo skewer. The round railings can be fashioned with electrical wire. The main sail 'battons' can be made using cocktail sticks to give edge support.

Build 1

Create the basic boat shape by gluing the side panels to base of the boat and then the top side panels.

Place the deck to the boat shape and create the main body of the boat

Before we complete part 5 we need to make a small fold this will create an attachment for the threads of the fore-stay by make 3 small holes as shown in fig 1

1. This fold will be an outside fold so that the fold with 3 small holes rests on top of the joint area at the bow of the boat.

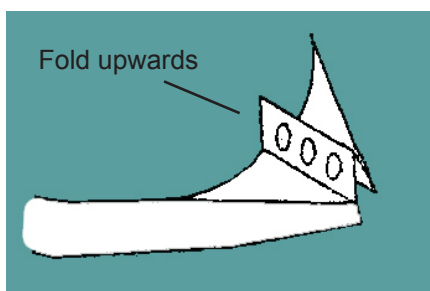


Fig 1

Build 2

Part 6 ((fig.2) is the centre board cabinet. We glue these together as shown in fig.2 to each each other.

This must be sturdy because against this will rest the mast.

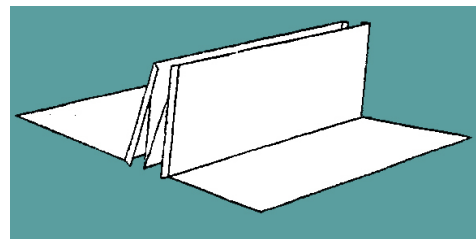


Fig 2

In Build 3, we make an opening in the bottom of the boat in which the centre board cabinet is passed through and glued into place.

BEWARE! The sloping part of the centre board case is at the rear. Also, the raised edges of the front and back of part 7, we fix. and put on the outside with the upper edges.

Build 4 is the holder for the mast, (fig.3). This is to sit at the front of the centre board case.

Fig 3

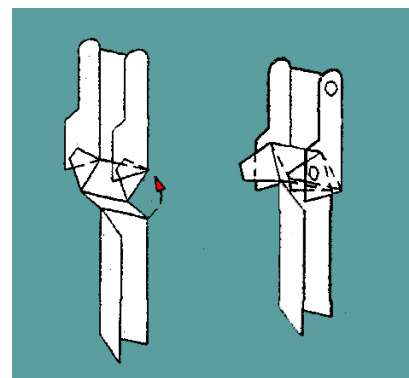


Fig 4

We make the mast from a skewer – this should be measured and marked from the paper part - for boom and wire stay positions. as shown in fig.4.

Part 9, the front seat and the rear seat part 10. For the rail sections 11, 12 and 13, we can also use electric wire.

Make sure that the two tabs, the wall from inside goes over the edge to be glued; The edge on the fore and aft, the parts 14 and 15, we can also be replaced again by electrical wire.

Then we place the parts 16, 17 and 18 again.

The parts 19 to 24 are oar forks that come against the inside of the boat. All six forks are placed and then they are cut apart.

The parts 25 to 32 have round 'eyes', we put holes in the eyes so that the thread (rigging) can pass. Part 25 to 32 are against the inner part 33 and on the bottom. under the boat, the skeg part 34. Is placed.

The rudder, (part 35), we put it the steering stick- tiller (part 36) and the flag portion (part 37) attached to it. For a stronger job it is better to put the rudder – first onto a postcard and then cut it out.

The mast (section 38) we can replace with a skewer. From the paper model we take the right length. Also determine and mark on the mast the precise location where the boom and the gaff fork should be. The mast should not be placed permanently until the boom and mainsail and lummel piece attached to the mast.

You can put a pin through the bottom of the boat into the base of the skewer to hold it more securely in position.

The mainsail, (part 39), is folding double with a thread placed at the location of the fold. We also do this with the two other angles too, so we can fix the sails to the mast and gaff easily. With section 40 we put part 41 of the boom to the mast fixed. See fig.5.

The boom we can also replace a piece of a skewer. Part 42 is glued to part 43 to create the gaff boom and fork. The gaff fork can be replaced with a small wooden fork stick). We glue the sail to the mast and boom and to the top of the sail, the gaff.

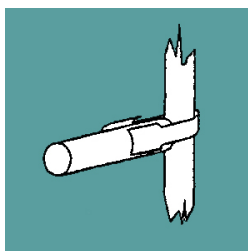


Fig 5

All rigging (threads) of the sail are attached. Also, the stay wires to hold the mast in position. We now make the fork on the end of the gaff. At the place where the wall on the mast is we create two long wires, one will run from the base of the mast to the top of the mast and attach to the gaff for hauling up the sail into position the second is to haul the jib sail into position. Arrange the threads carefully so that they don't cross and are in their right positions.

Build the model stand

The upright we make use of the parts 45 up to and including 52. The bottom plate (45), we first glue on a solid piece of cardboard. The uprights 46 and 47 are rounded and created. On upright part 46 we slide 48 at the bottom and 49 at the top. The same 50 and 51 on stand 47.

Between the posts we place the nameplate Part 52.

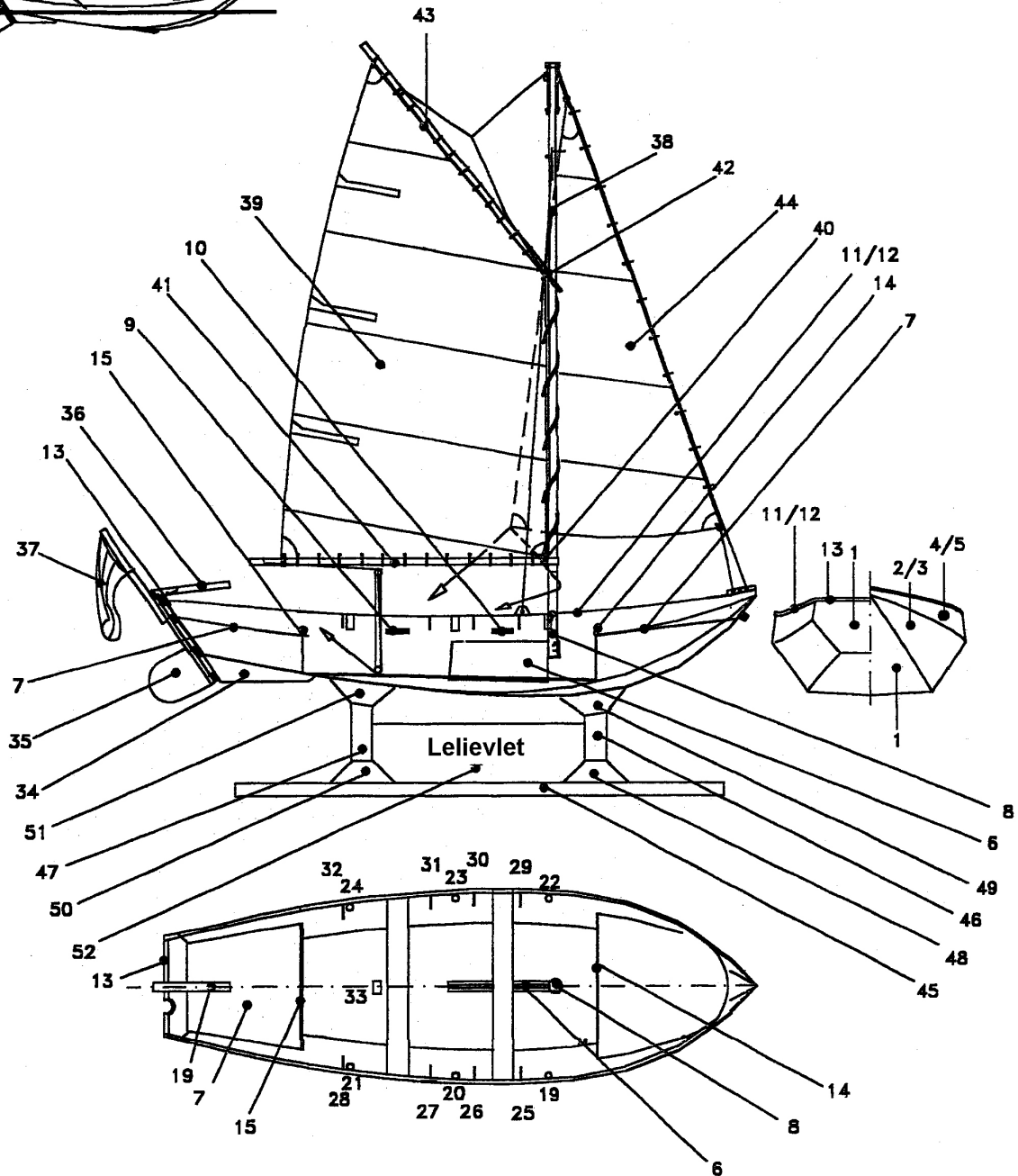
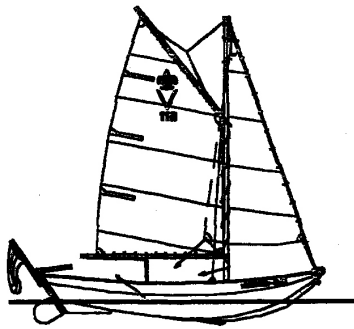
We can put the oars. Glue it first on a postcard and cut them out. Our model is complete

Part list

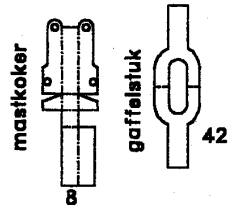
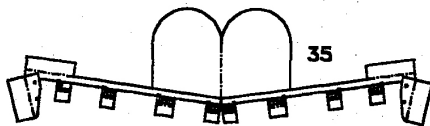
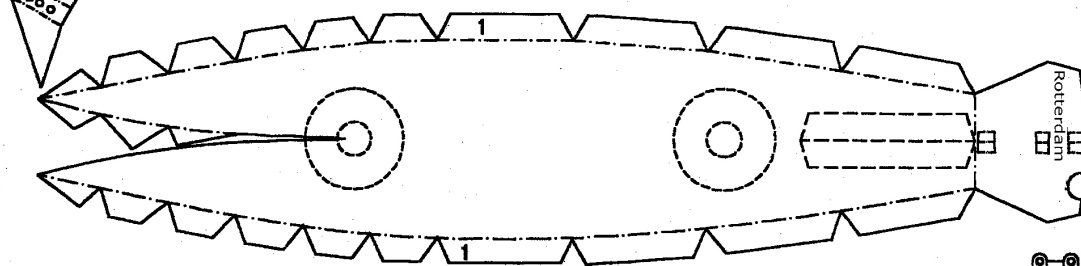
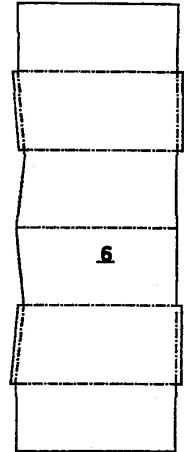
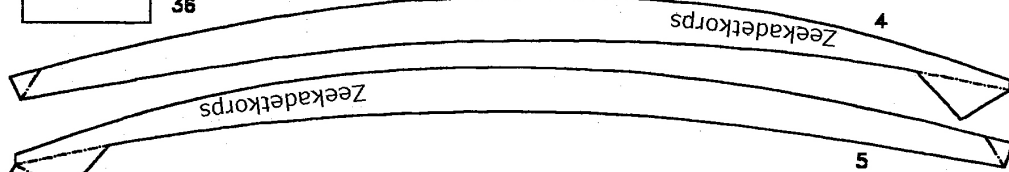
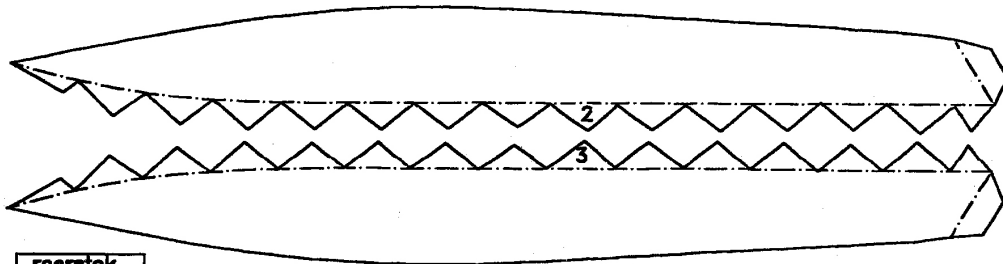
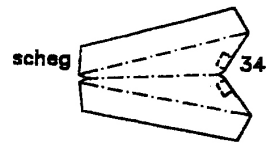
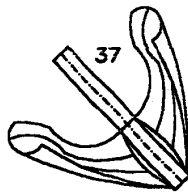
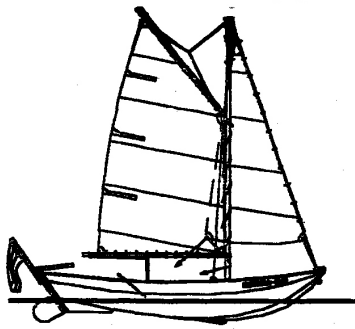
- 1 Bottom of boat
- 2 Side panel
- 3 Side panel
- 4 Top side panel
- 5 Top side panel
- 6 Centre board housing
- 7 inside of boat
- 8 Mast fixing box – allows mast to lower/drop
- 9 Stand post
- 10 Stand post
- 11 Boat edge - Gunwhale
- 12 Boat edge - Gunwhale
- 13 Back Stern - Gunwhale
- 14 Fore (bow) deck
- 15 Back (stern) deck
- 16 Oars set
- 17 Oars set
- 18 Oar set
- 19 - 24 Oar Forks
- 25 - 33 Stay wire fixings for mast
- 34 Skeg – bottom of boat
- 35 Rudder
- 36 Tiller
- 37 Flag
- 38 Mast
- 39 Main Sail
- 40 Lummel– boom to mast attachment piece
- 41 Boom
- 42 Gaff fork piece
- 43 Gaff
- 44 Fore Sail
- 45 Stand Base
- 46 Fore (bow) deck top
- 47 Back (stern) deck top
- 48 Stand collar
- 49 Stand Collar
- 50 Stand Collar
- 51 Stand Collar
- 52 Model name plate

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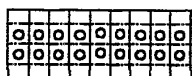
Position and location of parts



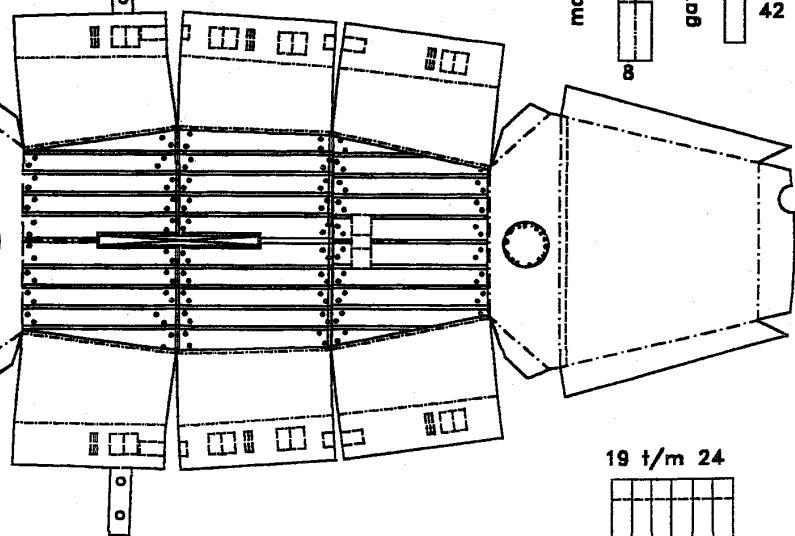
Lelievlet 1



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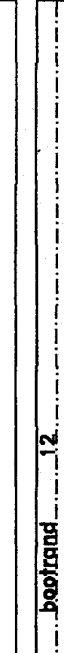
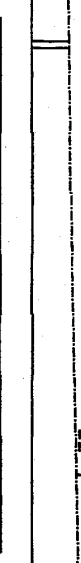
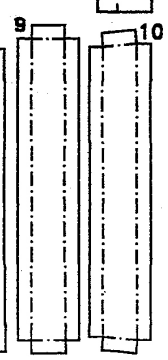
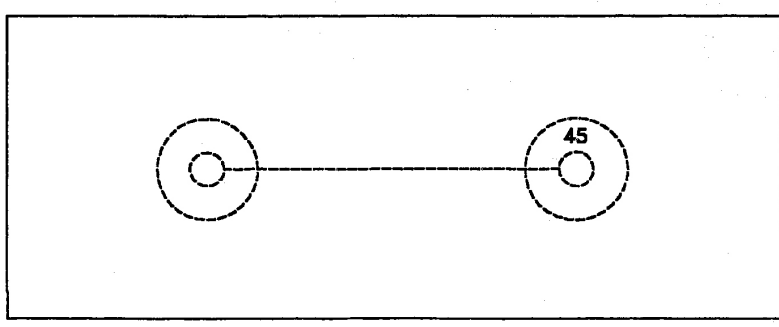
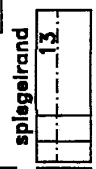
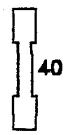
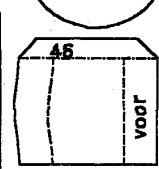
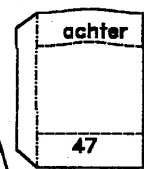
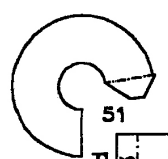
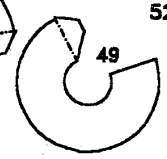
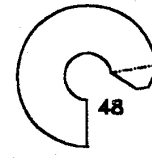
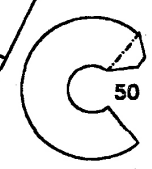
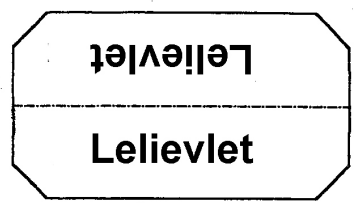
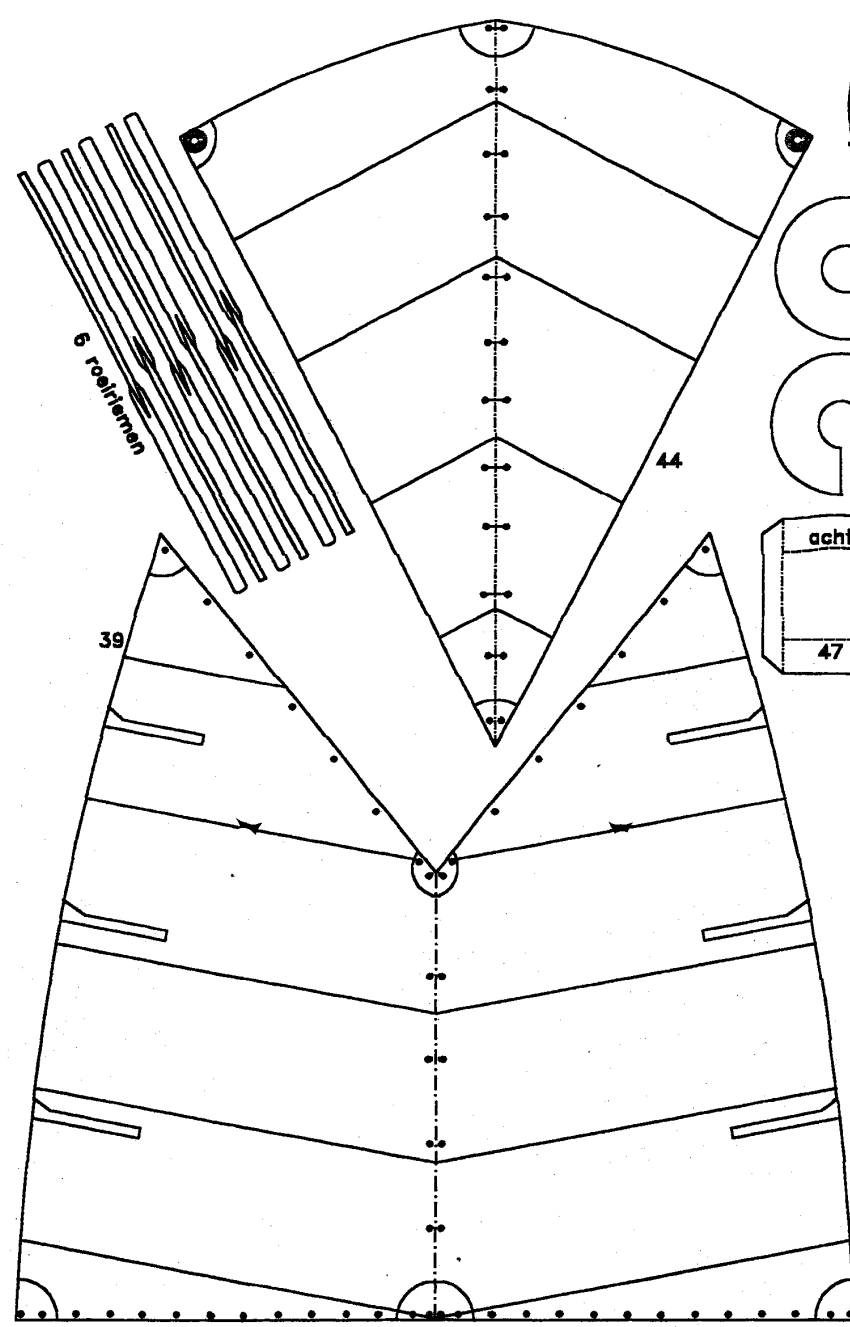
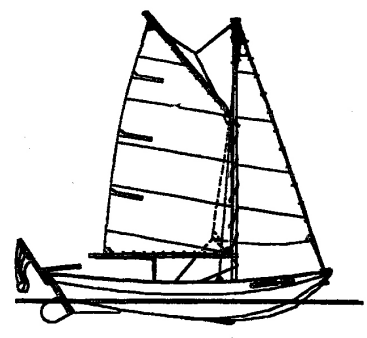
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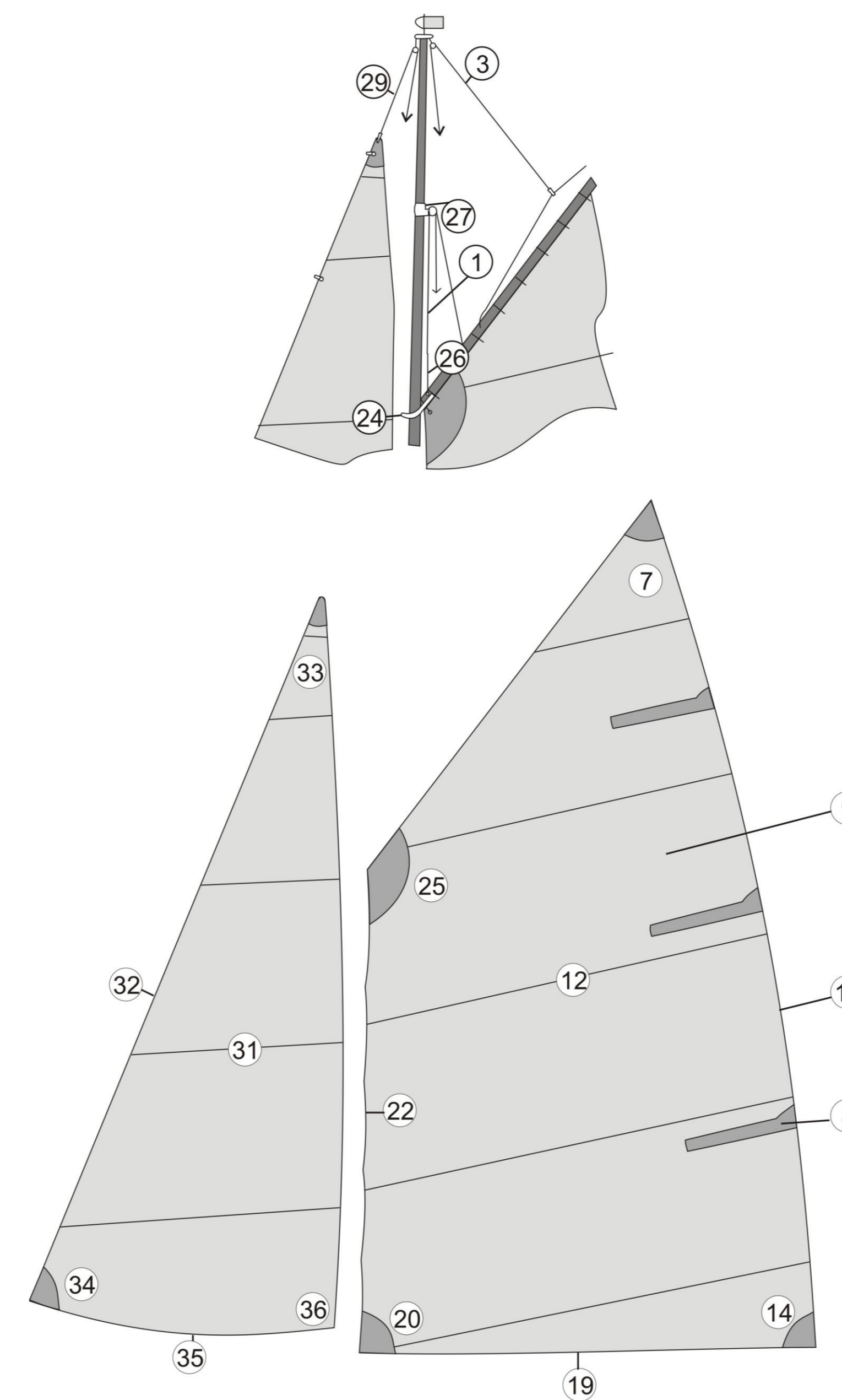
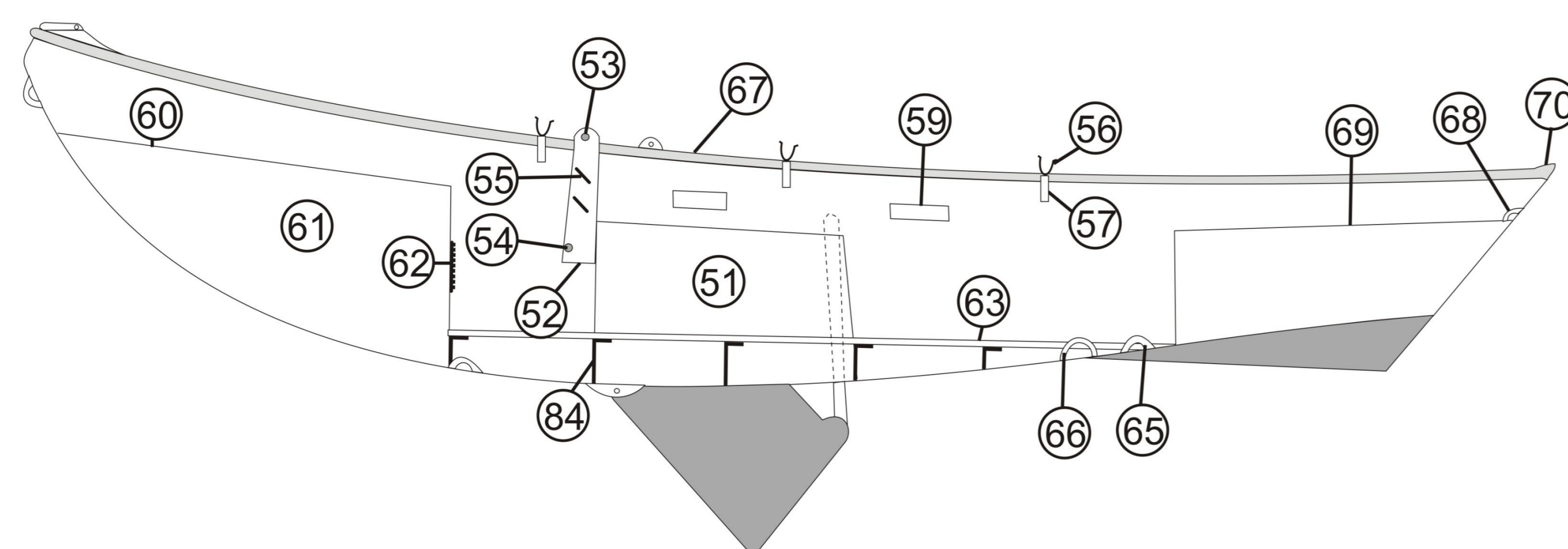
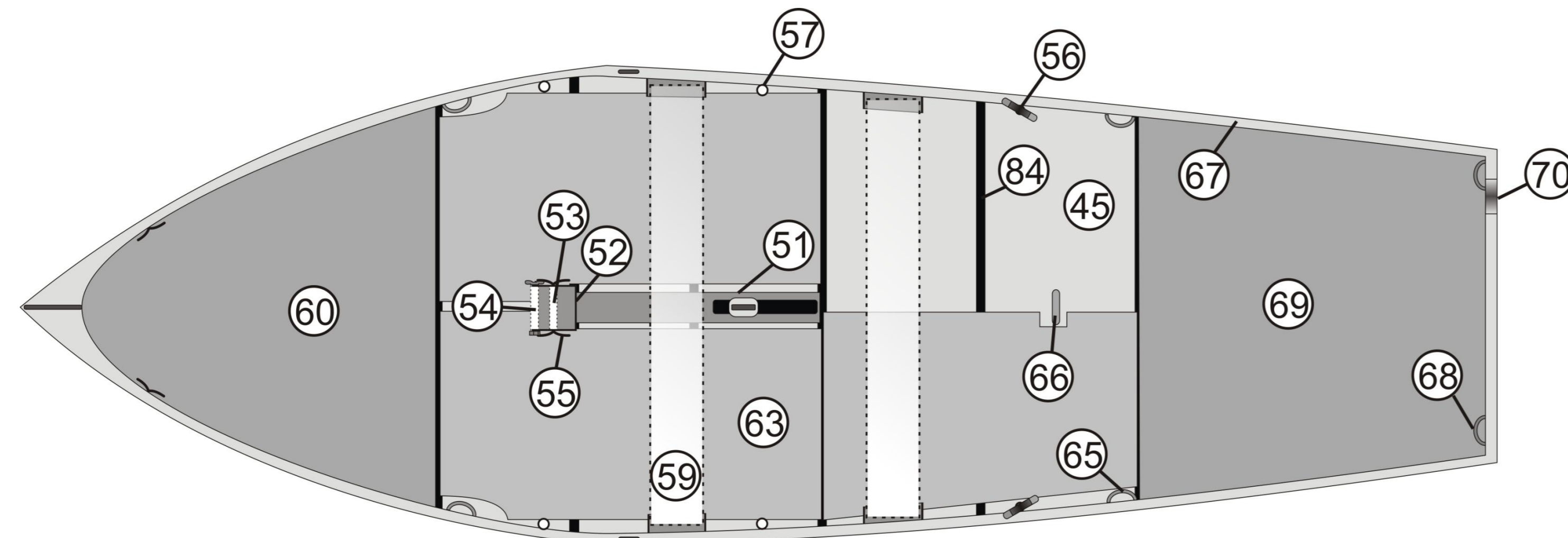
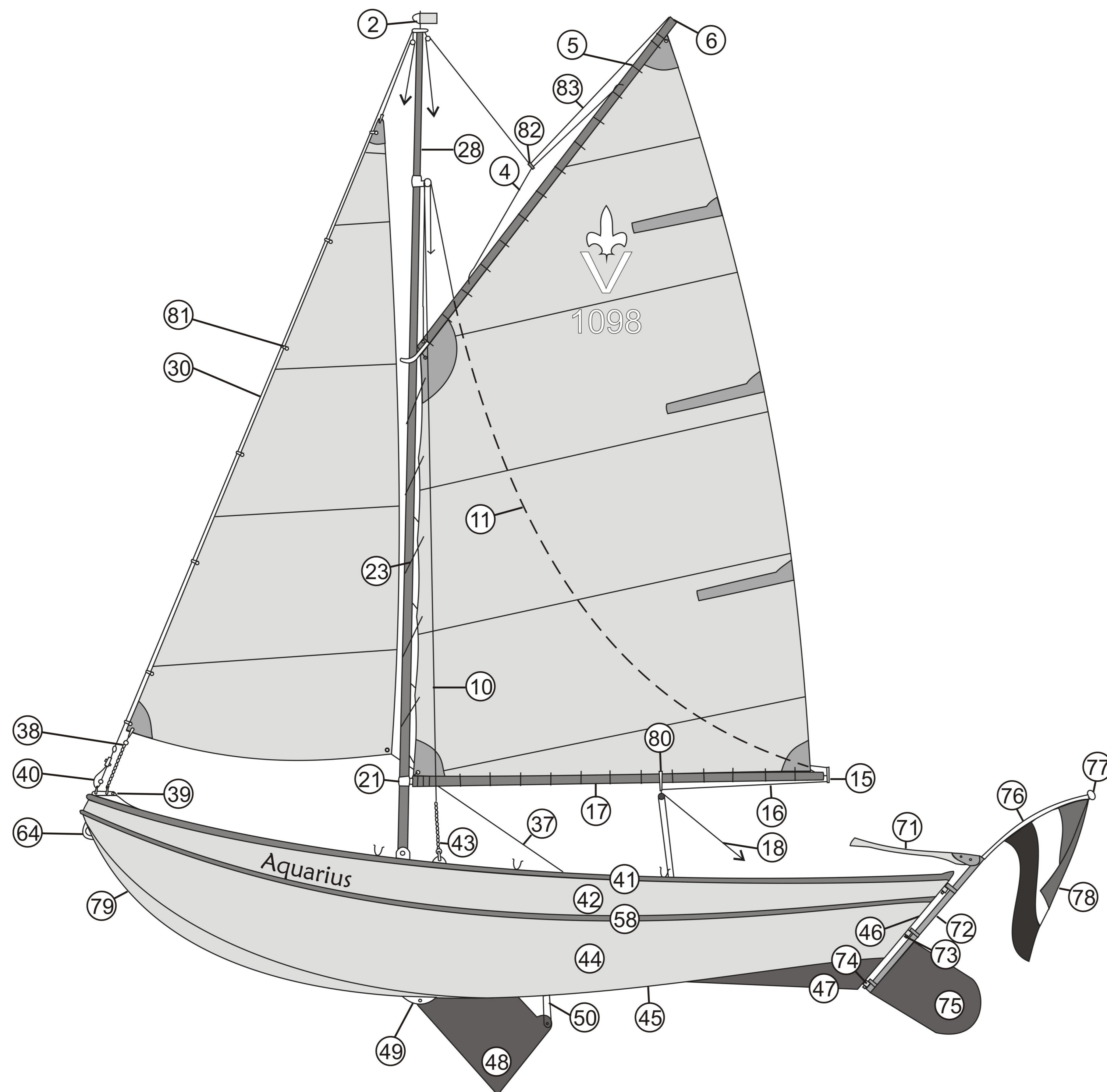
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Lelievlet 2



Lelievlet



1. Klauwval
2. Vaantje
3. Piekenval
4. Gaffeldraad
5. Marlijn
6. Gaffel
7. Tophoek
8. Zeillat (in zak)
9. Kleed
10. Bakboord want
11. Dirk / Kraanlijn
12. Grootzeil
13. Achterlijk
14. Schoothoek
15. Wervel
16. Pettenlijntje
17. Giek
18. Grootschoot
19. Onderlijk grootzeil
20. Halshoek
21. Lummelbeslag
22. Voorlijk grootzeil
23. Rijglijn
24. Klauw
25. Klauwhoek
26. Strop van de gaffel
27. Mast
28. Mast
29. Fokkenval
30. Voorstag
31. Fok
32. Voorlijk grootzeil
33. Tophoek
34. Halshoek fok
35. Onderlijk fok
36. Schoothoek fok
37. Fokkenschoot
38. Kettinkje
39. Hanenkam
40. Voorstag spanner
41. Dolboord
42. Boeisel
43. Wantketting of -spanner
44. Kim
45. Vlak
46. Spiegel
47. Scheg
48. Zwaard
49. Zwaardhout
50. Zwaardloper
51. Zwaardkast
52. Mastkoker
53. Mastbout
54. Grendelbout
55. Kikker
56. Dol
57. Dolpot
58. Berghout
59. Doft
60. Voordek
61. Luchtkast
62. Mangat
63. Buikdenning
64. Sleepoog
65. Hijsoog
66. Grootschootoog
67. Lei-oog fokkenschoot
68. Landvastoo
69. Achterdek
70. Wrikgat
71. Helmstok
72. Roerkoning
73. Roerhaken
74. Vingerlingen
75. Roerblad
76. Vlaggenstok
77. Knop
78. Vlag
79. Boeg
80. Schootring
81. Leuver
82. Hanepootloper
83. Dodemanseind
84. Spant

