

Dutch Statenjacht, 17th century

SCALE: 1/48

length: 505mm

width: 175mm

height: 500mm

HISTORY:

Statenjacht is the type of ship used since the 17th century in Holland for transportation of important government or corporate personalities. These ships feature a flat bottom, rounded bow and stern richly decorated. Cannon on board the ship were used for saluting and signaling. Ships of this type were normally from 18m to 21m long. This particular model represents a Statenjacht in the service of the Dutch East India Company (VOC-Vereenigde Oost-Indische Compagnie).

Recommended tool list:

- 1) Modeler's knife or scalpel
- 2) Mini drilling machine
- 3) Drill bits
- 4) Selection of abrasive paper
- 5) Scissors
- 6) Pliers
- 7) Clothes pegs or crocodile clips
- 8) Pencil
- 9) Rule
- 10) Set of needle files
- 11) Electric plank bender
- 12) Mini-lathe

Before you begin:

Before you begin to build the model it is necessary to study the plans and building instructions carefully. Also, please assemble in the same order as the instructions illustrate. Check if the parts go together properly before you glue and make any corrections with sandpaper.

During the gluing, painting, lacquering and at work with another chemical materials is necessary well ventilated in your working room. Don't cut the parts from the sheets until actually required for fitting. You cut by knife only in direction away from your body to avoid injury. It is recommended to use water-based white glue to gluing wooden parts and *cyanoacrylate glue* for gluing resin and brass parts.

Painting:

Medieval ships were protected against influence of salt water and woodworms by a mixture of tar and thanks to it the hull of ships was a reddish-brown or brownish-black color. This effect is possible to get by staining of the wood by dark wood stain. It is recommended to use the wood stain before gluing of the parts. The hull under water was painted by protective white coating. Decks of the ships were probably in the natural color of wood. Anchors and other metal parts should be painted black.

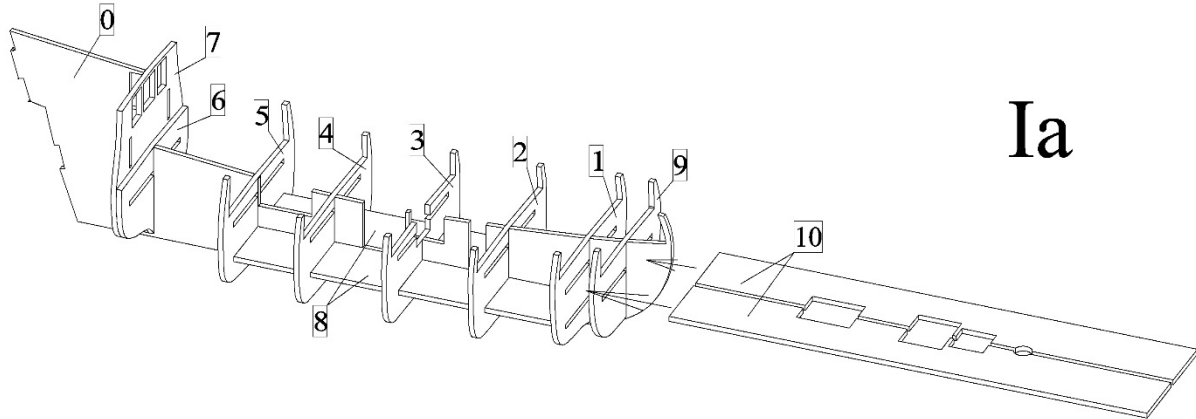
Bending of wooden strips:

The wooden strips will be more flexible if you will boil them in hot water about 10-15 minutes. You can bend the strips along any cylindrical area but ideal is using of special plank bender (it would be best to use electric plank bender). If you need to do very small radius so you must bend it in a few steps.

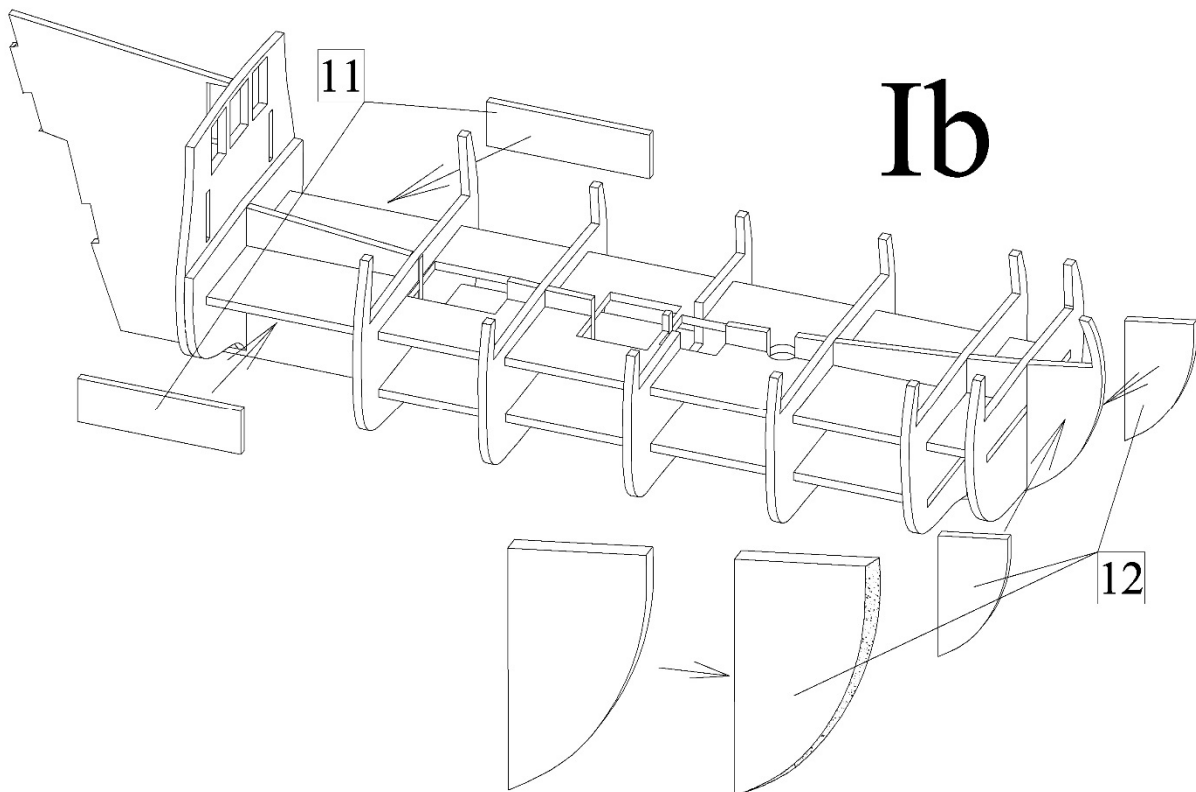
Model building process:

I) Hull:

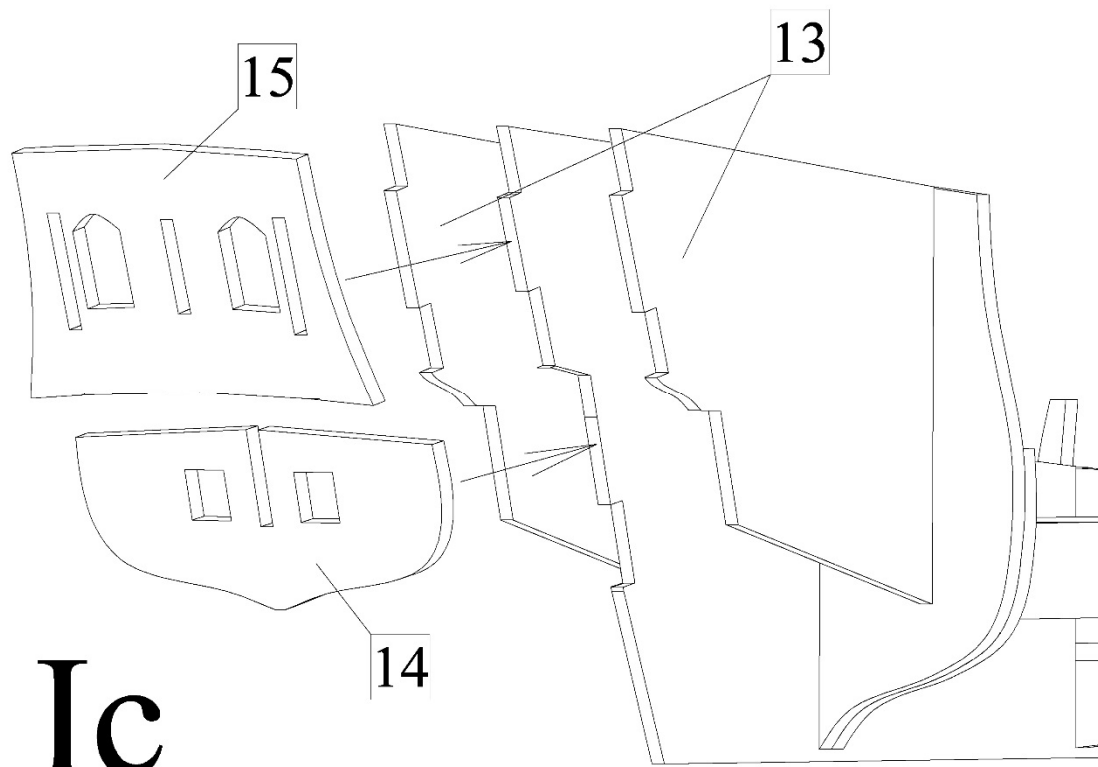
a) First insert frames 1-7 into the keel. Then insert reinforcements 8 into the frames. Then insert frame 9 into the keel and then insert the reinforcements 10 through the frames. At this moment do not glue the parts together.



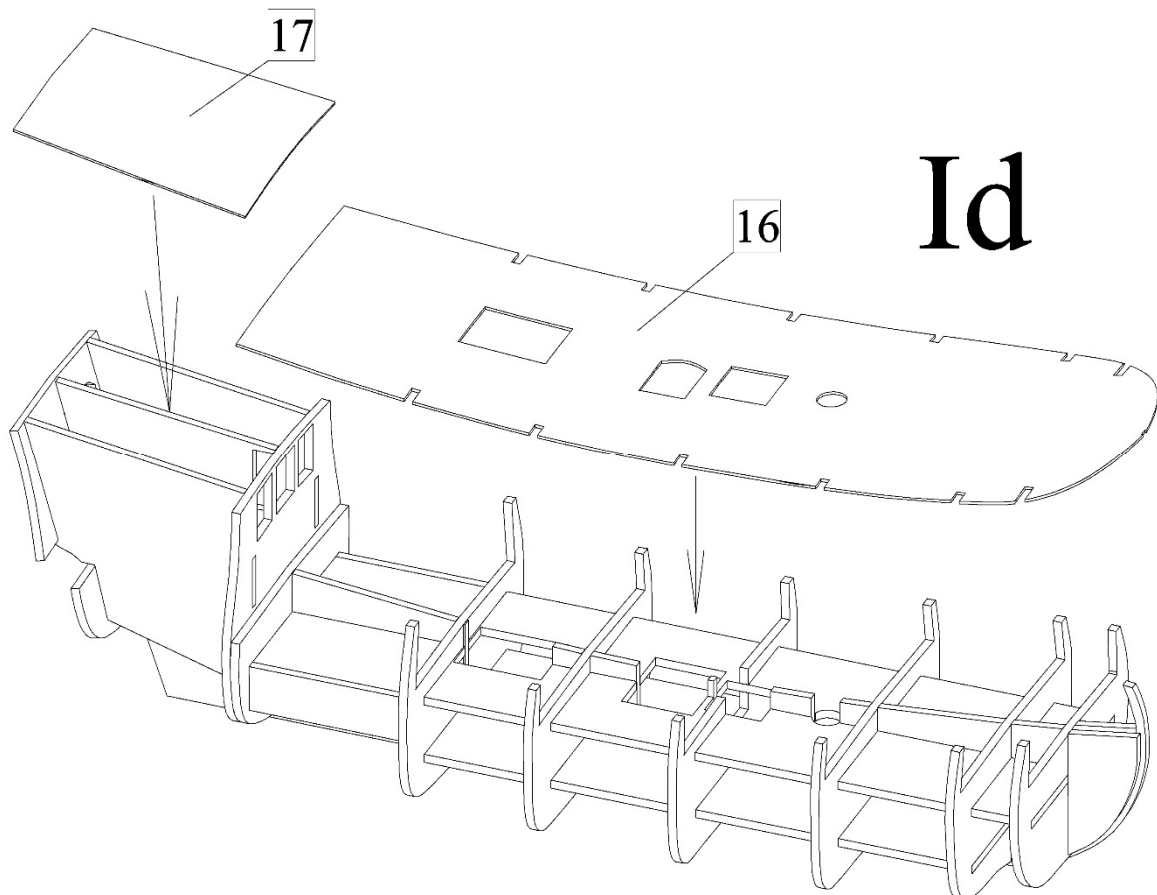
b) Glue reinforcement 11 to parts 10. Glue reinforcements 12 to the bow (first sand the edges of the parts 12 by sandpaper into rounded shape).



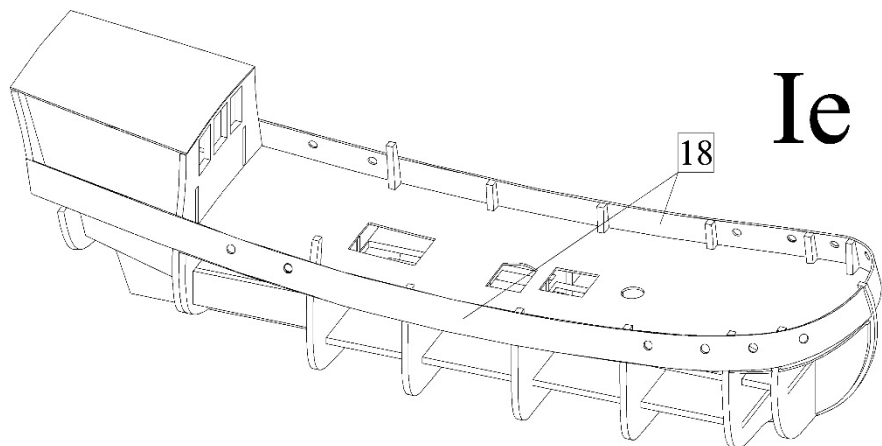
c) First glue reinforcements 13 and then glue frames 14 and 15 to them.



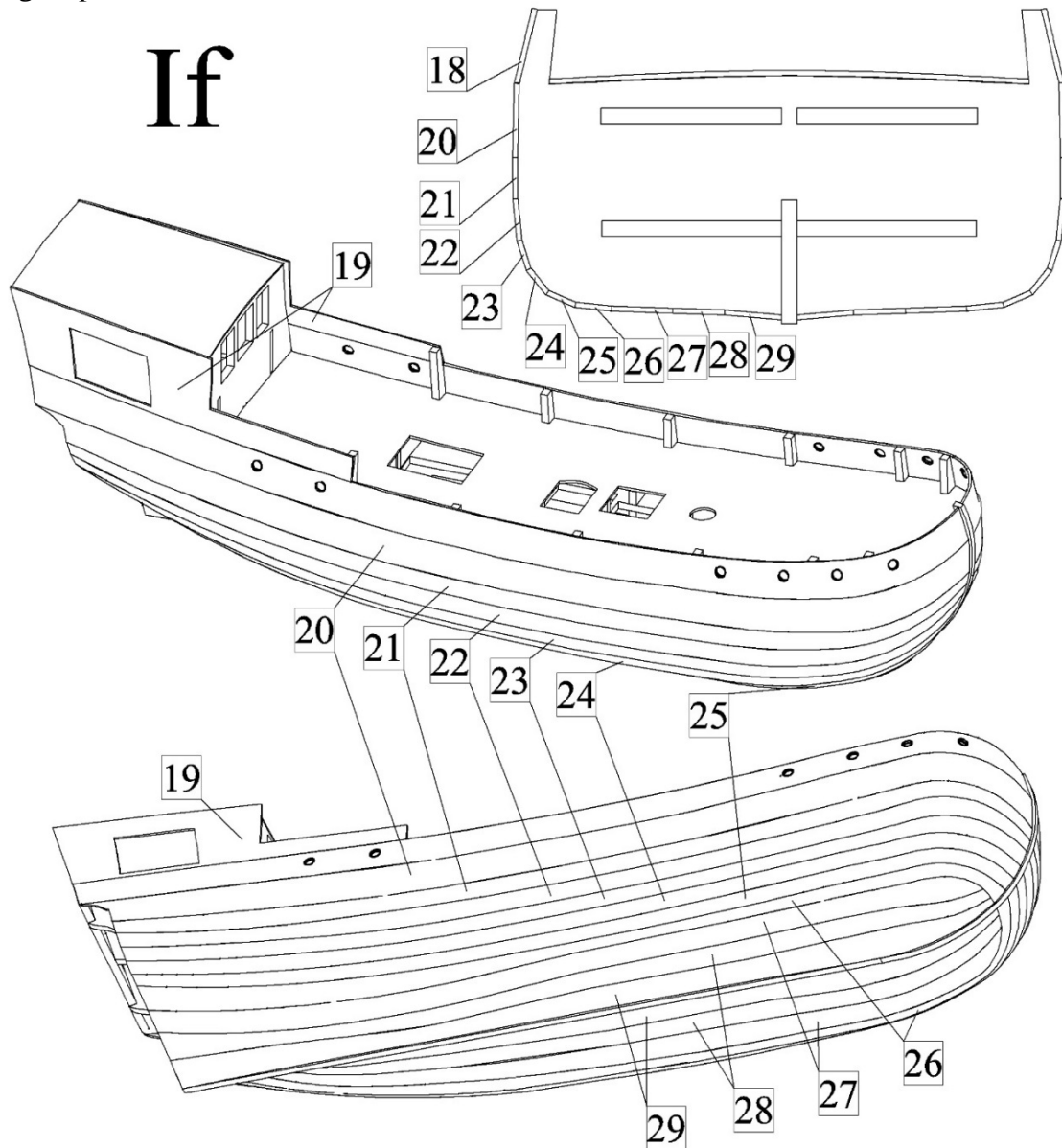
d) Glue decks 16 and 17 to the skeleton. Then glue together all the frames and reinforcements.



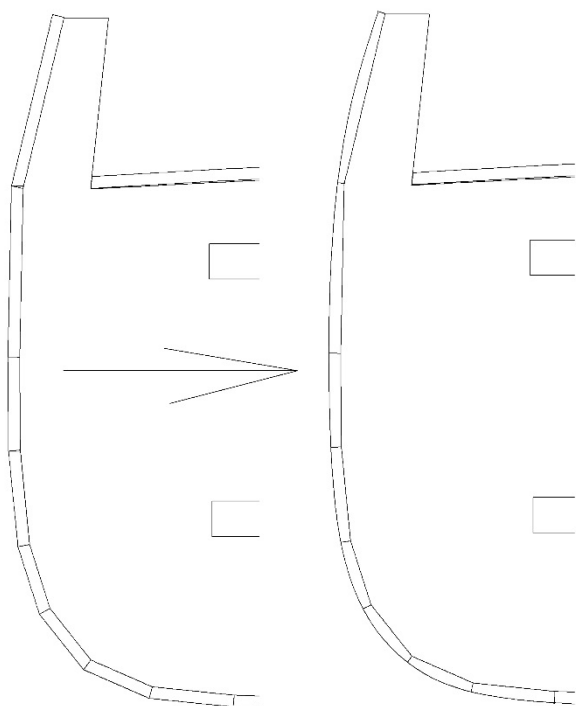
e) Glue planks 18 to the skeleton first.



f) Fair the frames with a sanding block, especially near the bow, so that the planks lay flat, and then glue planks 19-29 to the skeleton.

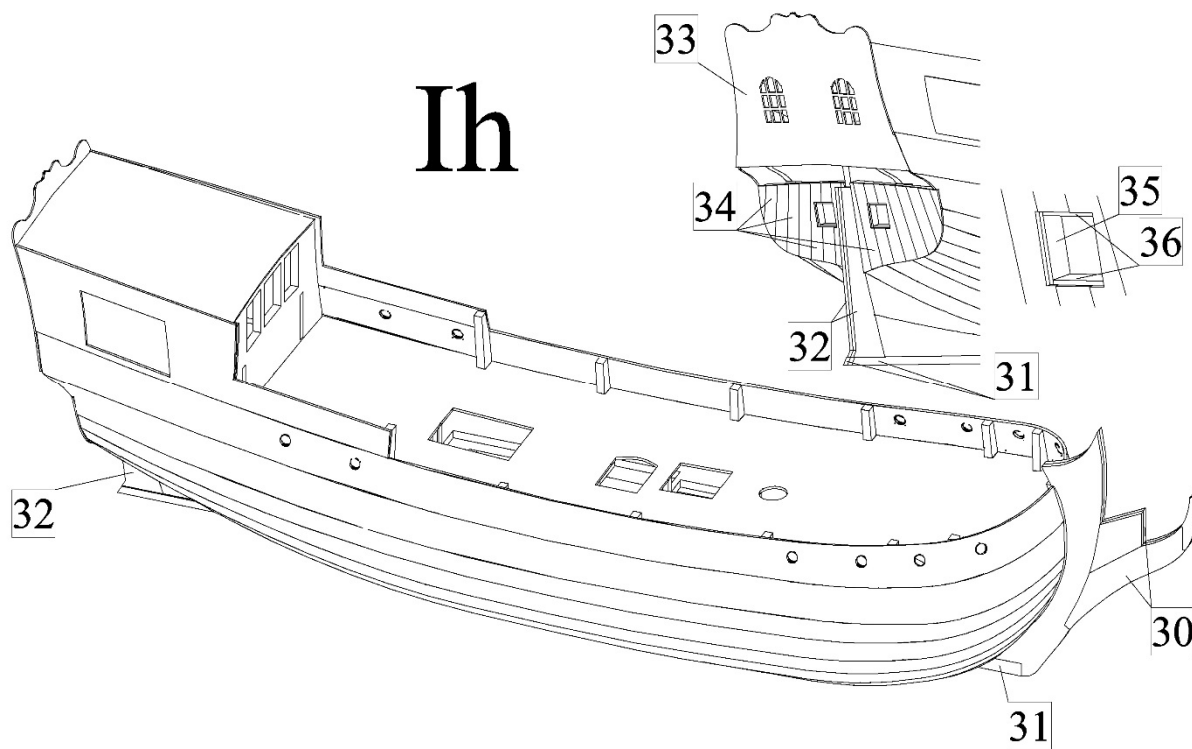


g) Sand the planks into the smooth surface with a block sander with a fairly fine grit.

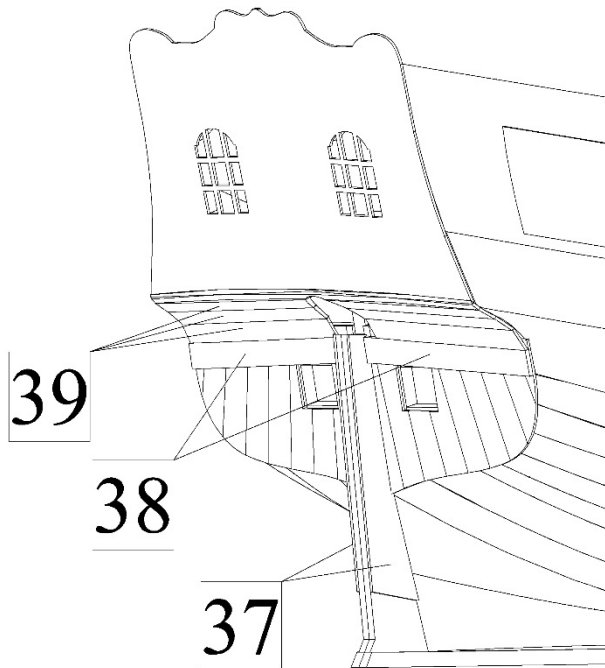


Ig

h) Glue keel, stem and sternpost 30-32 to the hull. Then glue part 33 to stern of the ship. Finally plank the stern by parts 34-36.

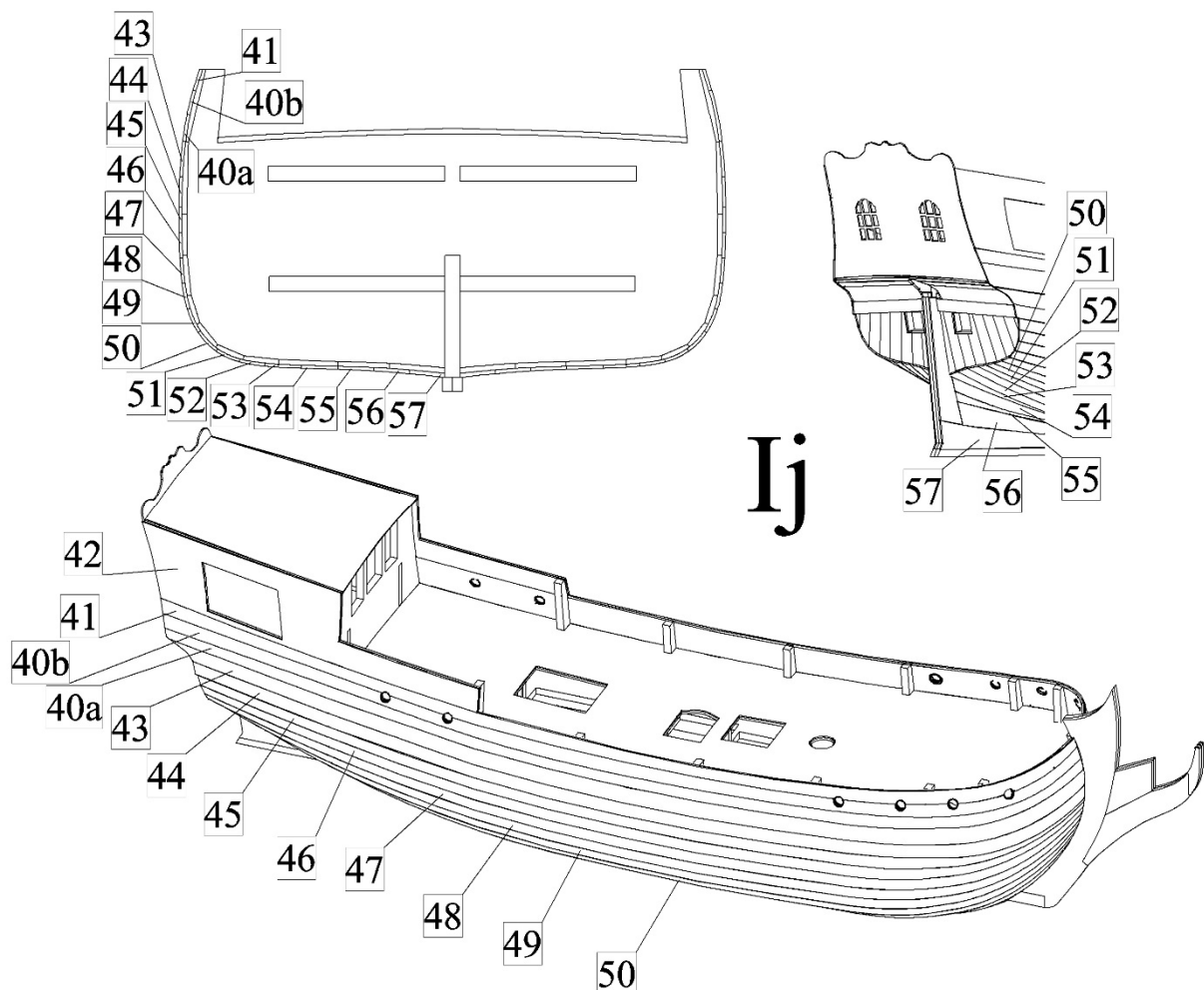


i) Plank the stern of the ship by parts 37-39.



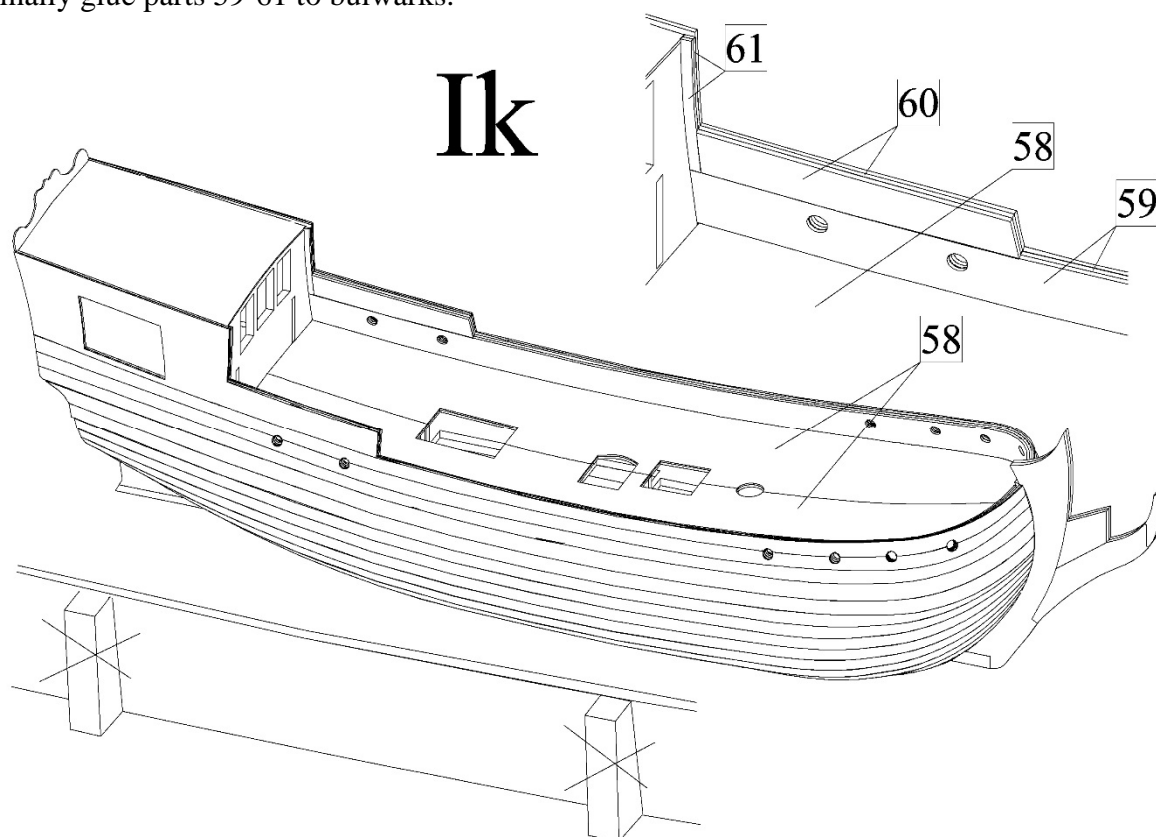
Ii

j) Glue to the hull second layer of planking 40-57. First glue planks 41 and 42 into their positions and then glue step by step the other planks 40b, 40a and 43-57.

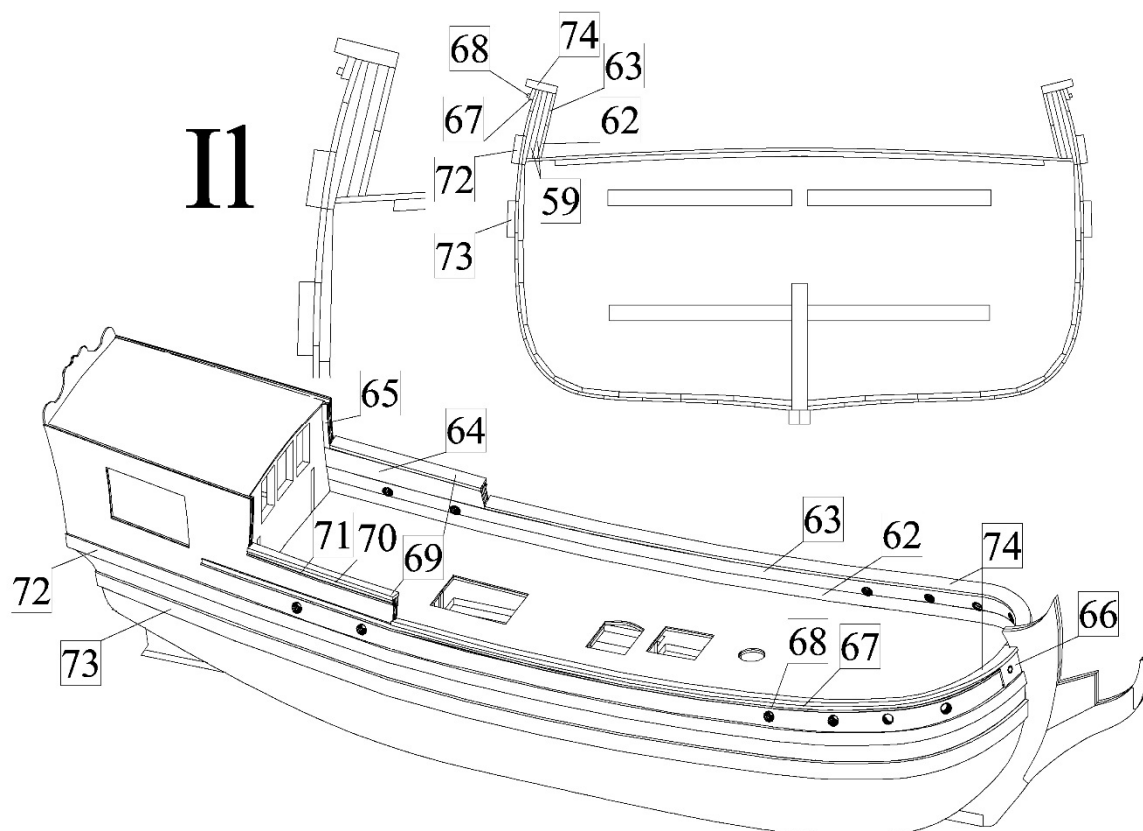


Ij

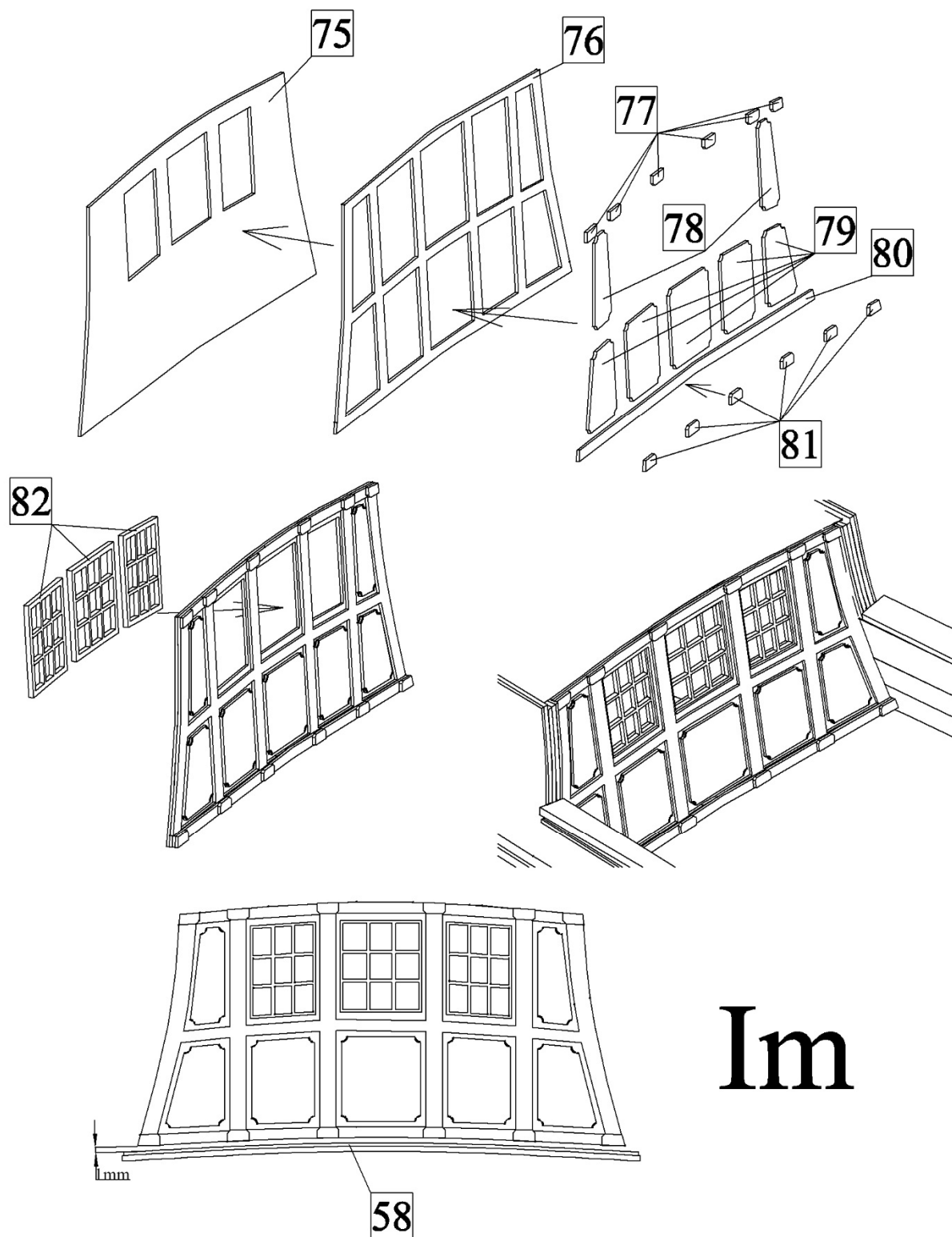
k) First cut out parts of frames which overlap the deck. Then glue second layer of deck 58. Finally glue parts 59-61 to bulwarks.



l) First plank the bulwarks by planks 62-65. Then glue parts 66 to the bow and parts 67, 68 and 70-73 to the hull. Finally, glue plank sheers 69 and 74.

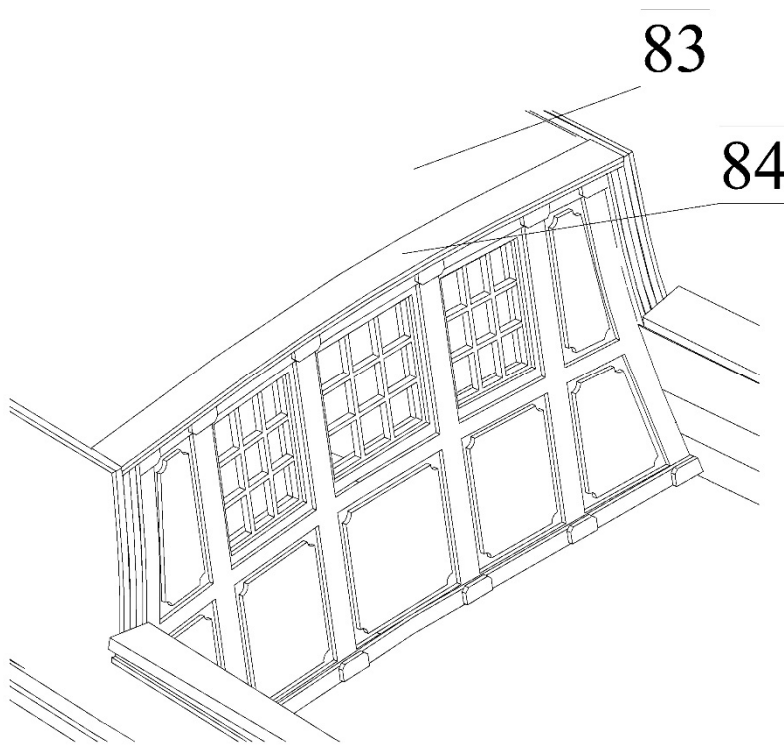


m) Make the cabin wall from parts 75-81. Then glue windows 82 into their positions. Finally, glue the wall to the frame 7 as there would be 1mm gap between deck and the wall. Paint the gap by black color.



Im

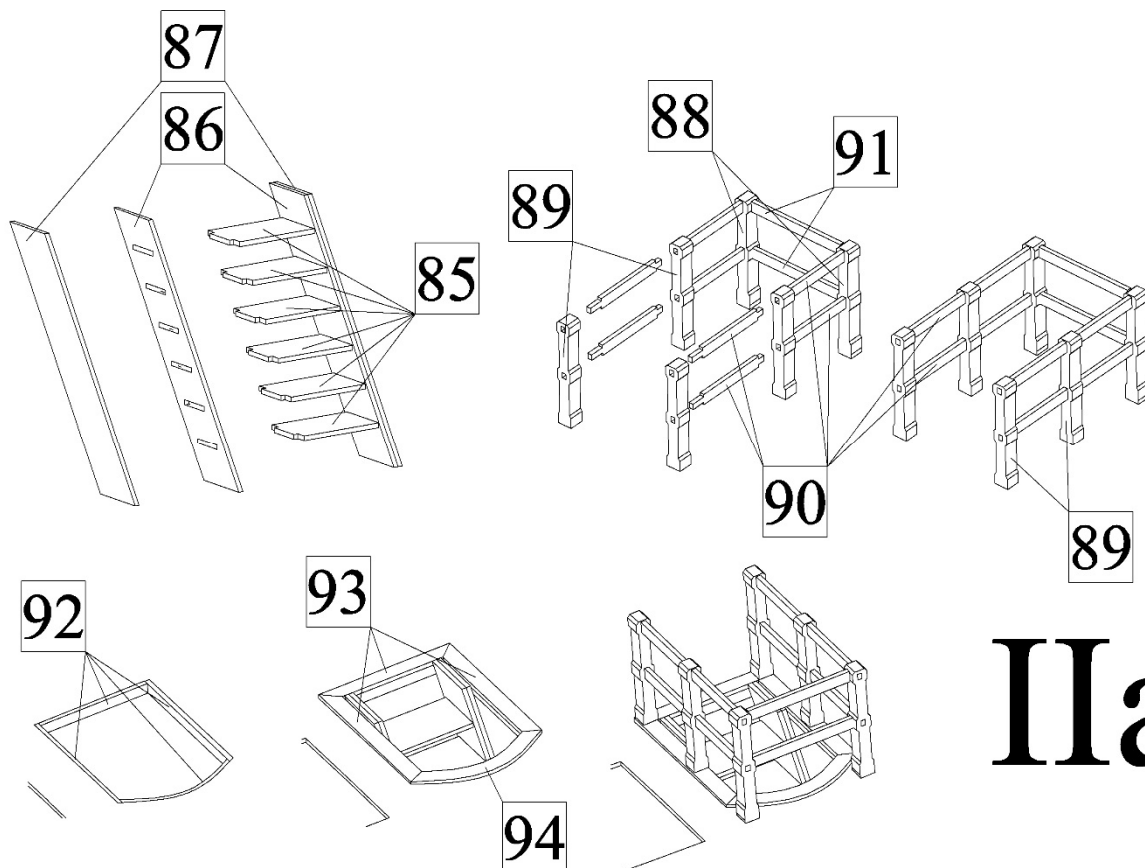
n) Glue the deck 83 and 84 to the stern.



In

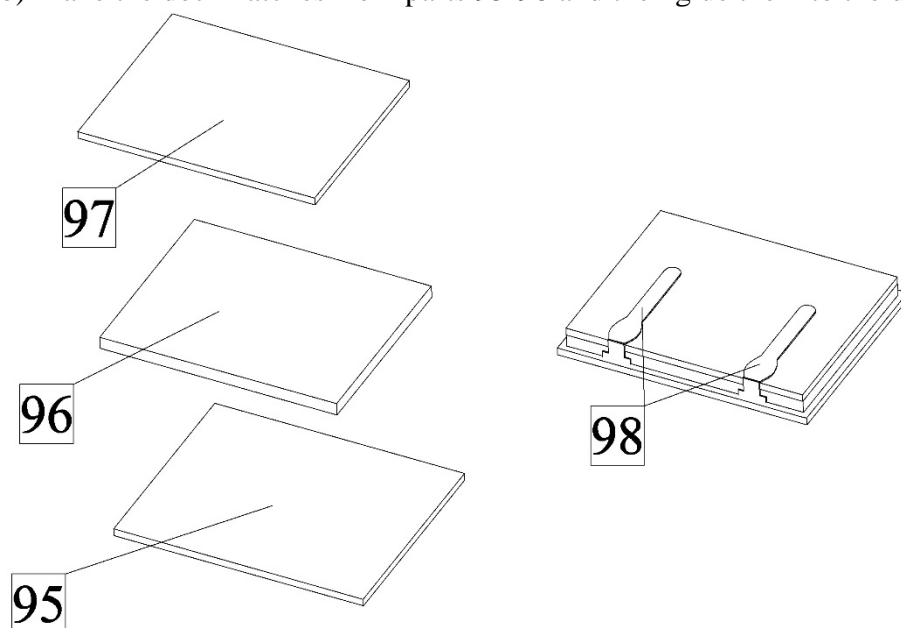
II) Details:

a) First make the stairs from parts 8-87 and railings from parts 88-91. Then glue outline of deck hatch 92-94. Finally glue stairs and railings into their positions.



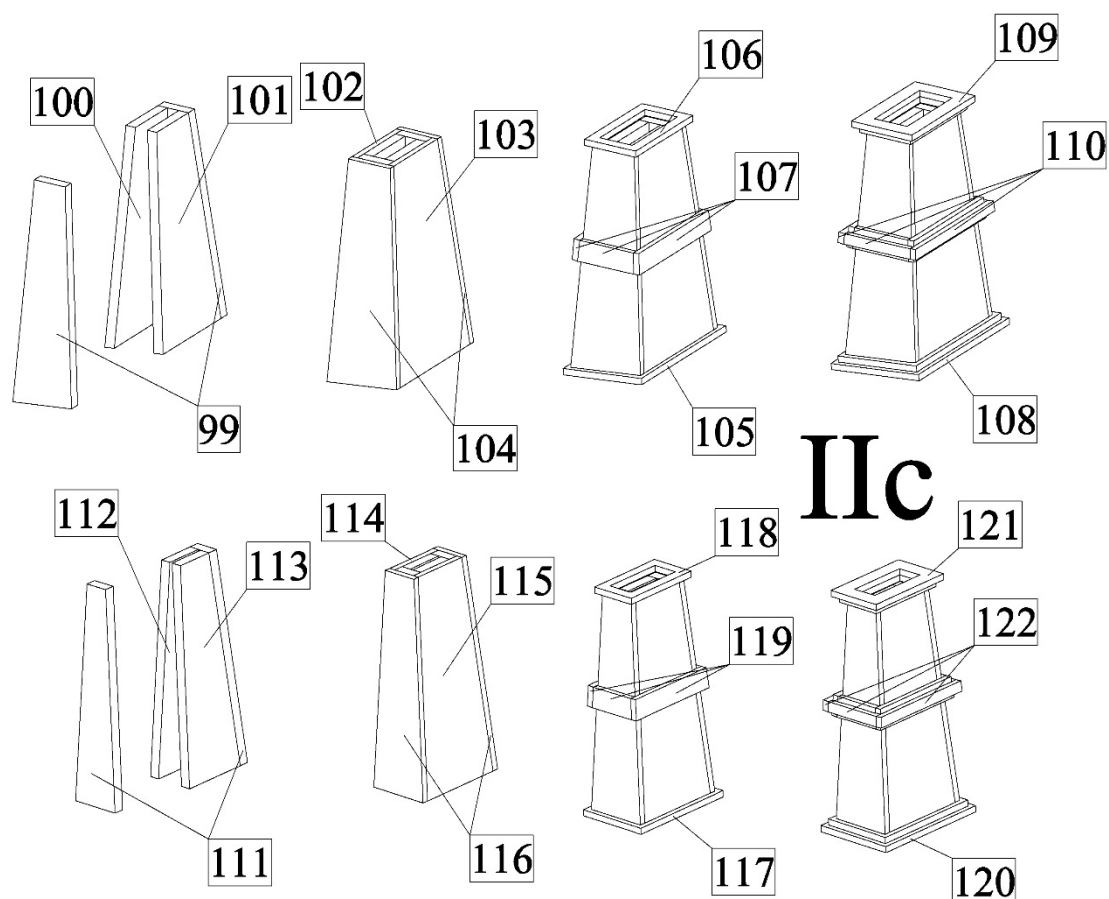
IIa

b) Make the deck hatches from parts 95-98 and then glue them to the deck.



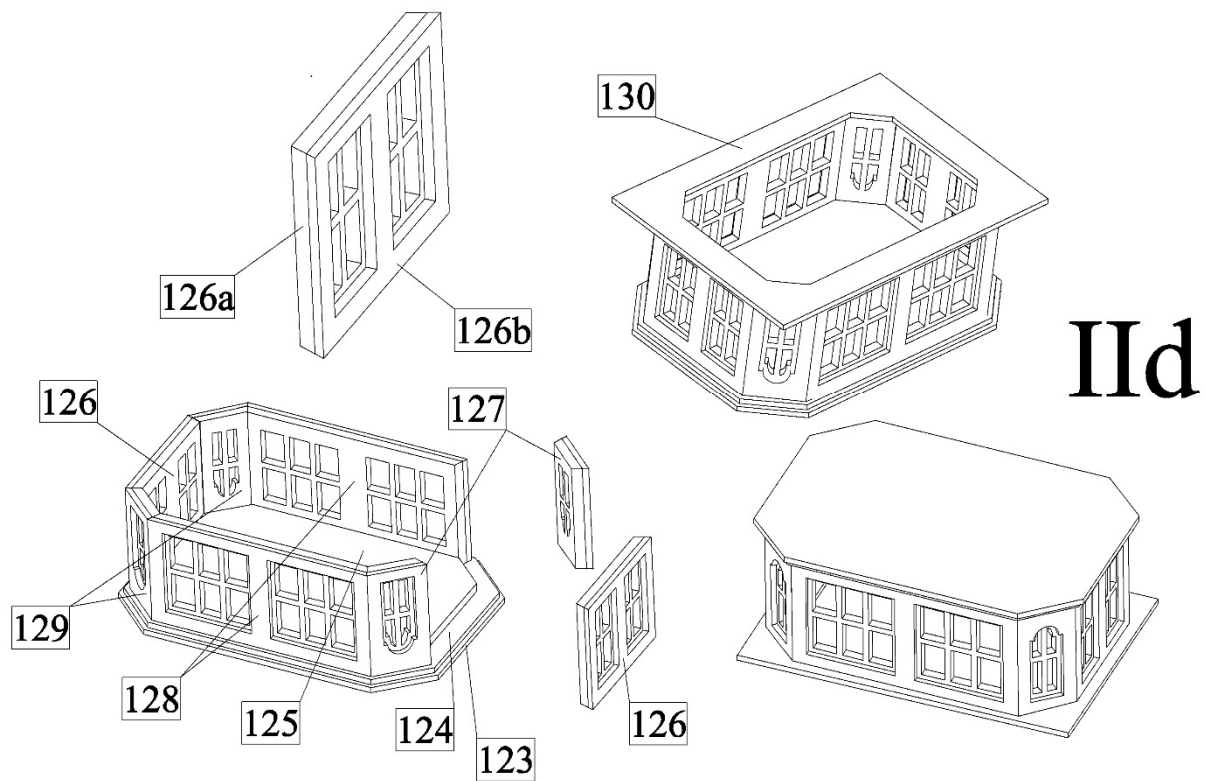
IIb

c) Make the chimneys from parts 99-110 and 111-122. Then glue the chimney to the deck.

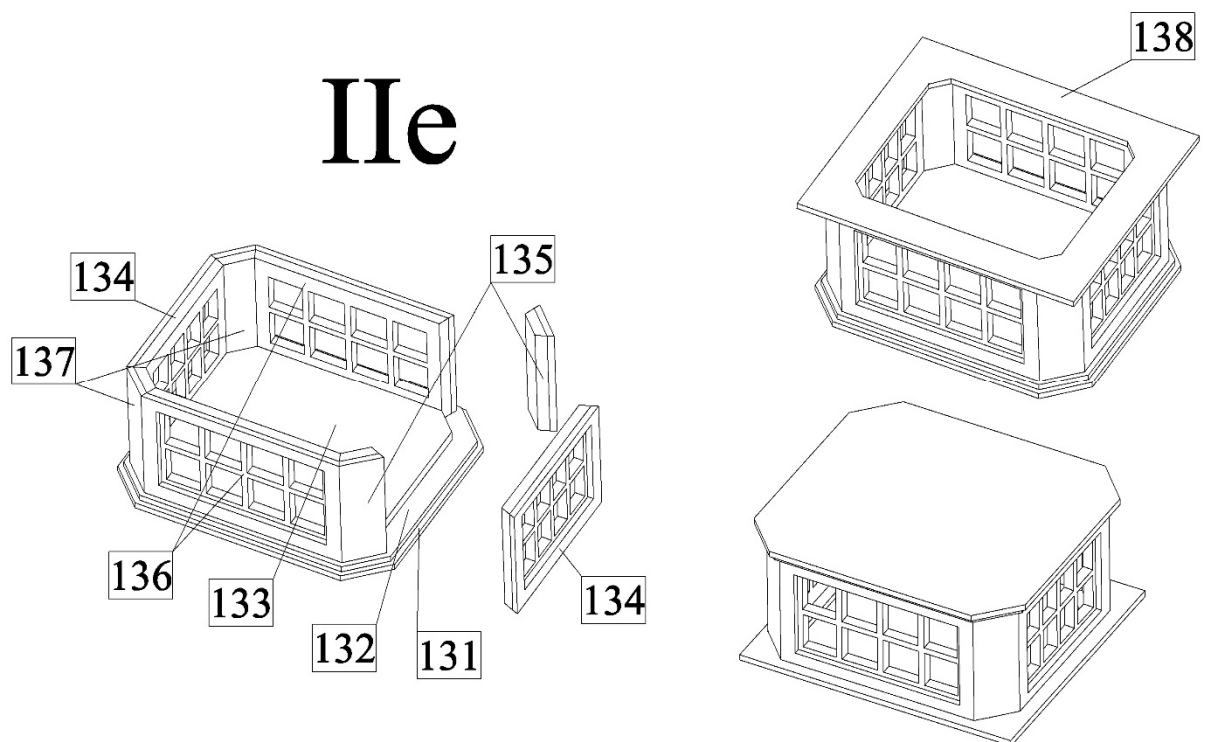


IIc

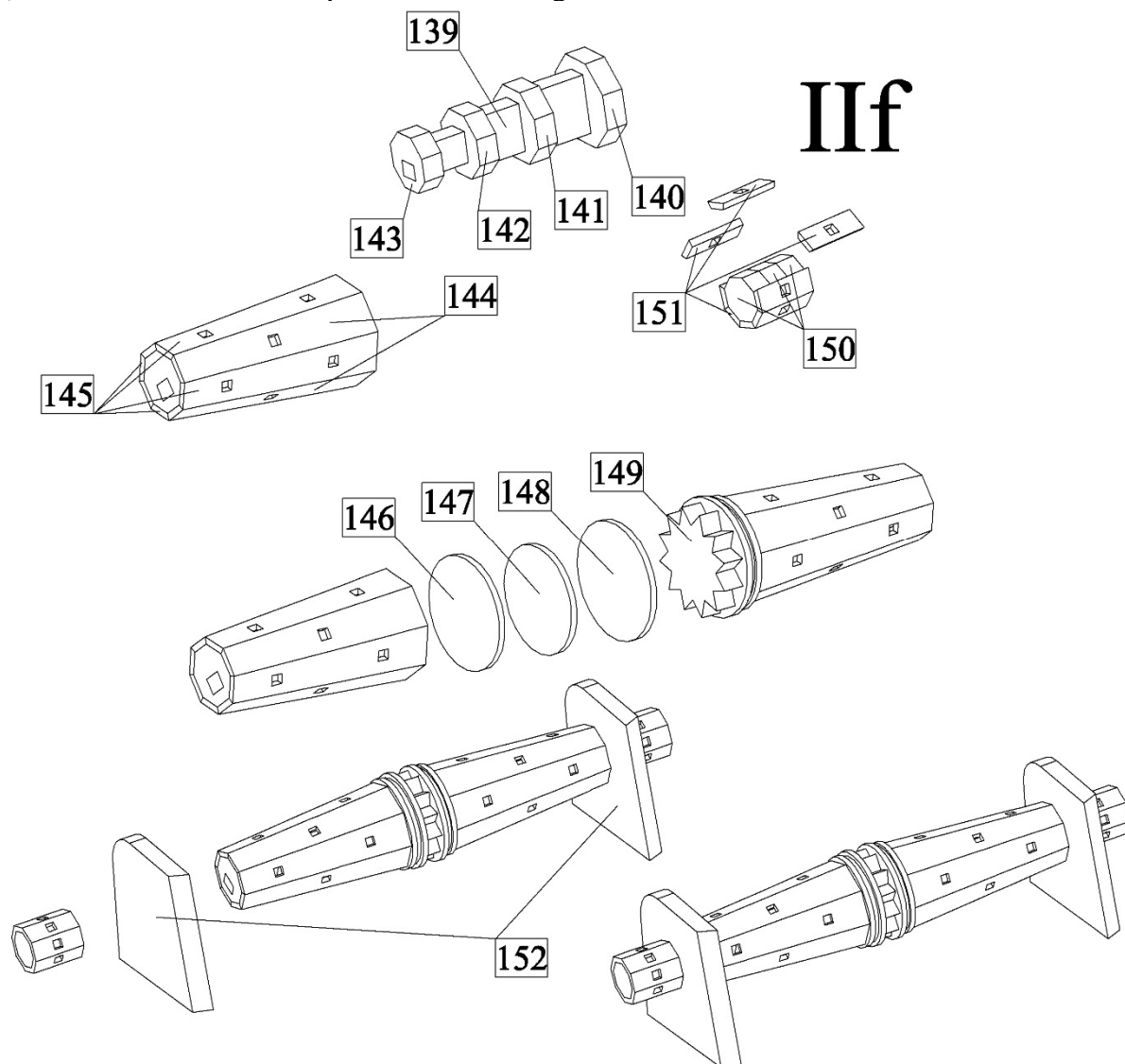
d) Make skylight from parts 123-130 and glue it to the deck.



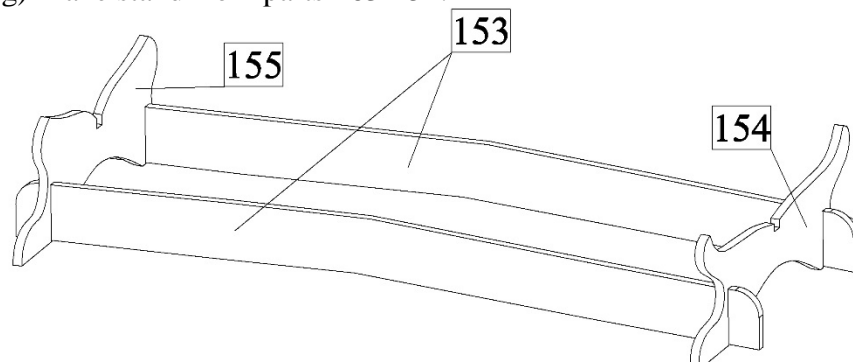
e) Make skylight from parts 131-138 and glue it to the deck.



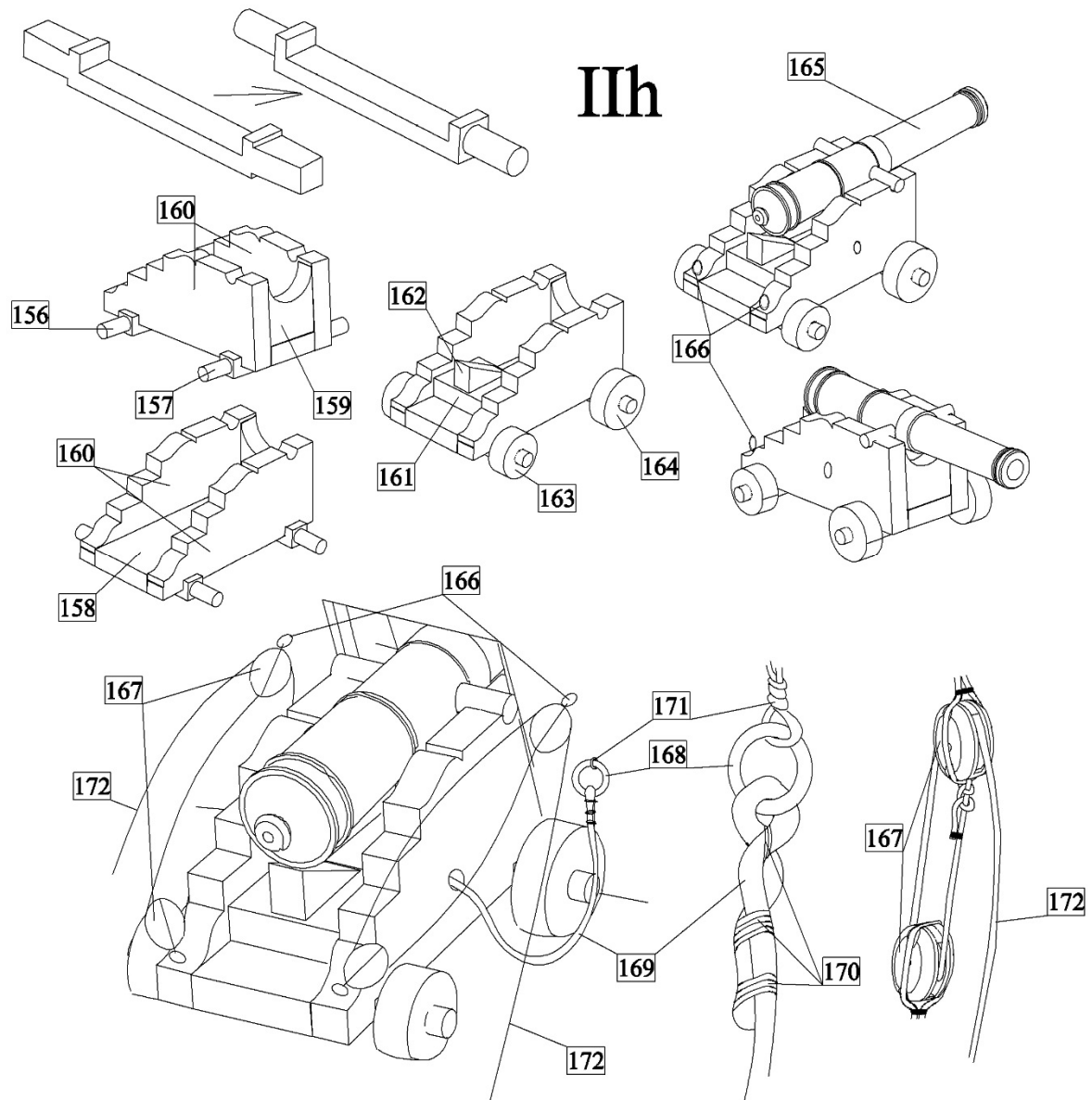
f) Make the windlass from parts 139-152 and glue it to the deck.



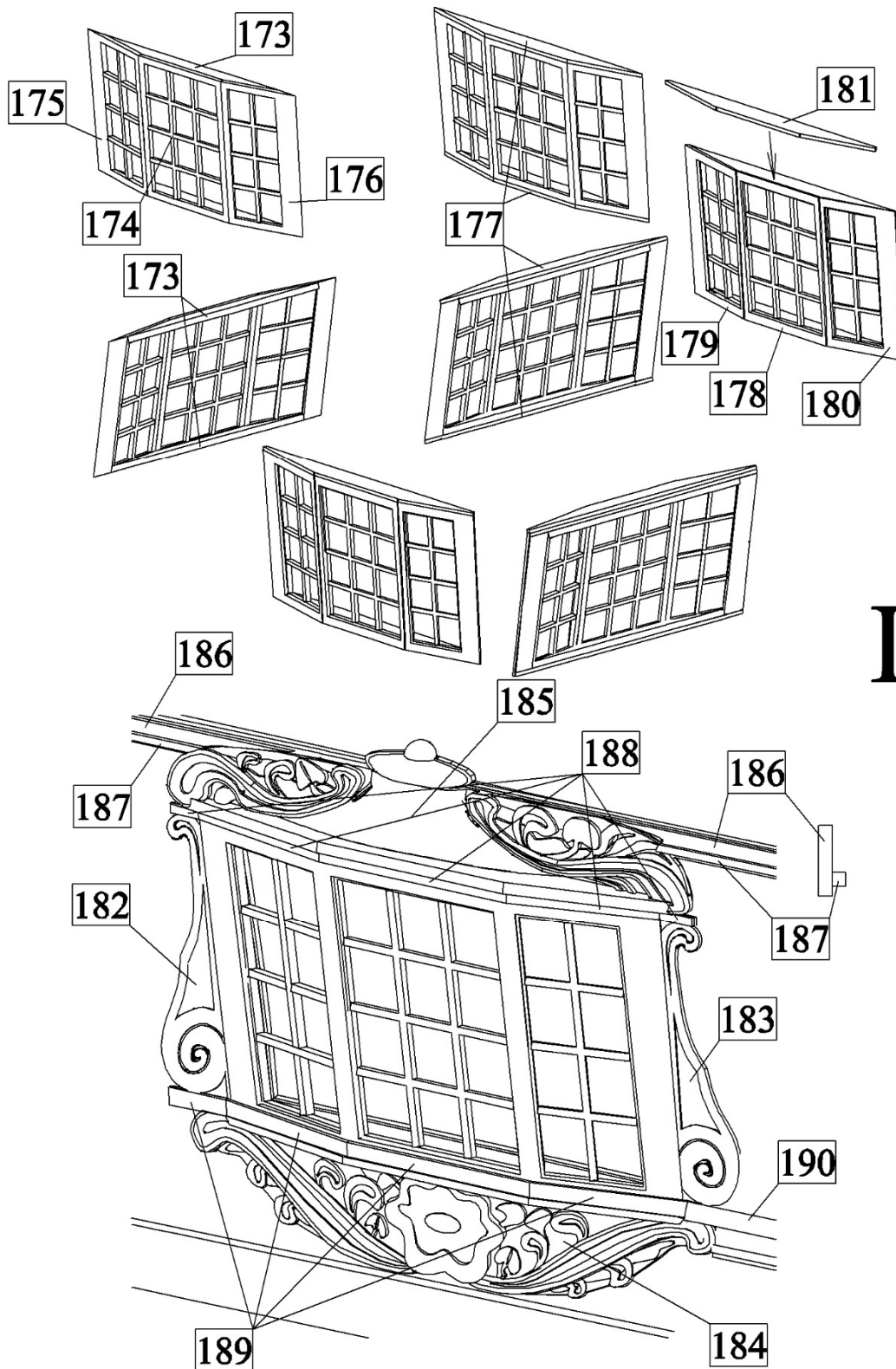
g) Make stand from parts 163-154.



h) Make the guns. First sharpen the axles of gun carriages 156 and 157 by needle file into a cylindrical shape. Then make the gun carriages from parts 158-164. Then glue gun barrels 165 and eyebolts 166 to the carriages. Finally, install the guns into their positions as it is shown in the figure.

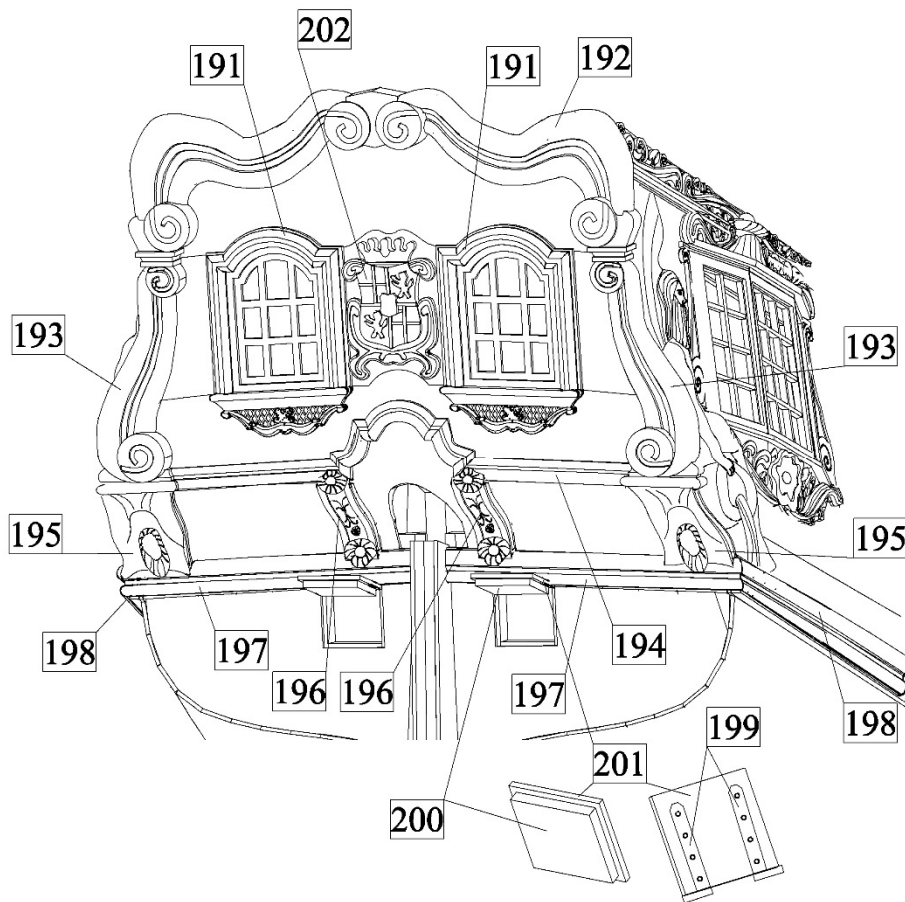


i) Make the side galleries from parts 173-190 as it is shown in the figure.

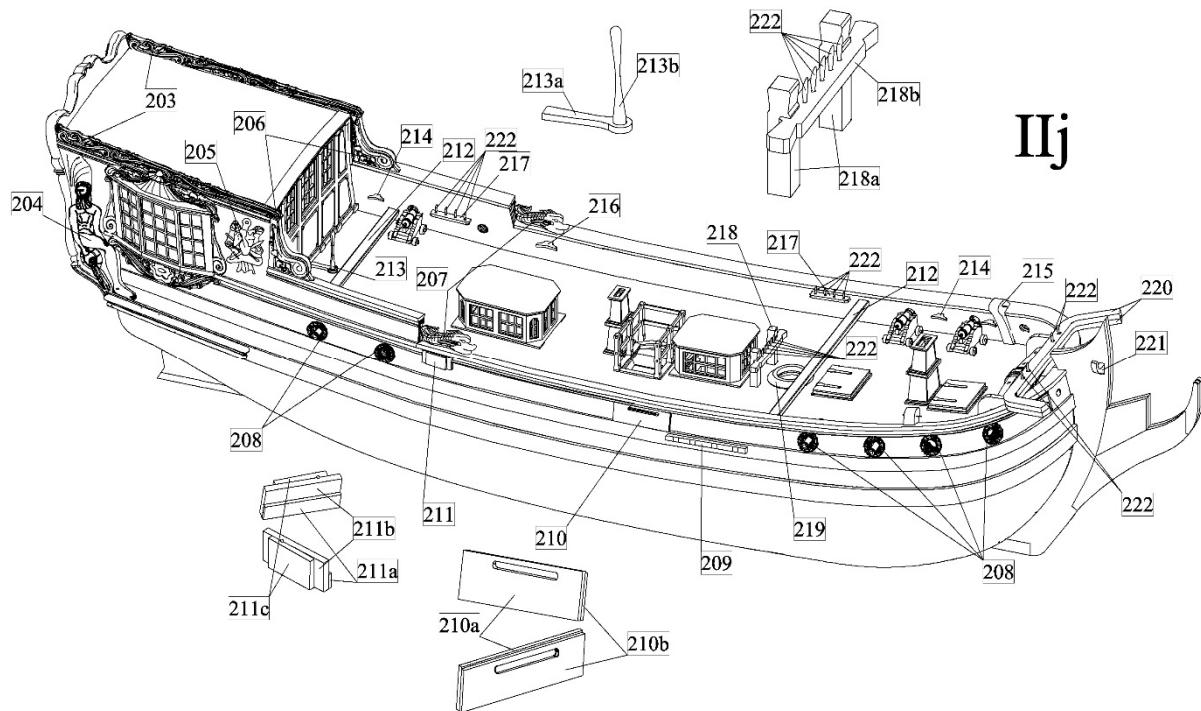


IIi

j) First glue parts 191-199 and 202 to the stern. Then make gun port lids from parts 199-201 and glue them to stern gun ports.



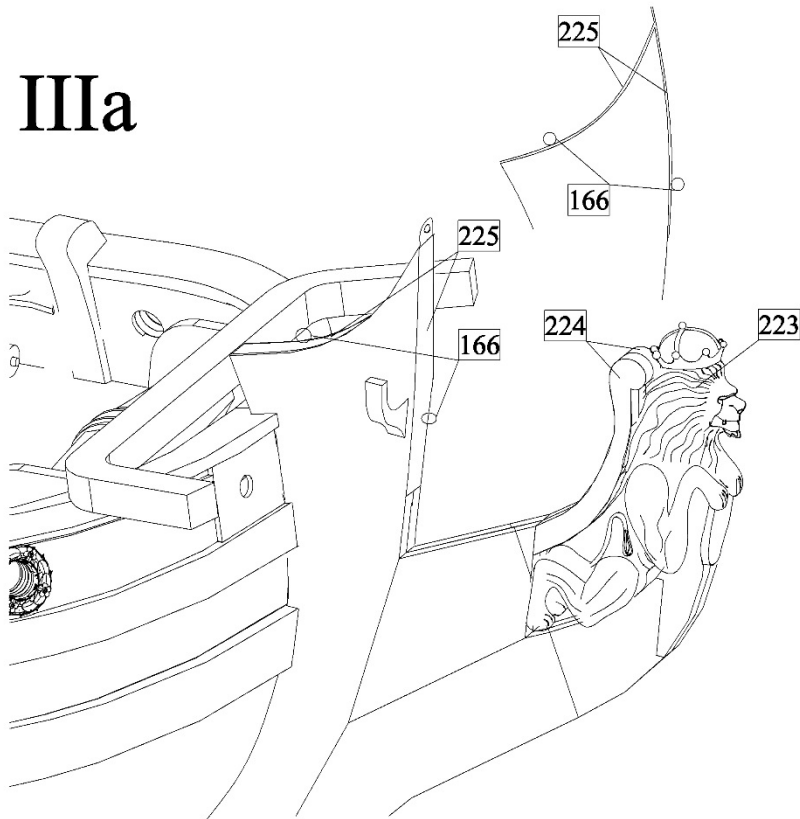
k) Make the all other details as it is shown in the figure.



III) Head:

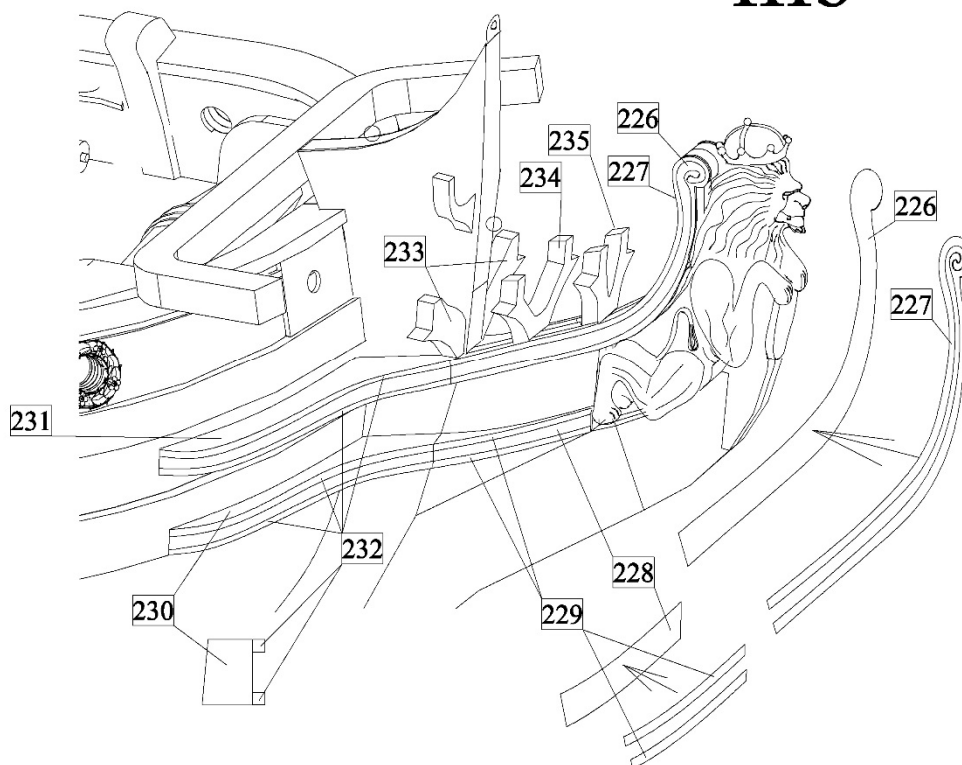
a) First glue figurehead 223 and parts 224 to the stem. Then glue parts 225 and eyebolts 166 into their positions.

IIIa

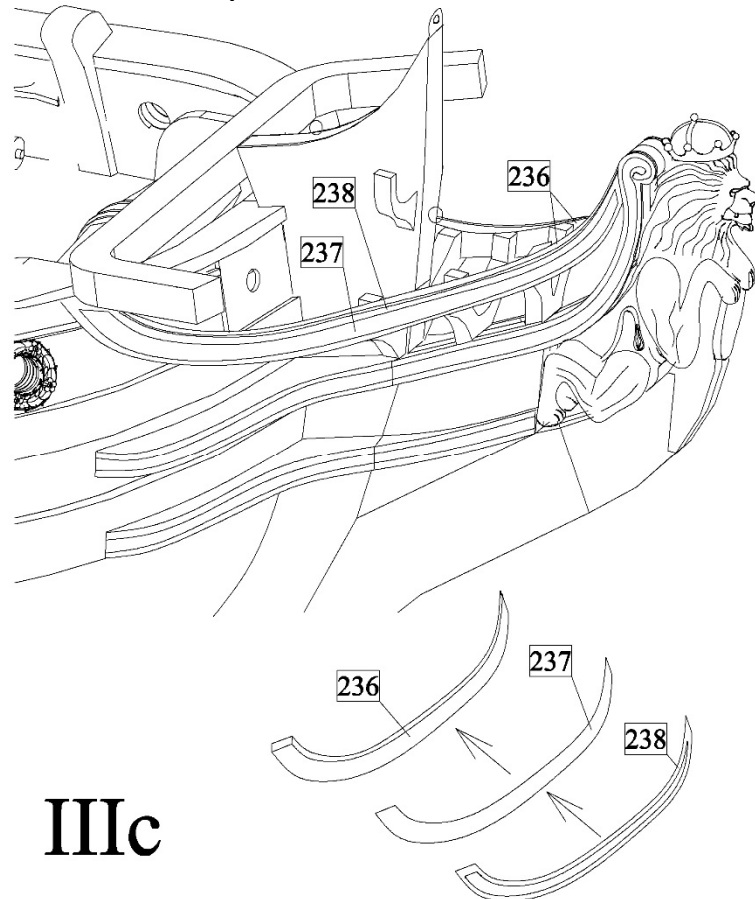


b) Glue head rails 226-232 and head timbers 233-235 into their positions as it is shown in the figure.

IIIb

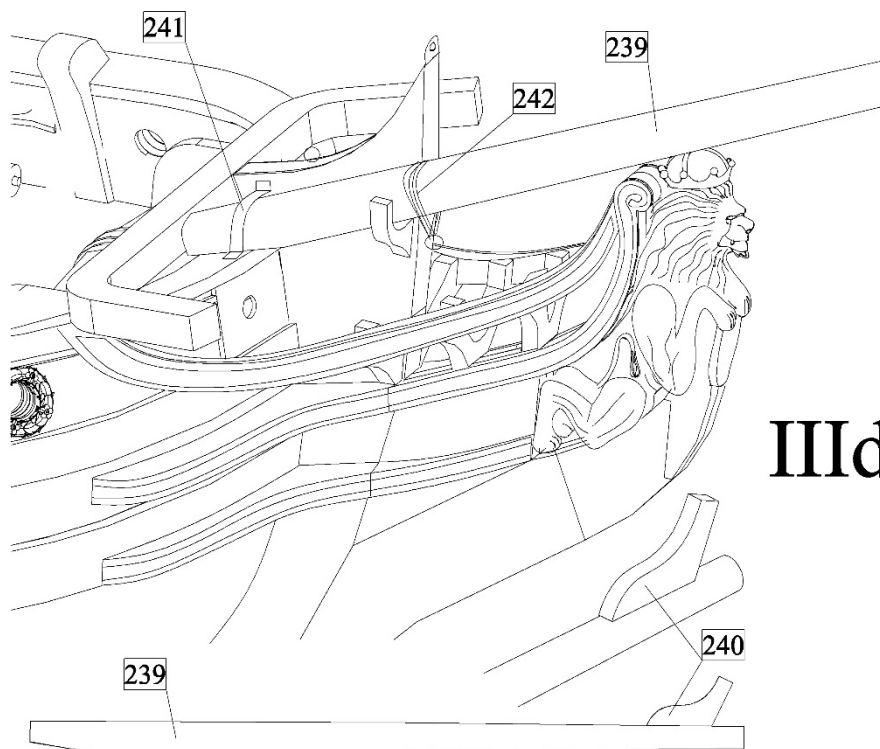


c) Glue head rails 236-238 into their positions.



IIIc

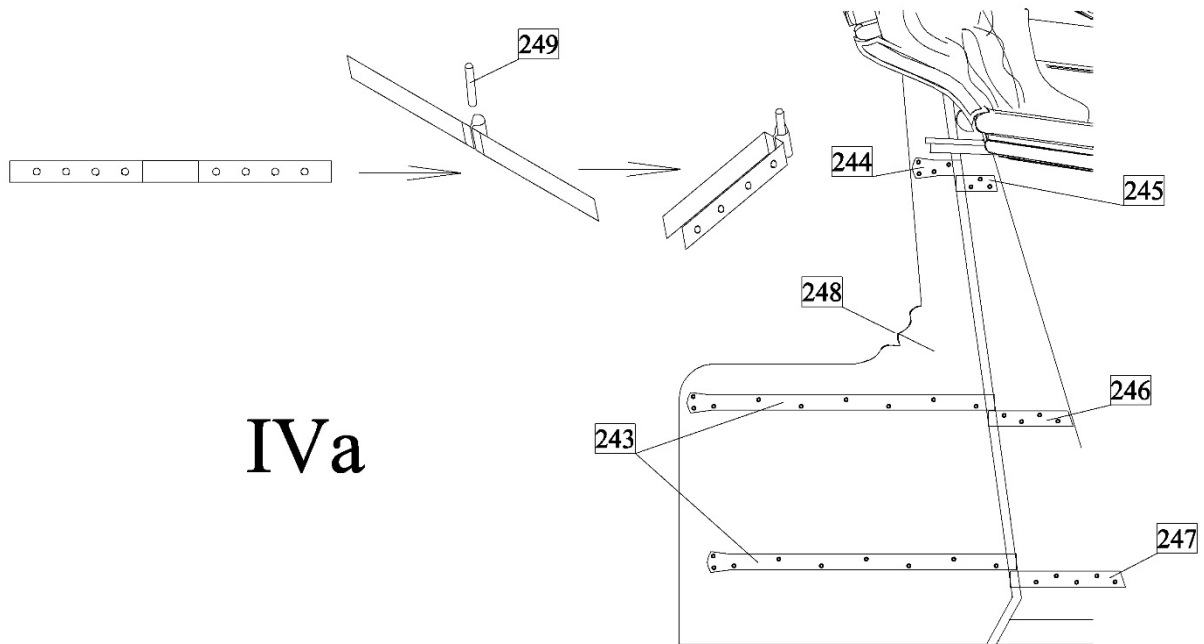
d) Make the bowsprit from parts 239 and 240. Then glue it to the stem with part 241 and tie it by rope 242.



IIIId

IV) Rudder:

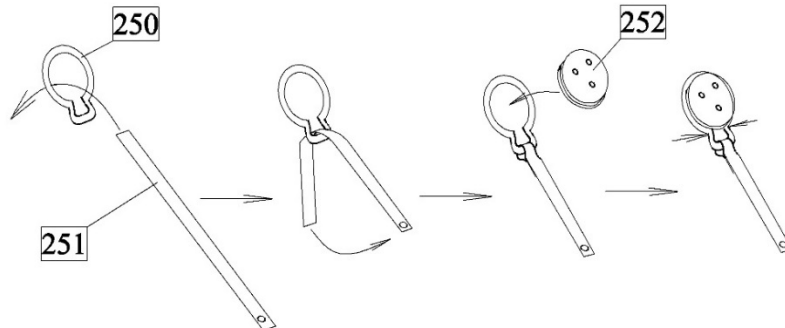
a) Make the rudder form parts 243-249 and install it to the sternpost.



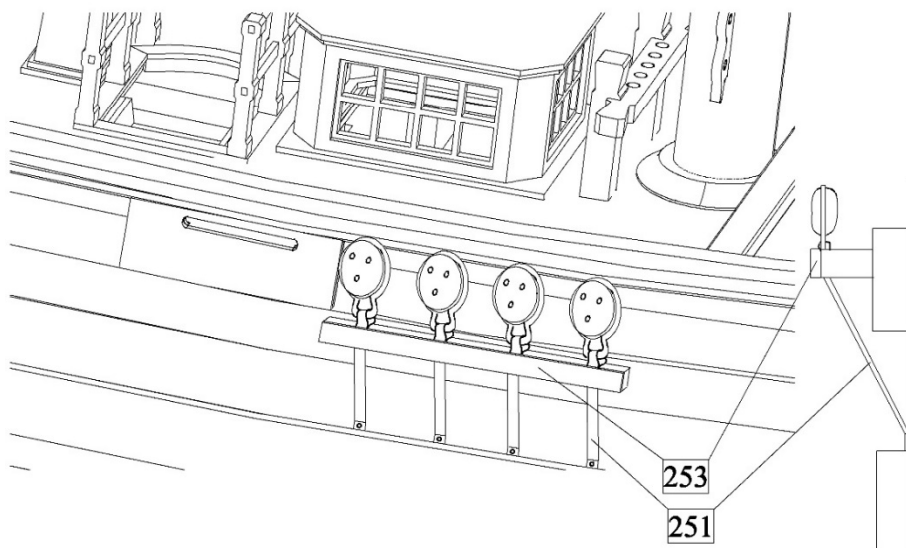
IVa

V) Deadeyes blocks:

a) First pass parts 251 through hoops 250. Then bend the parts 251 and glue them as it is shown in the figure. Then put deadeyes blocks 252 to the hoops. Finally press the hoops in their neck as it is shown in the picture. Then glue the deadeyes to the channels and then glue capping strips 253 to the channels too.



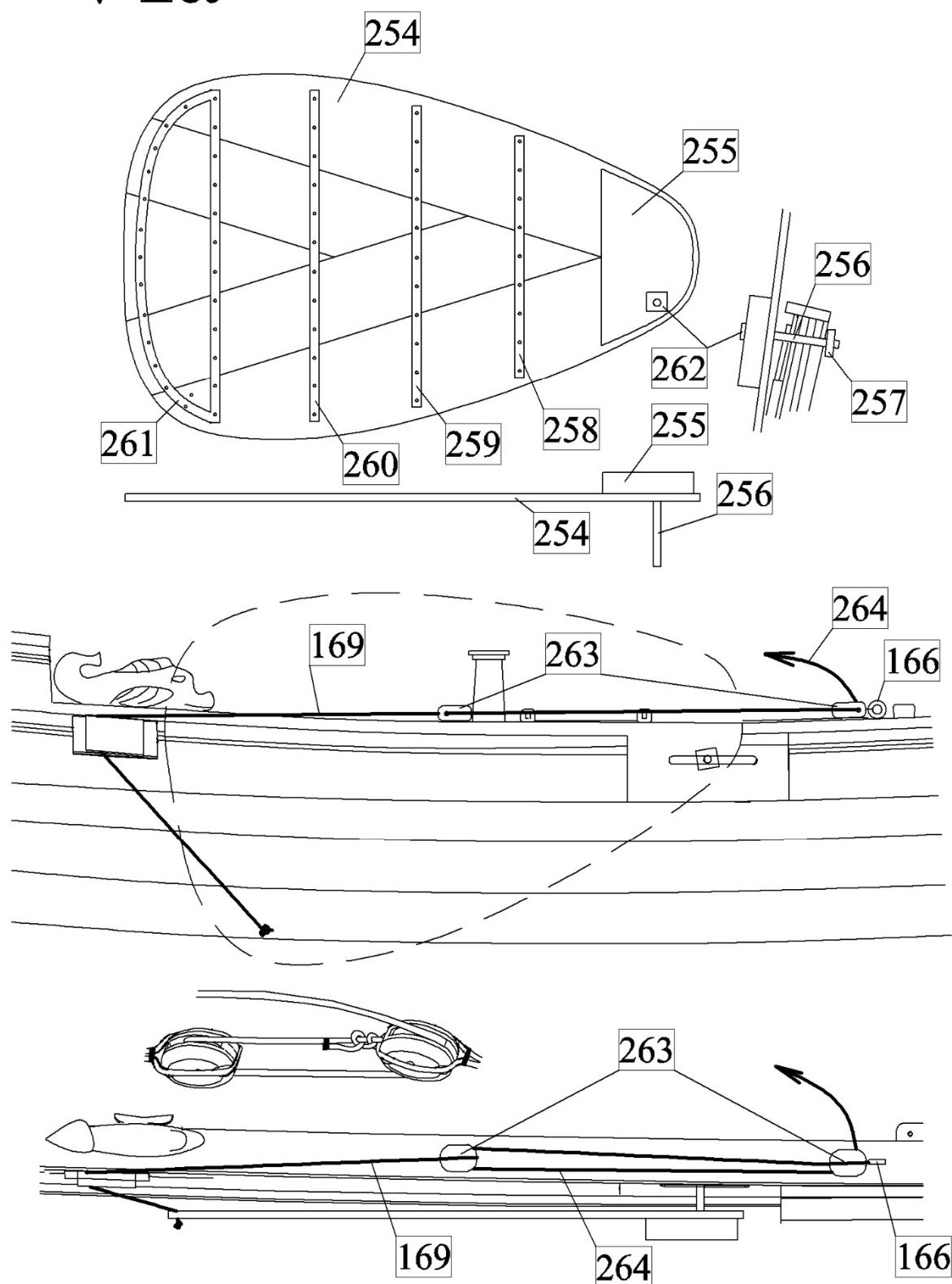
Va



VI) Leeboard:

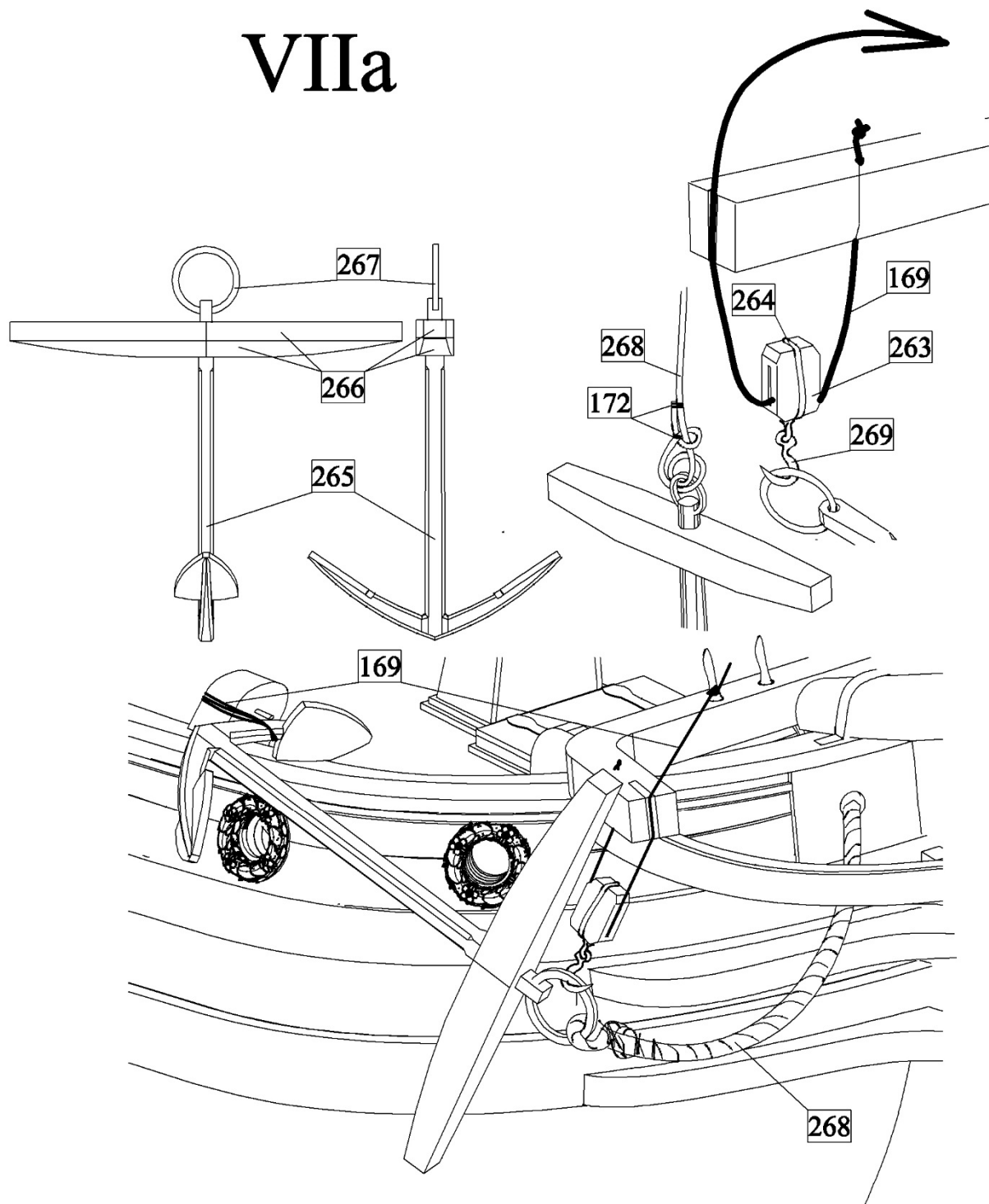
a) First make the leeboard from parts 254-261. Then install the leeboards to the hull as it is shown in the picture.

Vla



VII) Anchor:

a) Make anchors from parts 265-267. Then install the anchors to the ship.

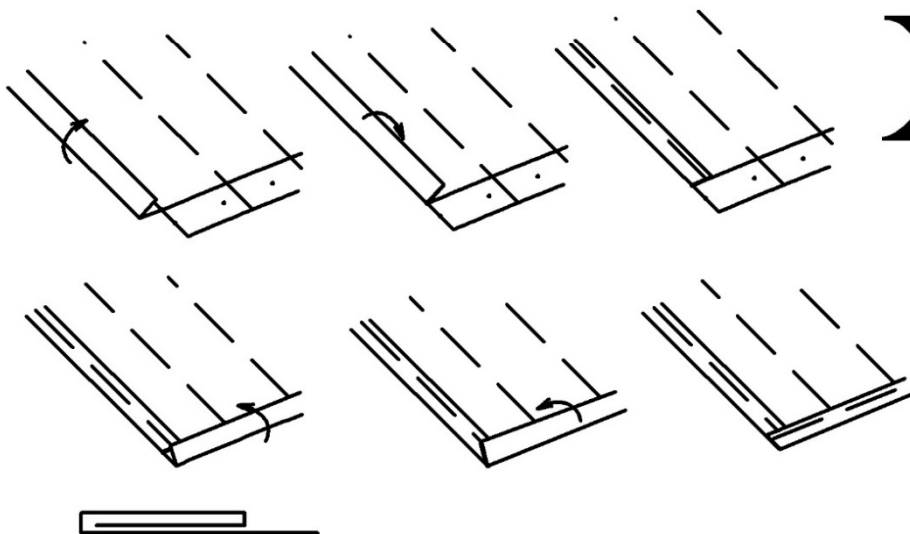
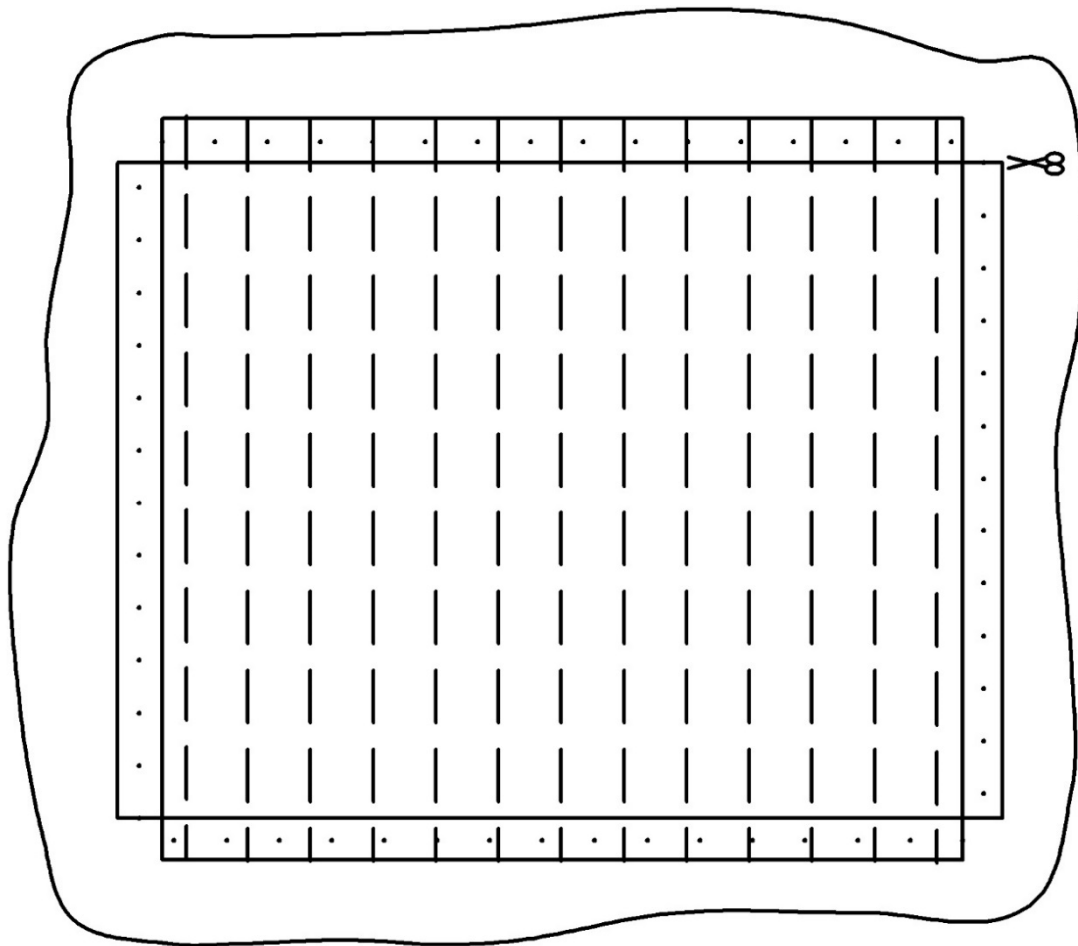


IX) Standing and running rigging:

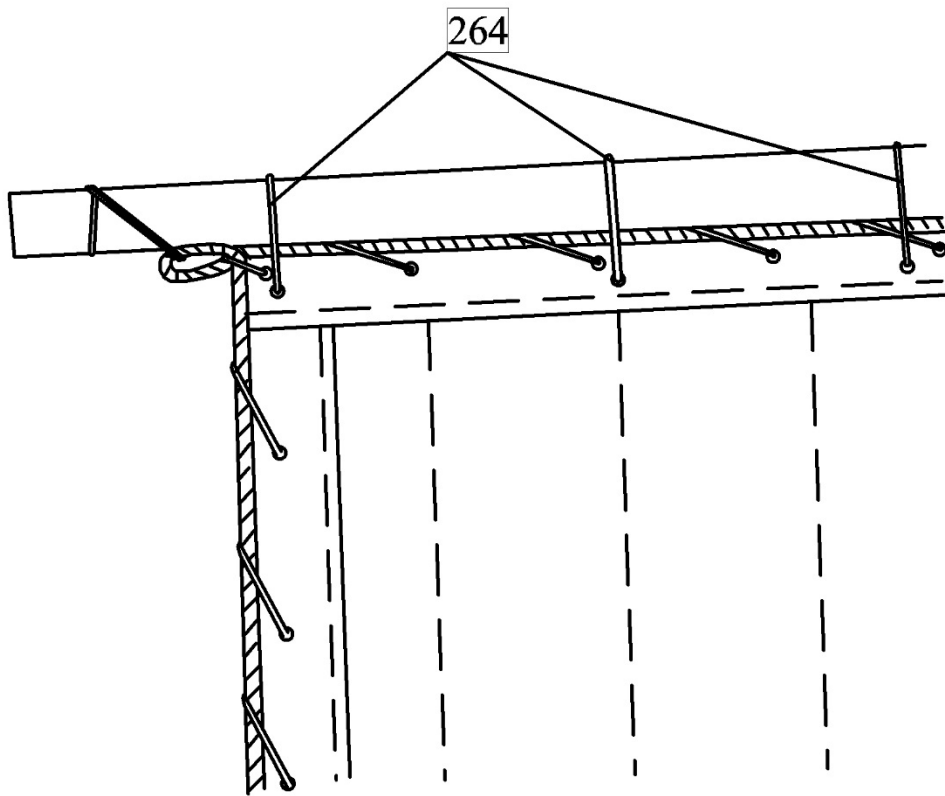
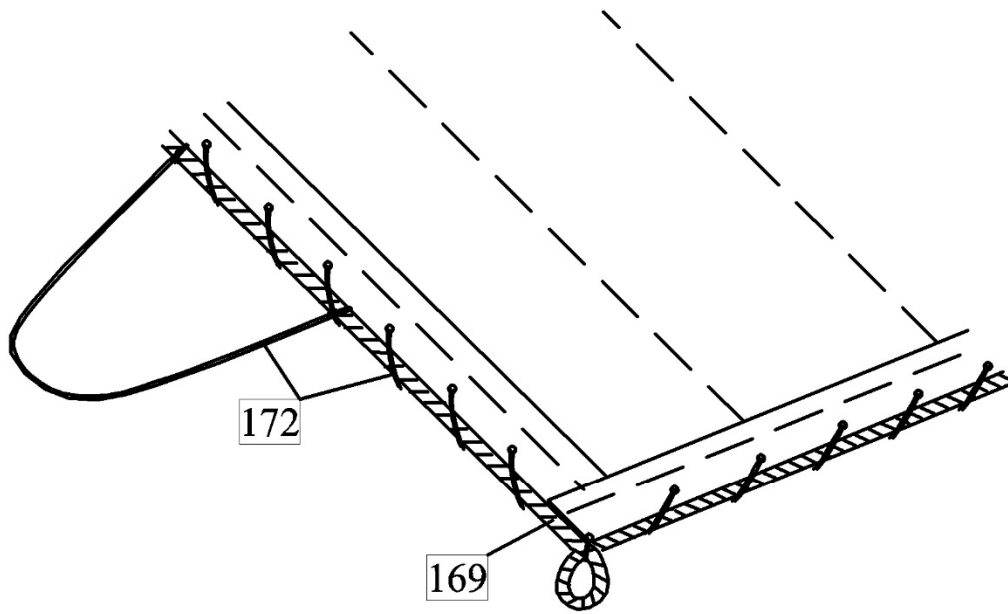
a) Make mast and yards and install them to the ship as it is shown in the plans.

X) Sails and flags:

a) First draw by pencil contours of the sail on the cloth. To the edges of the sails add about 10mm for a border. Using a pencil draw on the cloth also seams which divided the sail into simple segments. Then by a sewing machine sew outlines of the sails segments. Then scissor the sail with the border and sew it like it is shown below. To the circumference of the sails sew on bolt ropes 169 so that the corners of the sails will have eyes of about 3mm diameter. Then tie ropes 172 to the sides of the sails. Tie the sails to the yards by rope 264. Finally, tie flags to the flagpoles.



Xa



Part list:

0-7	plywood 3mm	1pc.
8	plywood 3mm	2pcs.
9	plywood 3mm	1pc.
10-13	plywood 3mm	2pcs.
14, 15	plywood 3mm	1pc.
16,17	plywood 1mm	1pc.
18-29	plywood 1mm	2pcs.
30,31	wood 2mm	2pcs.
32	wood 1,5mm	2pcs.
33	plywood 1mm	1pc.
34	veneer 0,6mm	2pcs.
35,36	veneer 0,6mm	4pcs.
37	veneer 0,6mm	2pcs.
38	wood 1mm	2pcs.
39	veneer 0,6mm	1pc.
40-58	veneer 0,6mm	2pcs.
59-61	plywood 1mm	4pcs.
62-68	veneer 0,6mm	2pcs.
69	wood 1,5mm	2pcs.
70, 71	veneer 0,6mm	2pcs.
72-74	wood 1,5mm	2pcs.
75, 76	veneer 0,6mm	1pc.
77	veneer 0,6mm	6pcs.
78	veneer 0,6mm	2pcs.
79	veneer 0,6mm	5pcs.
80	veneer 0,6mm	1pc.
81	veneer 0,6mm	6pcs.
82	plywood 1mm	3pcs.
83, 84	veneer 0,6mm	1pc.
85	veneer 0,6mm	6pcs.
86, 87	veneer 0,6mm	2pcs.
88	wood 2mm	2pcs.
89	wood 2mm	4pcs.
90	veneer 0,6mm	4pcs.
91	veneer 0,6mm	2pcs.
92, 93	veneer 0,6mm	1pc.
94	veneer 0,6mm	1pc.
95	veneer 0,6mm	2pcs.
96	wood 1mm	2pcs.
97	veneer 0,6mm	2pcs.
98	photoetched part	4pcs.
99	plywood 1mm	2pcs.
100, 101	plywood 1mm	1pc.
102, 103	veneer 0,6mm	1pc.
104	veneer 0,6mm	2pcs.
105-110	veneer 0,6mm	1pc.
111	plywood 1mm	2pcs.
112, 113	plywood 1mm	1pc.

114, 115	veneer 0,6mm	1pc.
116	veneer 0,6mm	2pcs.
117-122	veneer 0,6mm	1pc.
123, 124	veneer 0,6mm	1pc.
125	plywood 1mm	1pc.
126a-129a	plywood 1mm	2pcs.
126b-129b	veneer 0,6mm	2pcs.
130	veneer 0,6mm	1pc.
131, 132	veneer 0,6mm	1pc.
133	plywood 1mm	1pc.
134a-137a	plywood 1mm	2pcs.
134b-137b	veneer 0,6mm	2pcs.
138	veneer 0,6mm	1pc.
139-143	wood 2mm	2pcs.
144, 145	veneer 0,6mm	8pcs.
146-148	wood 1mm	2pcs.
149	wood 2mm	1pc.
150	wood 2mm	2pcs.
151	veneer 0,6mm	8pcs.
152	wood 2mm	2pcs.
153	plywood 3mm	2pcs.
154, 155	plywood 3mm	1pc.
156-159	wood 1,5mm	6pcs.
160	wood 1,5mm	12pcs.
161, 162	wood 1,5mm	6pcs.
163, 164	wood 1,5mm	12pcs.
165	gun barrel	6pcs.
166	eyebolt	44pcs.
167	block 2mm-1hole	26pcs.
168	ring 2mm	12pcs.
169	rope 0,75mm hell	5m
170	rope 0,25mm dark	5m
171	wire 0,3mm	35cm
172	rope 0,25mm hell	15m
173	plywood 1mm	4pcs.
174-176	plywood 1mm	2pcs.
177	veneer 0,6mm	4pcs.
178-183	veneer 0,6mm	2pcs.
184, 185	resin part	2pcs.
186-189	veneer 0,6mm	2pcs.
190	wood 1,5mm	2pcs.
191	resin part	2pcs.
192	resin part	1pc.
193	resin part	2pcs.
194	resin part	1pc.
195-198	resin part	2pcs.
199	photoetched part	4pcs.
200	wood 1mm	2pcs.
201	veneer 0,6mm	2pcs.
202	resin part	1pc.

203-207	resin part	2pcs.
208	resin part	12pcs.
209	wood 2mm	2pcs.
210a, 210b	veneer 0,6mm	2pcs.
211a	veneer 0,6mm	2pcs.
211b, 211c	wood 1mm	2pcs.
212	wood 2mm	2pcs.
213a	wood 1mm	1pc.
213b	dowel 2mm	1pc.
214	wood 1mm	9pcs.
215a	wood 2mm	4pcs.
215b	wire 0,3mm	35cm
216	wood 1mm	3pcs.
217	wood 1mm	4pcs.
218a	wood 3mm	2pcs.
218b	wood 2mm	1pc.
219	wood 2mm	1pc.
220	wood 2mm	2pcs.
221	wood 2mm	1pc.
222	belaying pin	30pcs.
223	resin part	1pc.
224	wood 2mm	2pcs.
225	photoetched part	2pcs.
226-229	veneer 0,6mm	2pcs.
230, 231	wood 3mm	2pcs.
232	veneer 0,6mm	4pcs.
233-235	wood 2mm	1pc.
236	wood 1,5mm	2pcs.
237, 238	veneer 0,6mm	2pcs.
239	dowel 6mm	1pc.
240	wood 2mm	1pc.
241	photoetched part	1pc.
242	rope 0,5mm dark	2m
243	photoetched part	2pcs.
244-247	photoetched part	1pc.
248	wood 2mm	2pcs.
249	wire 0,5mm	5cm
250, 251	photoetched part	8pcs.
252	block dead eye 5mm	16pcs.
253	veneer 0,6mm	2pcs.
254	wood 1,5mm	2pcs.
255	wood 3mm	2pcs.
256	wire 1mm	5cm
257	wood 1mm	2pcs.
258-262	photoetched part	2pcs.
263	block 5mm-1hole	17pcs.
264	rope 0,5mm hell	10m
265	resin part	2pcs.
266	wood 2mm	4pcs.
267	ring 8mm	2pcs.

268	rope 1,5mm hell	60cm
269	photoetched part	2pcs.
270	dowel 10mm	1pc.
271	wood 1mm	2pcs.
272	veneer 0,6mm	8pcs.
273	wood 3mm	2pcs.
274	dowel 5mm	1pc.
275	dowel 5mm	1pc.
276, 277	wood 1mm	1pc.
278	dowel 4mm	1pc.
279	resin part	2pcs.
280	dowel 3mm	1pc.
281	wood 1mm	1pc.
282	dowel 6mm	1pc.
283	wood 2mm	2pcs.
284	wood 1mm	1pc.
285, 286	photoetched part	4pcs.
287	wood 2mm	1pc.
288	wood 3mm	1pc.
289	dowel 2mm	1pc.
290	dowel 3mm	1pc.
291	dowel 2mm	1pc.
292	dowel 3mm	1pc.
293	wood 3mm	1pc.
294	rope 1mm dark	4m
295	block 7mm-1 hole	2pcs.
296	block 7mm-2 holes	3pcs.
297	rope 0,75mm dark	1m
298	block 3mm-2 holes	3pcs.
299	block dead eye 3,5mm	2pcs.
300	wood 3mm	1pc.
301	block 3mm-1 hole	6pcs.
302	roller 2mm	10pcs.
303-305	flag	1pc.
306-309	sail	1pc.