

NUESTRA SEÑORA de la CONCEPCIÓN y de las ÁNIMAS

SCALE: 1/72,
Length: 905mm,
Width: 415mm,
Height: 815mm

HISTORY:

Nuestra Señora de la Concepción y de las Ánimas was the first Spanish three decker. Construction of the ship was begun in 1682 by the master builder Antonio de Amas and she was launched in 1687 at the Colindres shipyard in Cantabria. She had a displacement of about 1500 tons. There are two sources for reconstruction of the ship; first is the book "Arte de Fabrica Reales" from 1691 which contains some drawings, and second is a painting in the parish church "Iglesia de la Asunción" in Arcenillas, Zamora.

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 with a vengeance read building instructions and plans. Also chronology of assembly steps is necessary to keep. You check if the parts go together before you glue it respectively you 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. You cut the parts from sheet until actually required for fitting. You cut by knife only in direction off ward your body so that you head to injury risk. It is recommended to use water based white glue to gluing wooden parts and *cyanoacrylate glue* for gluing resin and brass parts.

Coloring:

Wooden sailing 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 naturally color of wood. Anchors and other metal parts were a black color.

Bending of wooden strips:

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

Model building process:

- 1) First glue the keel from parts 0a-0c. Then insert frames 1-8 into the keel but do not glue them now!
- 2) Insert reinforcements 9 through the frames 1-8 but do not glue them now again!
- 3) Insert frames 10-13 into the keel but do not glue them now again!
- 4) A) Insert reinforcements 14 and 15 through the frames but do not glue them now again! B) Glue frame 16 and reinforcements 17 to the bow (grind the frame and reinforcements into needed shape first). C) Glue parts 13 and frame 19 to the frame 18 on the stern. D) Glue parts 20 and frame 21 to the frame 19.
- 5) Glue decks 22-24 into their positions. And then glue together all the frames, decks and keel.
- 6) Glue framework reinforcement from parts 25-33 and glue it to the frames.
- 7) Glue the first plank 34 to the slots in frames. Start the planking from bow to stern. The planking is needed to make from two strips due to length of the strips.
- 8) Planking the hull by strips 34 and by laser cut parts 35-40 (they are all made from two parts and b).
- 9) Glue keel and stem and stern post 41a-41e to the hull.
- 10) Planking the stern by strips 42 and 43. Then glue parts 209 to the gun ports.
- 11) Make the second planking of the hull. Start it with wales 44 and then planking the hull by other strips 43, 45 and 46.
- 12) Cut out reinforcement construction from the hull.
- 13) Make the boarding of gun ports from parts 49, 50 and 54, 55. Then make steps from parts 47 and 48. Then make the false guns from parts 51-53 and 56-58 and glue them to the deck.
- 14) First glue decks 59 and 60 into the hull. Then glue gratings made from parts 63 and 64 decks 65 into their positions. Then make the boarding of gun ports from parts 61 and 62 and false guns from parts 51-53 and glue them to the deck.
- 15) Glue decks 66 and 67 into the hull. Then cut out the parts of frames which exceed the decks.
- 16, 17) Plank the decks by parts 68a-71. Then make the details as they are shown in the plan. Then make the bow construction from parts 90-95. Then make the boarding of gun ports from parts 96-98. Then plank sides by strips 99 and 100. Then make the guns and install them into their positions. Finally glue beams and reinforcements 116-133 into their positions.
- 18) First glue false decks 137 and 138 into their positions. Then make the fife rail from parts 139-141.
- 19) First glue decks 142 and 143 to the false deck. Then glue strips 146 and 147 to the inner sides of hull. Finally glue parts 144, 145a and 145b to their positions on the bow.

20) Make the guns and stairs and glue them into their places. Then glue wall 151 to its position.

21) First glue supports 163 and boarding 164 into their places. Then make the stern cabin from parts 165-192.

22) First glue parts 193-195 into their positions. Then make the other details and glue them into their positions as it is shown in the plan. ATTENTION!!! Do not glue fore grating to the deck now because there will be need to tie the ropes to the knighthead (see the plan 52).

23) Make the stand from parts 237-239. Then make bordering from parts 230-236 (the bordering is made from three parts-a,b,c). Finally make channels from parts 224-229.

24) Make the railings from parts 240-246. Then glue belaying pins 141 into their positions.

25) Make the railing and belfry as it is shown in the plan.

26) Make the head.

27) Make the stairs and glue them into their positions.

28-30) Make the stern gallery, rudder and decorations.

31) Make gun port hatches and glue them to the hull.

32) Make the mast tops and bowsprit and tie it to the bow.

33-38) Make the mast and yards.

39) Make the boat and anchors. Then install them on their places.

40-48) Make the sails. First draw by pencil contours of the sail on the cloth. To the border of the sails add about 10mm for fell. By the 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 fells and sewn it like it is shown in the plan. To the circumference of the sails sew on ropes 1113 so that in the corner of the sail will eyes with diameters about 3mm. Then tie ropes 114 to the sides of the sails. Tie the sails to the yards by rope 114. Finally tie flags to the flagpoles.

49-57) Install the masts, yards, sails and flags.

58-63) Numbering and position of the parts on laser cut sheets.

64) 1:1 side and deck plan.

Part list:

0a,0b	plywood 4mm	1pc.
0c	plywood 4mm	2pcs.
1-8	plywood 4mm	1pc.
9	plywood 4mm	2pcs.
10-13	plywood 4mm	1pc.
14,15	plywood 4mm	2pcs.
16	plywood 4mm	1pc.
17,18	plywood 4mm	2pcs.
19	plywood 4mm	1pc.
20	plywood 4mm	4pcs.
21	plywood 4mm	1pc.
22,23	plywood 0,8mm	2pcs.
24	plywood 0,8mm	1pc.
25-33	plywood 4mm	2pcs.
34	lime strips 2x5mm	100pcs.
35a-40a	plywood 0,8mm	2pcs.
35b-40b	plywood 0,8mm	2pcs.
41a-41e	wood 3mm	2pcs.
42	strips 2x5mm	8pcs.
43	strips 1x4mm	180pcs.
44	strips 2x5mm	8pcs.
45	strips 2x4mm	16pcs.
46	strips 1x3mm	35pcs.
47,48	veneer 0,6mm	34pcs.
49,50	plywood 0,8mm	56pcs.
51,52	plywood 4mm	54pcs.
53	dummy gun barrel 21mm	54pcs.
54,55	plywood 0,8mm	4pcs.
56,57	wood 2mm	4pcs.
58	gun barrel 28mm	10pcs.
59,60	plywood 0,8mm	2pcs.
61,62	plywood 0,8mm	52pcs.
63	wood 2mm	4pcs.
64	strips 2x2mm	15pcs.
65	veneer 0,6mm	2pcs.
66,67	plywood 0,8mm	2pcs.
68a-70	veneer 0,6mm	1pc.
71a-71d	veneer 0,6mm	2pcs.
72	wood 2mm	9pcs.
73	strips 2x2mm	15pcs.
74a	plywood 0,8mm	1pc.
74b	veneer 0,6mm	1pc.
75	wood 3mm	2pcs.
76	wood 2mm	1pc.
77	veneer 0,6mm	32pcs.
78	plywood 0,8mm	1pc.
79	eyebolt	100pcs.
80	dowel 6mm	3pcs.

81	wood 2mm	8pcs.
82	wood 2mm	2pcs.
83	wood 2mm	4pcs.
84	strips 2x2mm	15pcs.
85	dowel 5mm	1pc.
86	wood 2mm	8pcs.
87	wood 2mm	2pcs.
88	wood 2mm	3pcs.
89	strips 2x2mm	15pcs.
90	plywood 4mm	6pcs.
91	plywood 4mm	4pcs.
92,93	veneer 0,6mm	2pcs.
94	strips 1x4mm	180pcs.
95	veneer 0,6mm	10pcs.
96	plywood 0,8mm	56pcs.
97,98	plywood 0,8mm	28pcs.
99	strips 2x2mm	15pcs.
100	strips 1x3mm	35pcs.
101,102	wood 2mm	28pcs.
103	wood 2mm	56pcs.
104-107	wood 2mm	28pcs.
108,109	wood 2mm	56pcs.
110	gun barrel 36mm	28pcs.
111	paper stripe	-----
112	ring 2mm	350pcs.
112b	wire 0,3mm	500cm
113	rigging hell 0,75mm	20m
114	rigging hell 0,25mm	100m
115	block 2mm-1 hole	280pcs.
116-118	wood 3mm	2pcs.
119-121	wood 3mm	1pc.
122-128	wood 3mm	2pcs.
129-133	wood 3mm	1pc.
134,135	veneer 0,6mm	2pcs.
136	veneer 0,6mm	10pcs.
137,138	plywood 0,8mm	1pc.
139	wood 3mm	2pcs.
140	wood 1,5mm	2pcs.
141	belaying pin 6mm	100pcs.
142-144	veneer 0,6mm	1pc.
145a,145b	veneer 0,6mm	2pcs.
146	strips 2x2mm	15pcs.
147	strips 1x3mm	35pcs.
148,149	veneer 0,6mm	2pcs.
150	veneer 0,6mm	8pcs.
151	plywood 0,8mm	1pc.
152,153	wood 1,5mm	8pcs.
154	wood 1,5mm	16pcs.
155-158	wood 1,5mm	8pcs.
159,160	wood 1,5mm	16pcs.

161	gun barrel 28mm	10pcs.
162	paper stripe	-----
163	wood 2mm	4pcs.
164	veneer 0,6mm	1pc.
165,166	plywood 0,8mm	1pc.
167-170	plywood 0,8mm	2pcs.
171	veneer 0,6mm	1pc.
172-175	veneer 0,6mm	2pcs.
176	wire 1mm	5cm
177	veneer 0,6mm	1pc.
178-181	veneer 0,6mm	2pcs.
182	veneer 0,6mm	6pcs.
183-185	veneer 0,6mm	2pcs.
186,187	veneer 0,6mm	1pc.
188	veneer 0,6mm	8pcs.
189	veneer 0,6mm	16pcs.
190	veneer 0,6mm	1pc.
191a	photoetched part	1pc.
191b	photoetched part	2pcs.
192	photoetched part	6pcs.
193	plywood 0,8mm	2pcs.
194,195	wood 2mm	1pc.
196	wood 3mm	2pcs.
197	wood 3mm	2pcs.
198	wood 1,5mm	1pc.
199	wood 2mm	1pc.
200	wood 2mm	1pc.
201	wood 2mm	3pcs.
202	strips 2x2mm	15pcs.
203	plywood 0,8mm	1pc.
204	veneer 0,6mm	1pc.
205	plywood 0,8mm	1pc.
206	veneer 0,6mm	1pc.
207,208	veneer 0,6mm	1pc.
209	plywood 0,8mm	2pcs.
210	veneer 0,6mm	2pcs.
211,212	veneer 0,6mm	2pcs.
213	veneer 0,6mm	1pc.
214	veneer 0,6mm	1pc.
215	veneer 0,6mm	2pcs.
216	veneer 0,6mm	1pc.
217,218	veneer 0,6mm	2pcs.
219	veneer 0,6mm	1pc.
220,221	veneer 0,6mm	2pcs.
222,223	veneer 0,6mm	1pc.
224	wood 2mm	2pcs.
225	wood 2mm	8pcs.
226	wood 2mm	2pcs.
227a-227g	wood 2mm	2pcs.
228	wood 2mm	2pcs.

229a-229f	wood 2mm	2pcs.
230a-230c	veneer 0,6mm	1pc.
231a-235c	veneer 0,6mm	2pcs.
236a-236c	veneer 0,6mm	8pcs.
237	plywood 4mm	2pcs.
238,239	plywood 4mm	1pc.
240	strips 2x2	15pcs.
241a-244c	veneer 0,6mm	2pcs.
245	plywood 0,8mm	22pcs.
246a-246c	veneer 0,6mm	2pcs.
247	plywood 0,8mm	30pcs.
248a,248b	veneer 0,6mm	1pc.
249a,249b	veneer 0,6mm	2pcs.
250	wood 2mm	2pcs.
251	resin part	1pc.
252	wood 3mm	2pcs.
253	wood 2mm	1pc.
254	wire 0,5mm	20cm
255	plywood 0,8mm	58pcs.
256a,256b	veneer 0,6mm	1pc.
257a-258b	veneer 0,6mm	2pcs.
259	plywood 0,8mm	62pcs.
260a,260b	veneer 0,6mm	1pc.
261a,261b	veneer 0,6mm	2pcs.
262a	wood 1,5mm	2pcs.
262b	veneer 0,6mm	2pcs.
263	wood 1,5mm	2pcs.
263a	wood 1,5mm	2pcs.
263b	veneer 0,6mm	2pcs.
264	wood 1,5mm	4pcs.
265	wood 2mm	8pcs.
266	veneer 0,6mm	4pcs.
267-270	wood 2mm	1pc.
271a-272d	veneer 0,6mm	1pc.
273a	veneer 0,6mm	4pcs.
273b-273d	veneer 0,6mm	2pcs.
274	wood 3mm	4pcs.
275a	veneer 0,6mm	2pcs.
275b	wood 1,5mm	2pcs.
276a	veneer 0,6mm	2pcs.
276b	wood 1,5mm	2pcs.
277a	veneer 0,6mm	2pcs.
277b	wood 1,5mm	2pcs.
278a-278e	veneer 0,6mm	2pcs.
279	veneer 0,6mm	16pcs.
280-285	veneer 0,6mm	2pcs.
286	veneer 0,6mm	16pcs.
287-288	veneer 0,6mm	2pcs.
289-292	veneer 0,6mm	4pcs.
293	veneer 0,6mm	16pcs.

294-295	veneer 0,6mm	2pcs.
296-299	veneer 0,6mm	4pcs.
300-326	plywood 0,8mm	2pcs.
327	wood 2mm	2pcs.
328-351	plywood 0,8mm	2pcs.
352	veneer 0,6mm	2pcs.
353	wire 0,5mm	20cm
354	photoetched part	9pcs.
355-363	photoetched part	1pc.
364	wood 1,5mm	8pcs.
365	veneer 0,6mm	2pcs.
366a-367b	wood 2mm	2pcs.
368	veneer 0,6mm	2pcs.
369	veneer 0,6mm	1pc.
370,371	plywood 0,8mm	2pcs.
372	photoetched part	2pcs.
373	photoetched part	1pc.
374	photoetched part	6pcs.
375,376	resin part	1pc.
377	photoetched part	6pcs.
378	photoetched part	3pcs.
379	photoetched part	18pcs.
380,381	resin part	3pcs.
382	wood 3mm	2pcs.
383	stern painting	1pc.
384	photoetched part	4pcs.
385-387	photoetched part	2pcs.
388	photoetched part	1pc.
389	resin part	6pcs.
390	veneer 0,6mm	9pcs.
391	veneer 0,6mm	1pc.
392	veneer 0,6mm	2pcs.
393,394	veneer 0,6mm	1pc.
395	plywood 0,8mm	3pcs.
396	plywood 0,8mm	64pcs.
397,398	photoetched part	2pcs.
399	photoetched part	2pcs.
400	resin part	16pcs.
401,402	plywood 0,8mm	4pcs.
403,404	resin part	2pcs.
405,406	resin part	1pc.
407	photoetched part	16pcs.
408	veneer 0,6mm	9pcs.
409a	photoetched part	4pcs.
409b	photoetched part	2pcs.
410	resin part	2pcs.
411a-411e	plywood 0,8mm	2pcs.
412a	wood 2mm	2pcs.
412b-f	plywood 0,8mm	2pcs.
412g	wood 2mm	2pcs.

413a	plywood 0,8mm	10pcs.
413b	wood 2mm	2pcs.
414a	plywood 0,8mm	12pcs.
414b	wood 2mm	2pcs.
415	plywood 0,8mm	12pcs.
416a-416e	plywood 0,8mm	2pcs.
417	wood 2mm	2pcs.
418,419	resin part	1pc.
420	plywood 0,8mm	2pcs.
421	resin part	1pc.
422	resin part	6pcs.
423	wood 2mm	56pcs.
424	veneer 0,6mm	56pcs.
425	photoetched part	112pcs.
426a	ring 2mm	350pcs.
426b	wire 0,3mm	300cm
427	wood 2mm	20pcs.
428	veneer 0,6mm	20pcs.
429	photoetched part	40pcs.
430	wood 2mm	10pcs.
431	veneer 0,6mm	10pcs.
432	photoetched part	20pcs.
433	wood 2mm	2pcs.
434	veneer 0,6mm	2pcs.
435	photoetched part	4pcs.
436	resin part	8pcs.
437	resin part	2pcs.
438	dowel 10mm	3pcs.
439	wood 3mm	2pcs.
440	veneer 0,6mm	1pc.
441	wood 2mm	1pc.
442	wire 0,5mm	20cm
443,444	veneer 0,6mm	2pcs.
445	wood 2mm	4pcs.
446	wood 2mm	4pcs.
447	veneer 0,6mm	24pcs.
448	photoetched part	36pcs.
449	block deadeye 3,5mm	75pcs.
450	veneer 0,6mm	1pc.
451	veneer 0,6mm	2pcs.
452,453	veneer 0,6mm	2pcs.
454	wood 2mm	4pcs.
455	wood 1mm	4pcs.
456	veneer 0,6mm	24pcs.
457	photoetched part	26pcs.
458	block deadeye 2,5mm	53pcs.
459	veneer 0,6mm	1pc.
460	veneer 0,6mm	2pcs.
461	rigging dark 0,25mm	60m
462	rigging dark 0,5mm	5m

463	rigging dark 0,75mm	10m
464	rigging dark 1mm	10m
465	dowel 5mm	1pc.
466	wood 3mm	16pcs.
467	dowel 3mm	2pcs.
468	dowel 3mm	2pcs.
469	wire 0,5mm	20cm
470,471	wood 1mm	8pcs.
472	wood 3mm	10pcs.
473	wood 3mm	24pcs.
474	dowel 8mm	5pcs.
475	wood 2mm	6pcs.
476	dowel 6mm	3pcs.
477	strips 1x1mm	1pc.
478	dowel 3mm	2pcs.
479	dowel 10mm	3pcs.
480	wood 2mm	4pcs.
481	dowel 8mm	5pcs.
482	dowel 6mm	3pcs.
483	dowel 3mm	2pcs.
484	dowel 10mm	3pcs.
485	dowel 8mm	5pcs.
486	dowel 6mm	3pcs.
487	dowel 3mm	2pcs.
488	wood 2mm	4pcs.
489	wood 1mm	6pcs.
490	photoetched part	6pcs.
491	block 3mm-1 hole	100pcs.
492	photoetched part	14pcs.
493	block 5mm-1 hole	30pcs.
494	block 7mm violin	22pcs.
495	block deadeye 5mm	88pcs.
496	photoetched part	54pcs.
497	photoetched part	54pcs.
498	photoetched part	40pcs.
499-501	wood 2mm	2pcs.
502	rigging hell 0,5mm	20m
503	wood 1,5mm	6pcs.
504	wood 1mm	18pcs.
505	block 5mm-2 holes	10pcs.
506	block 5mm-3 holes	3pcs.
507	block 7mm-3 holes	7pcs.
508	rigging hell 2mm	1,5m
509a	veneer 0,6mm	4pcs.
509b	veneer 0,6mm	2pcs.
510a	veneer 0,6mm	2pcs.
510b	veneer 0,6mm	1pc.
511	veneer 0,6mm	30pcs.
512	roller	250pcs.
513	veneer 0,6mm	84pcs.

514	wood 1mm	9pcs.
515	wood 2mm	8pcs.
516	dowel 8mm	3pcs.
517	dowel 5mm	1pc.
518	dowel 3mm	2pcs.
519	-----	-----
520	dowel 6mm	3pcs.
521	dowel 4mm	2pcs.
522	dowel 8mm	5pcs.
523	dowel 6mm	3pcs.
524	dowel 4mm	2pcs.
525	dowel 6mm	3pcs.
526	dowel 3mm	2pcs.
527	wood 3mm	1pc.
528	dowel 3mm	2pcs.
529	block 3mm-2 holes	7pcs.
530,531	wood 2mm	1pc.
532	resin part	2pcs.
533	-----	-----
534	resin part	4pcs.
535	wood 2mm	6pcs.
536	photoetched part	8pcs.
537	ring 10mm	2pcs.
538	photoetched part	2pcs.
539-551	cloth	1pc.
552-559	flags	1pc.