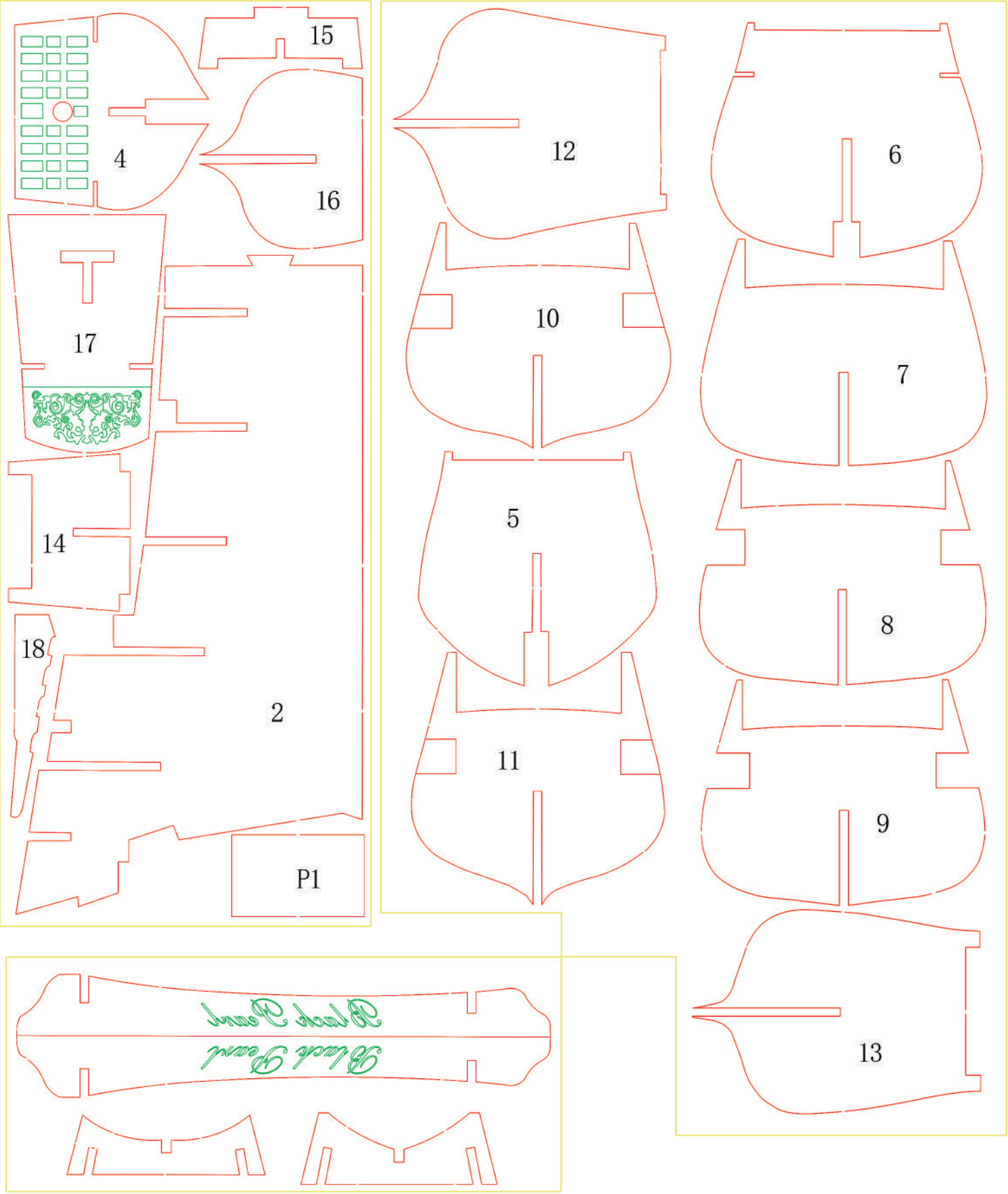珍珠号图纸1　Pearl number 1

珍珠号图纸2

Pearl number 2

尾杆制作

90mm

尾杆制作

90mm

175mm

139mm

135mm

188mm

218mm

前杆制作

90mm

128mm

175mm

176mm

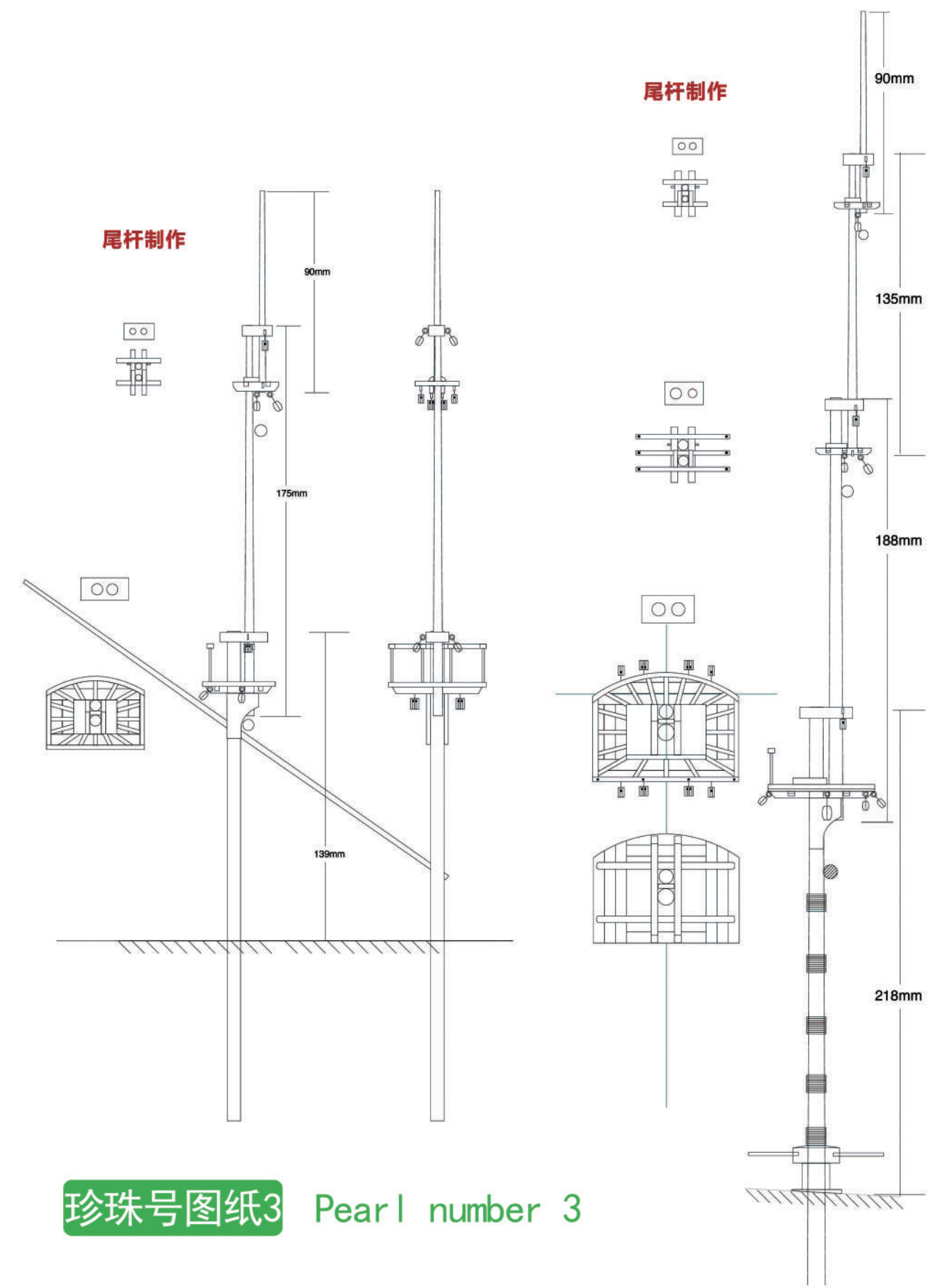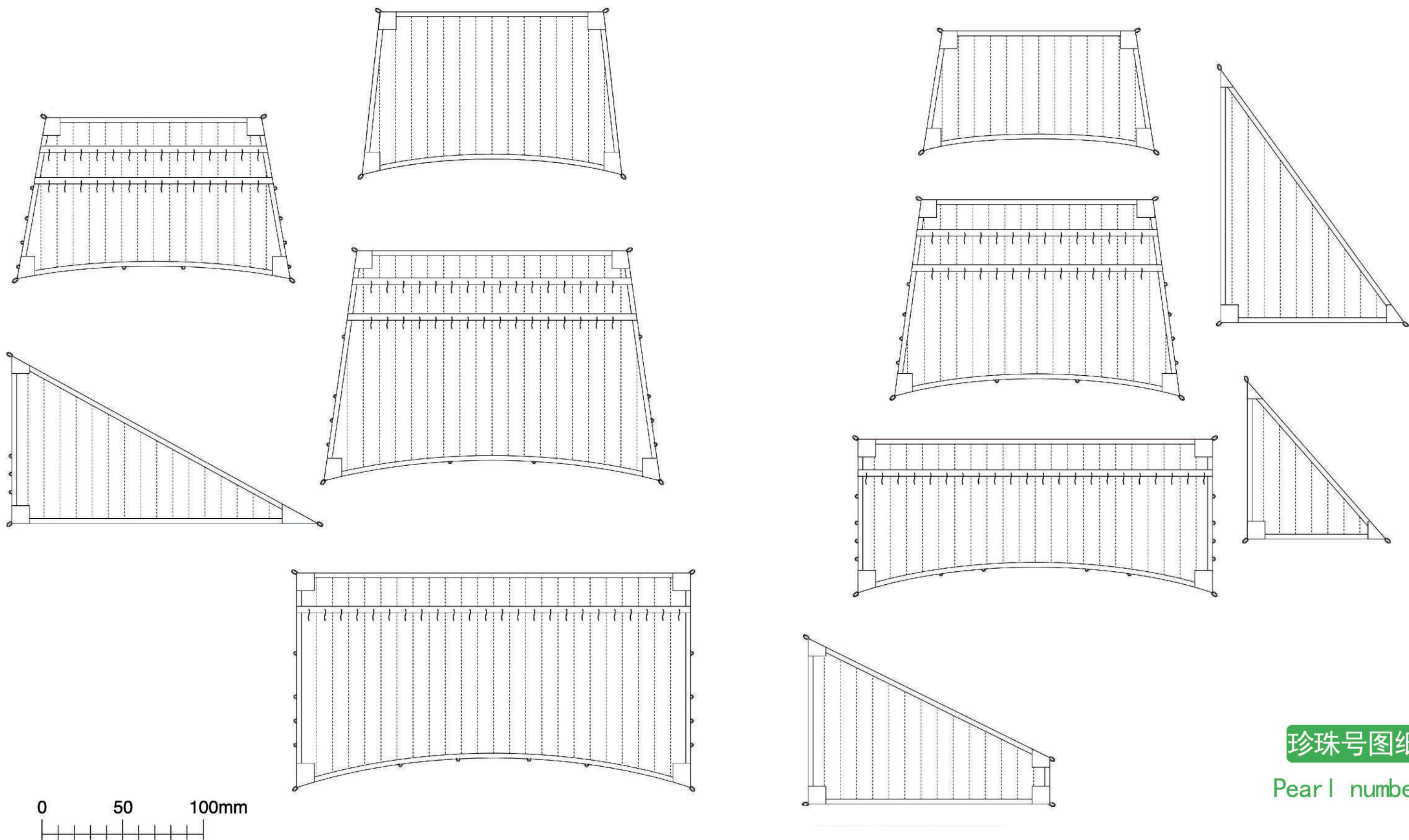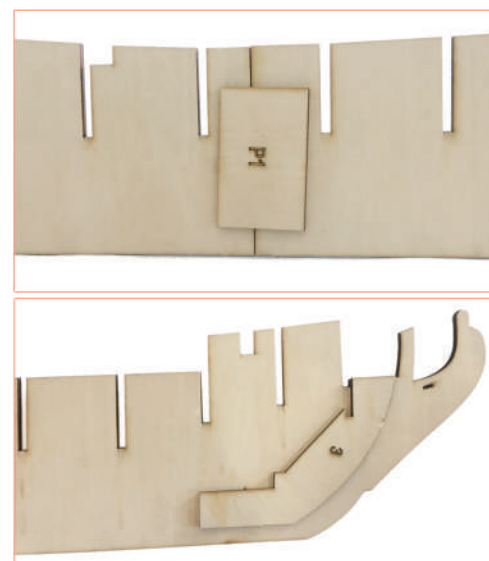珍珠号图纸4

Pearl number 4

0　　50　　100mm
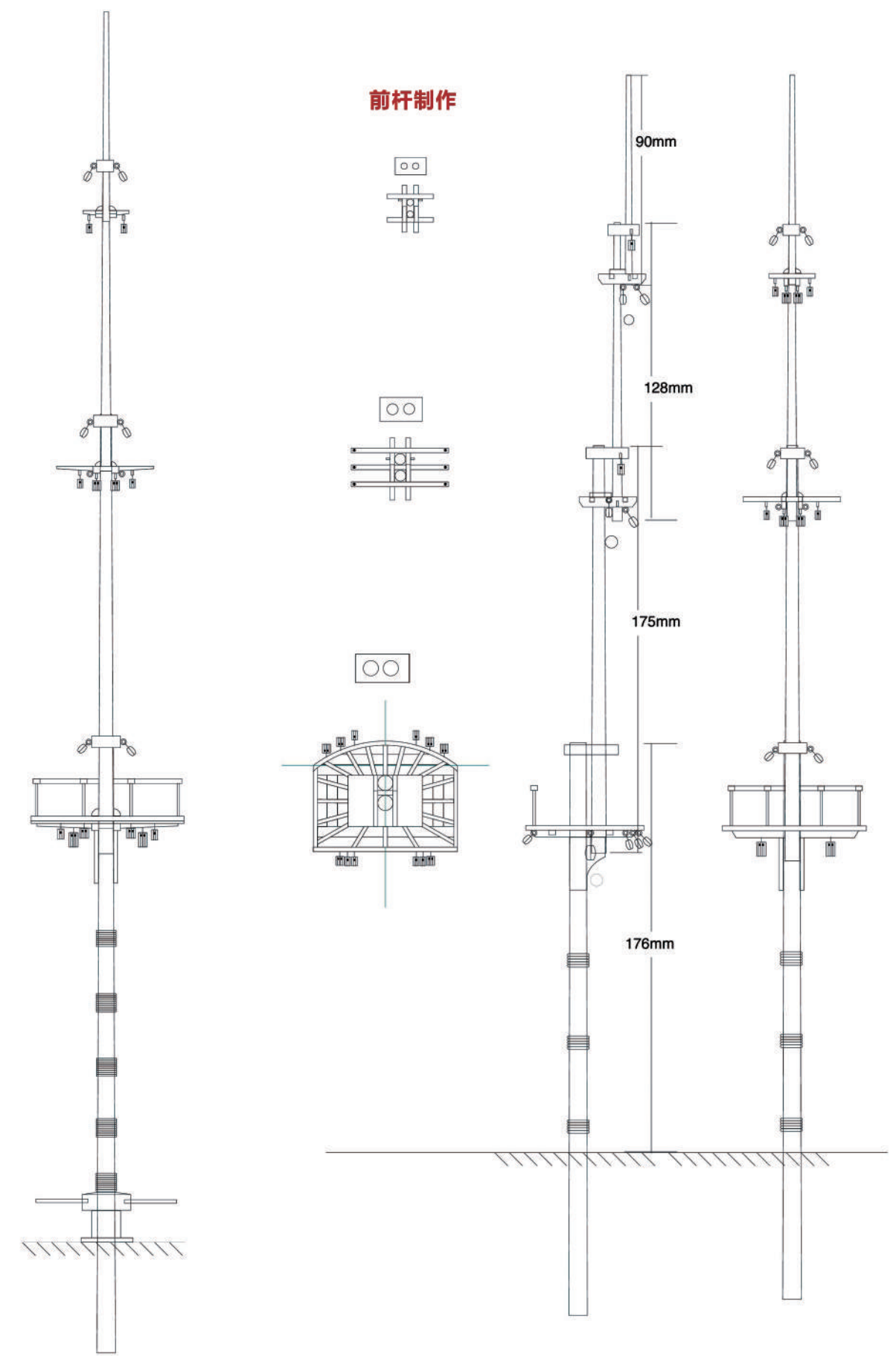
珍珠号安装过程1 Pearl installation process 1

将物品摆放在平整的桌面上，保持2块龙骨平直对接，2块龙骨的底部保持在一条直线上。

Lay the pieces on a flat table, joint the two keels and ensure they attach to each other well without and seams.
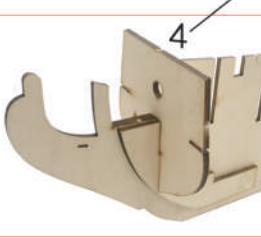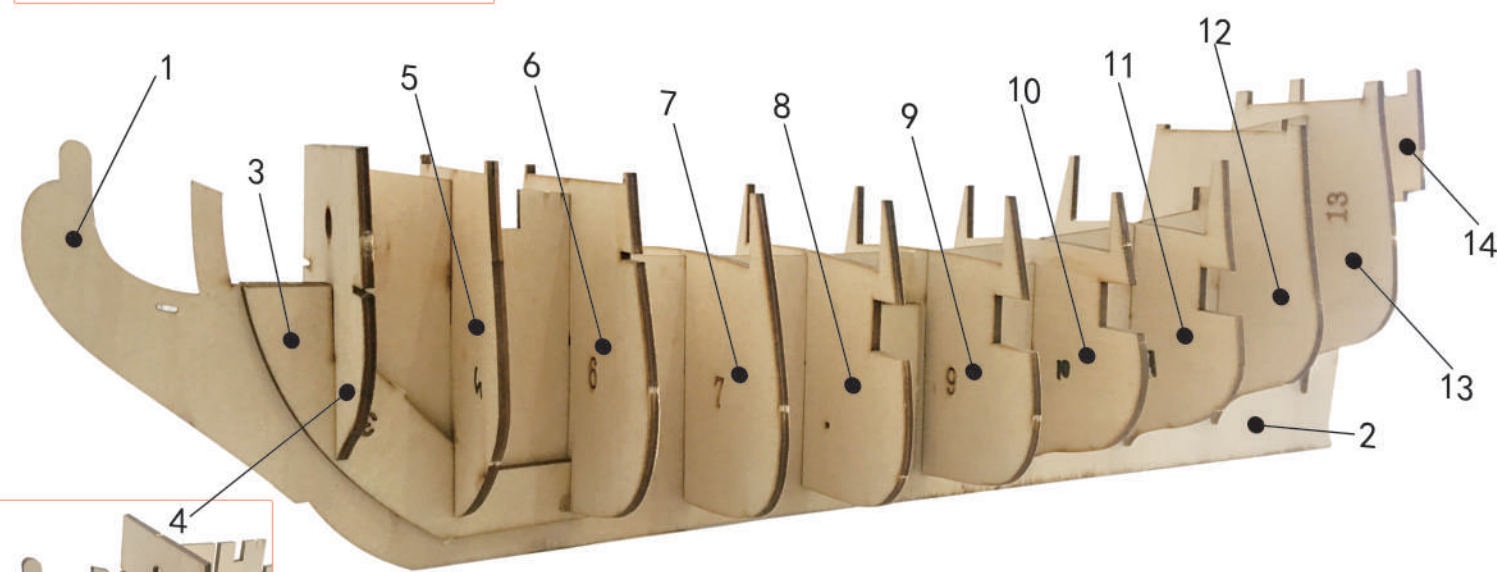
将板件P1、P2粘贴在2块龙骨衔接之处（正反各一块），起到加固作用。

The plate P1 and P2 are pasted at the junction of two keels(one for each side) to reinforce the effect.

将3号部件的圆弧边缘沿虚线成45度角打磨，此目的为下一步粘贴木条提供方便。

Take the doted line as reference to polish the arch rim of Item No.3 into 45⁰ in order to make the folowing plank attaching process much easier.
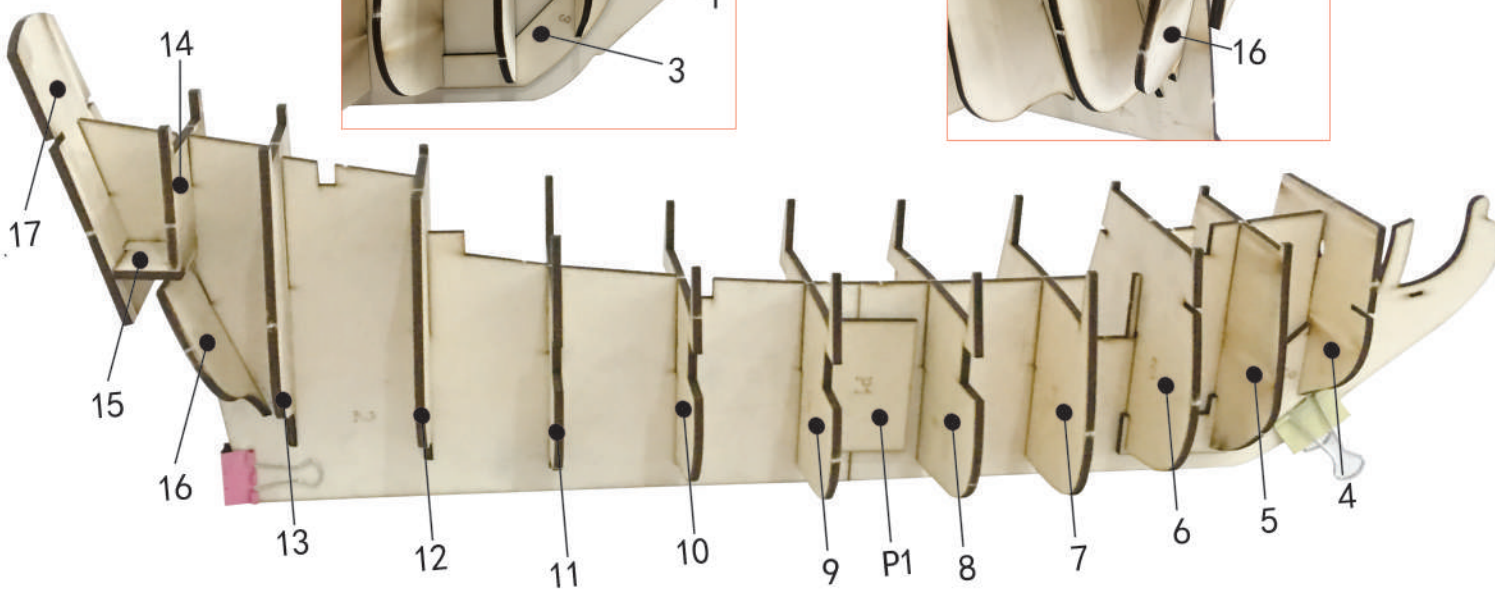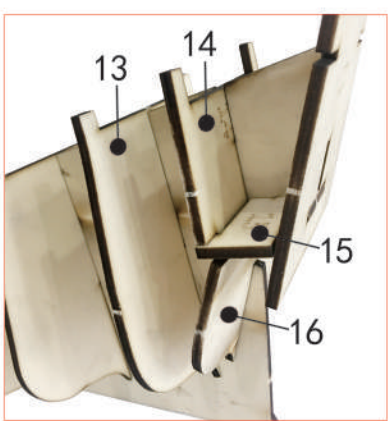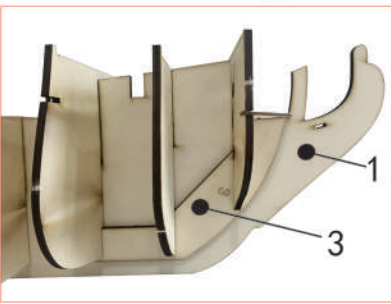
安装肋骨时如果感觉过紧，不要强行插入龙骨。打磨卡槽内侧，拓宽卡槽后再安装。

When you asemble the ribs,if you feel that the grooves are too smal to insert in,do not that by force.Please widen the grooves by polishing,and give it another try.
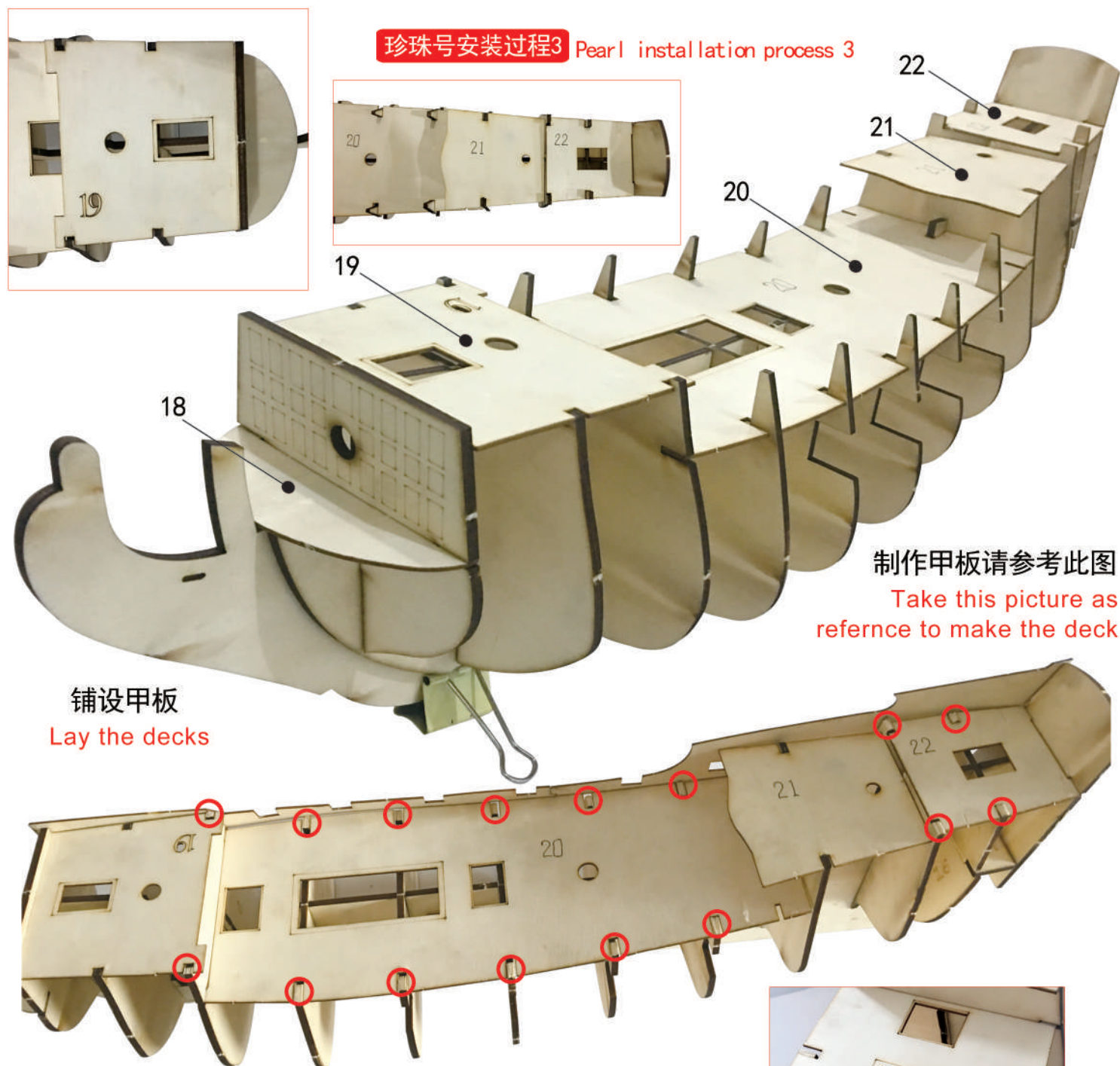
珍珠号安装过程2

Pearl installation process 2
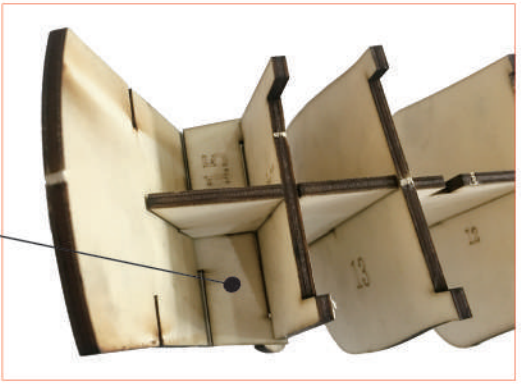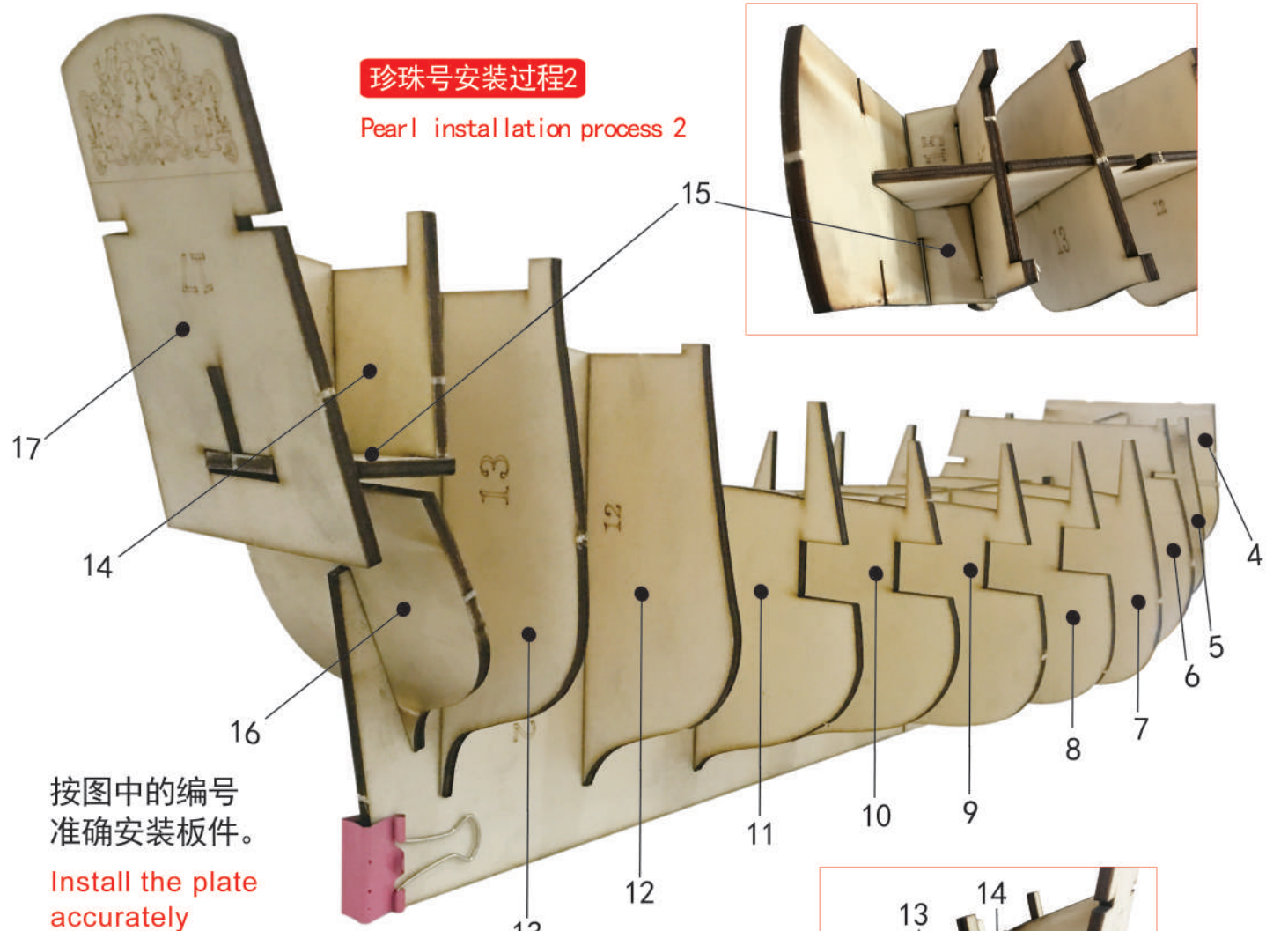
按图中的编号准确安装板件。

Install the plate accurately according to the number in the drawing.

珍珠号安装过程3 Pearl installation process 3

22
21
20
19
18

制作甲板请参考此图
Take this picture as refernce to make the deck

铺设甲板
Lay the decks

将突出的助骨（上图中用红色圈圈起来的部分）去掉，保持与甲板是同一个面，以便于后期甲板木皮的铺设。

Remove the prominent bones (the part circled in red in the picture above) and keep the deck on the same side so as to facilitate the laying of deck veneer in the later stage.
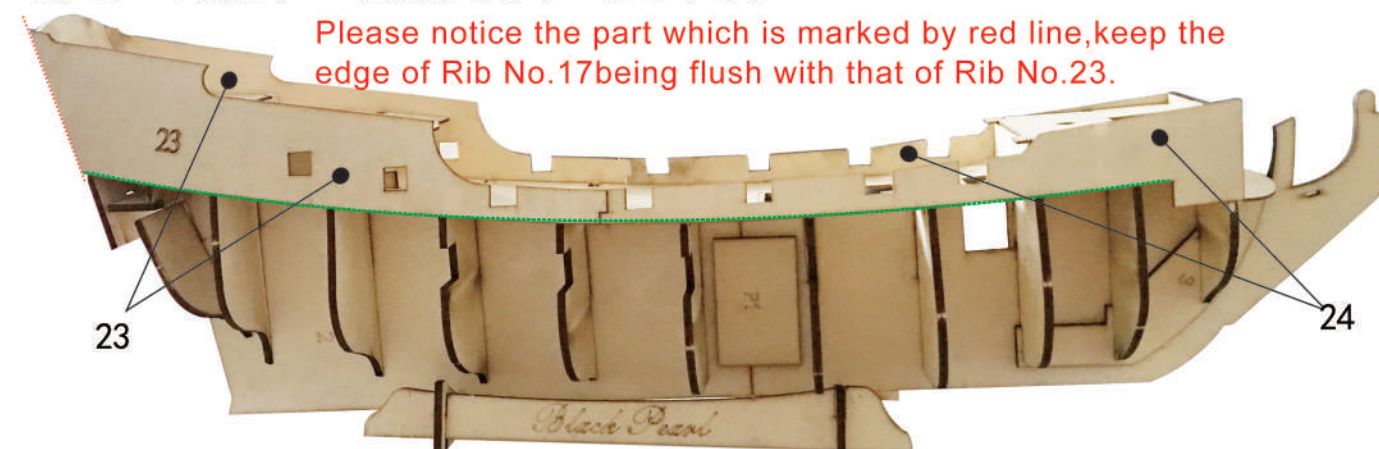
珍珠号安装过程4

Pearl installation process 4

甲板紧贴肋骨粘贴起来。甲板的纵向左右2达略有向下弯曲，呈弧状。

Deck should be assembled close to ribs,Both sides lf the deck(longitudinal) shouldbemade bend downward to a certain extent,likearch.
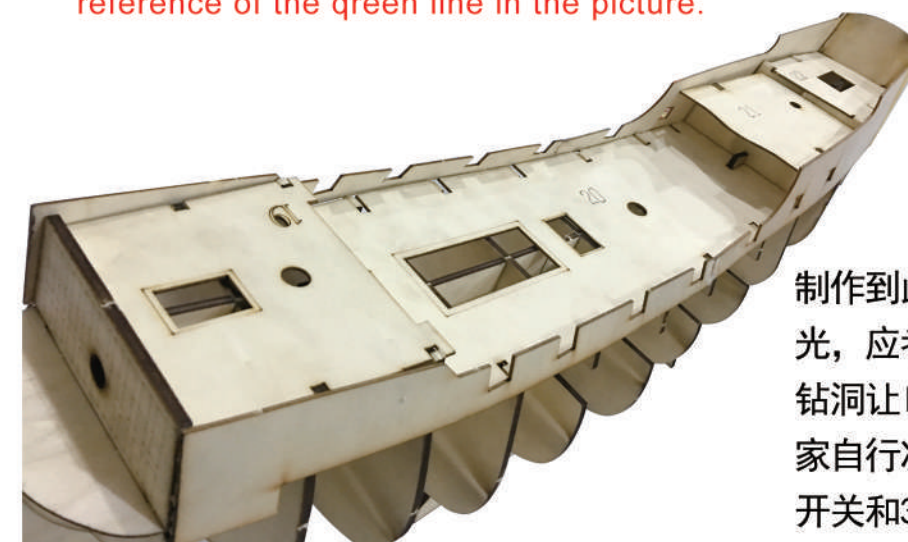
请注意红线部分，17号肋骨边缘与23号边缘对平。

Please notice the part which is marked by red line,keep the edge of Rib No.17being flush with that of Rib No.23.

23
24
23

23和24号板件底部应与甲板齐平，请参考图中绿线。
Keep the bottom lf Panel No.23andNo.24 being flush with the deck.please take the reference of the qreen line in the picture.

制作到此步骤，如果你需要安装船长室灯光，应考虑在17号助骨（或其它肋骨）上钻洞让led灯能够穿过（具体走线思路请玩家自行决定）本套材只提供电线和led灯。开关和3V扣子电池玩家自行采购。

When you are at this step,if you need to install light in the captain room,you have to consider to dril holes on Rib No.17(or other ribs)for instaling LED and other acessories.The detailed plan of the light system should be settled downby yourselves.Onlywires and LEDare provided in this kit,andyou have to buy the swich and the 3Vbuton cell by yourself.

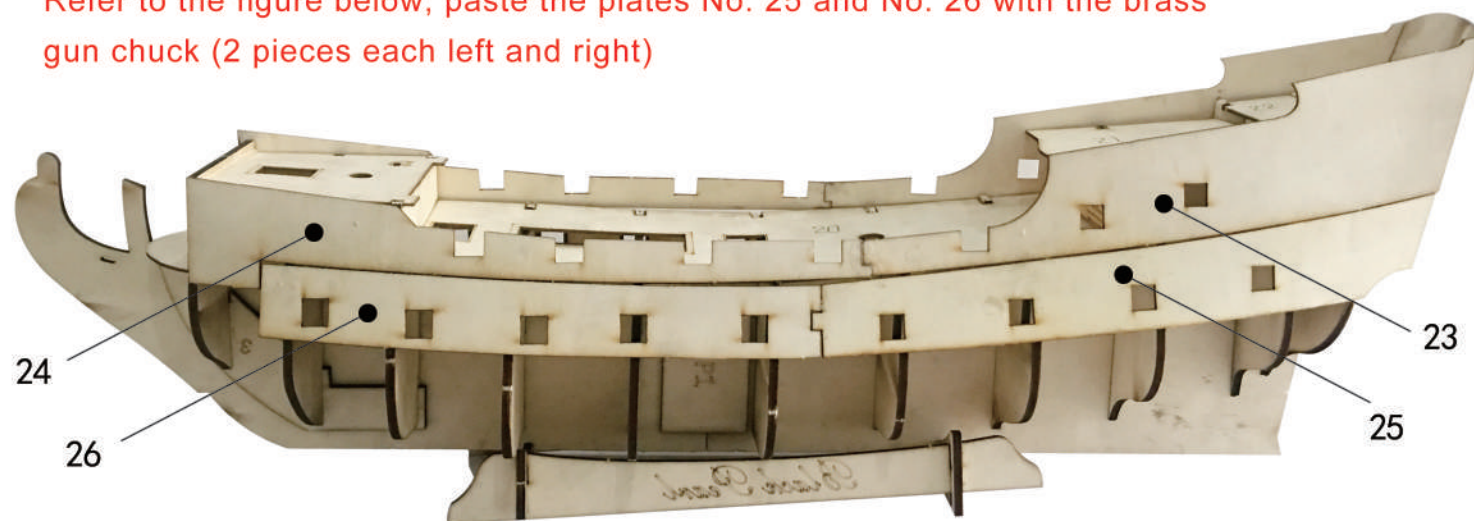珍珠号安装过程5　Pearl installation process 5
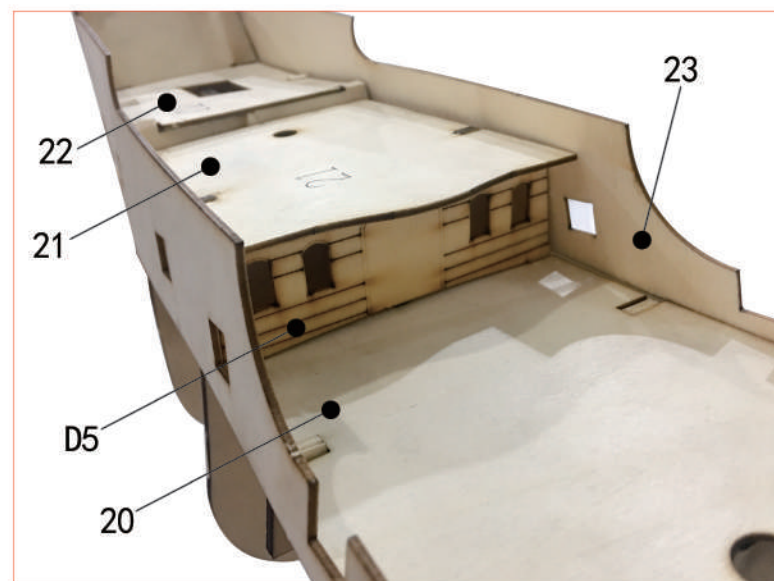
甲板木皮的粘贴可以在船身制作好之后现铺设，现在铺设也没有问题。

You can do the plank work for deck after the hult is done,or you can do that now.
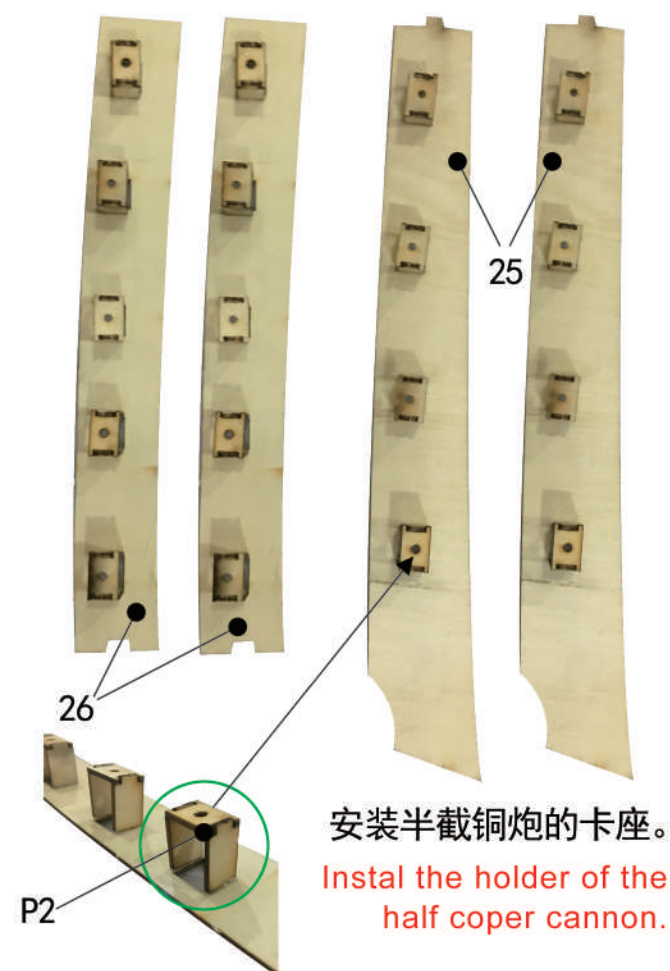
安装半截铜炮的卡座。

Instal the holder of the half coper cannon.

参照下图将安装好铜炮卡座的25号、26号板件粘贴好（左右各2片）

Refer to the figure below, paste the plates No. 25 and No. 26 with the brass gun chuck (2 pieces each left and right)

甲板安装好以后，涂抹少量的原子灰填补缝隙，这样也可以起到对船体的加固作用。

After the deck is done,use some putty powder to fill seam,and also it can enhance the hull.

珍珠号安装过程6　Pearl installation process 6

粘贴桐木条 Pasting tung tree strips

打磨此部分
Polish this part.

木条泡至水中几分钟，然后拿出用电烙铁烫至你需要的弧度，因为强行弯曲很容易折断。

Immerse planks into water for several minutes,and use iron to make them into certain arch after that at your will,what you have done is to avoid the break-off of planks.

将处于弧度较大处的助骨边缘进行打磨，这样增加接触面积主粘贴桐木条。

Polish the edges of the ribs where the arch is elatively large,in this way will the contact surface be enlarged to make it xonvenient to atach the fortune paulownia wood palnks.

完成后涂抹薄薄的一层原子灰，然后用沙纸打磨平整。

When finished, apply a thin layer of atomic ash. Then sandpaper is used to smooth the surface.
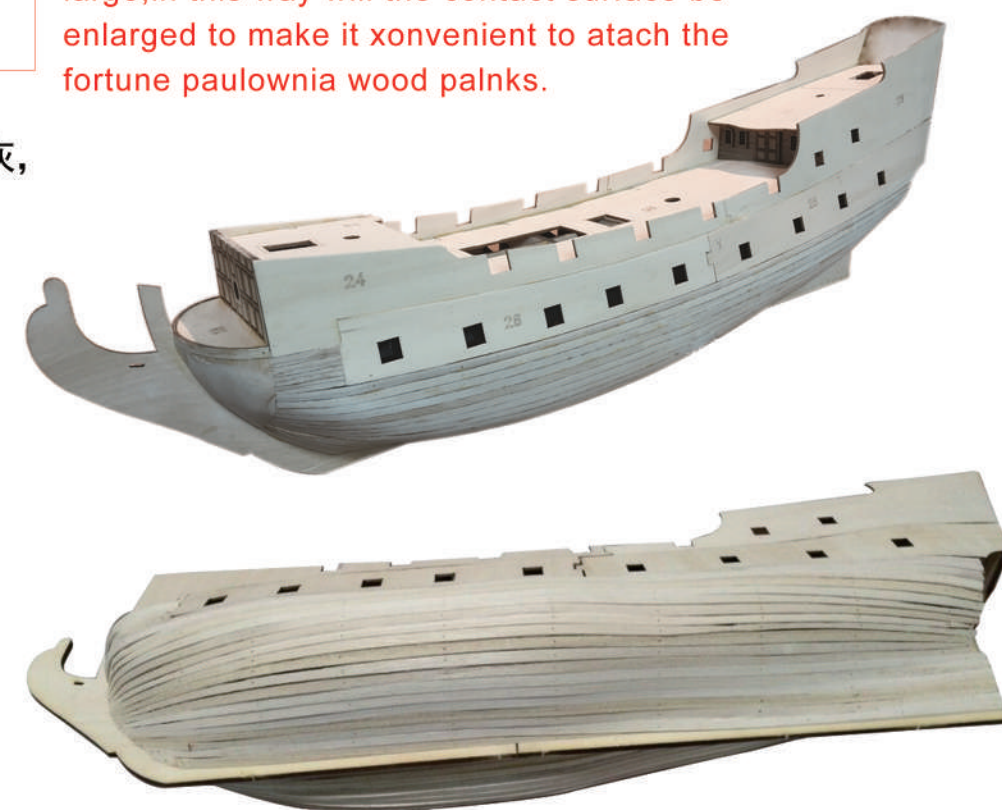
珍珠号安装过程7　Pearl installation process 7

粘贴黑胡桃木皮 Sticking Black Walnut Peel

甲板木皮铺设：注意从中间纵向位置铺设，然后往两边延伸。每根甲板木皮截取为10cm长，交错铺设在甲板上。

When you lay the deck:notice that you should lay from the middle line in the vertical direction,then spread to the two sides.The length of every plank for deck is 10cm,and lay them on the deck interlacedly.

注意胶水使用，保持甲板干净整洁。

Pay attention to the use of glue,and keep the deck clean and tidy.

如图粘贴黑胡桃木皮

As shown in the picture:the plank is walnut wood.
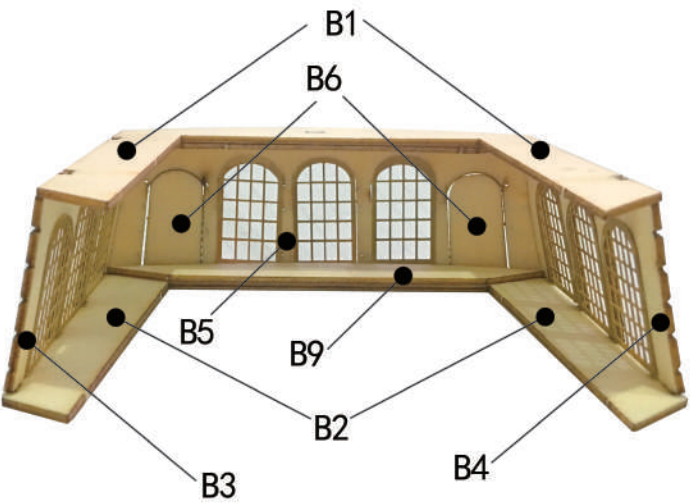
使用水性砂纸轻轻的打磨粘贴好的木皮。

Use waterborne sandpaper to gently Polish and paste the good wood skin.

木皮沿自然方向粘贴，不要故意将木皮扭曲，这样会使得木皮拱起。

Paste the skin along the natural direction, do not intentionally distort the skin, this will make the skin arched.
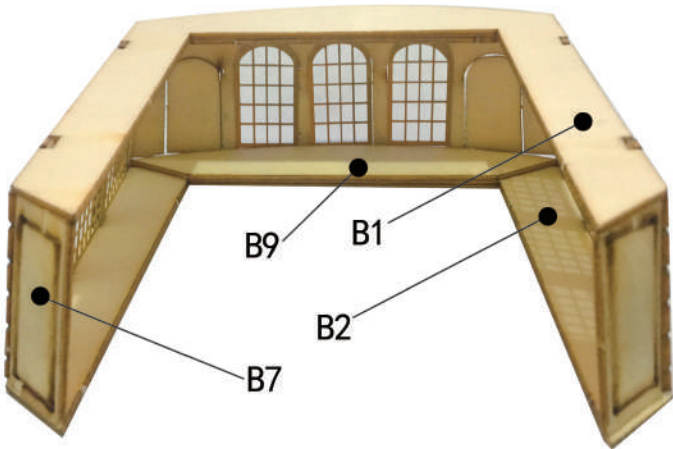
珍珠号安装过程8

Pearl installation process 8

窗户内侧贴上透明塑料效果更好。

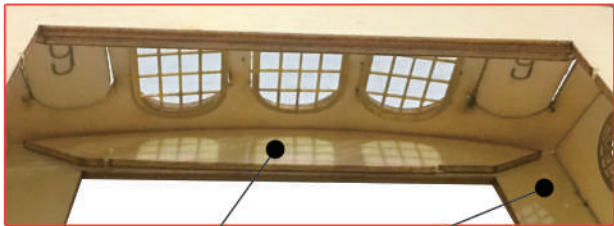The inside of the window is more effective with transparent plastic.

至此尾楼制作完成。
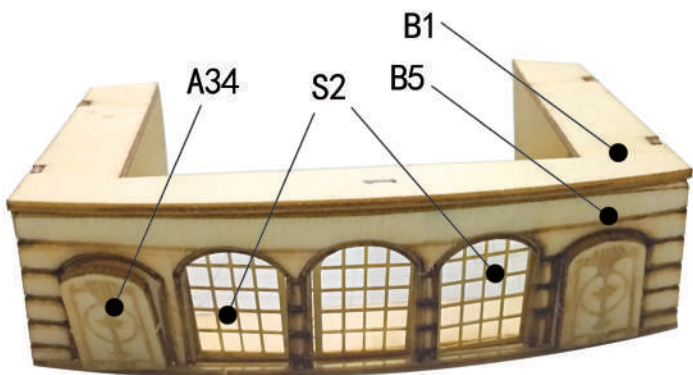At this point, the end of the building was completed.

将尾楼如右图安装至船身。
Install the tail tower on the hull as shown on the right.

B8位于B1于背面。

B8 is located at the back of B1.

A34号雕花粘贴在B6号上。

The carving pattern of A34 shoudbe attachedto B6.

B5安装完毕后就成圆弧状。

After B5is done,it should be arch-like.

珍珠号安装过程9   *Pearl installation process 9*

根据尾楼的顶部形状自行制作。

DIY the pine wood square pillar according to the shape of the poop top.

将原子灰填补在空隙间，楼顶保持一定弧状。

Fill the putty powder into the seams, keep the arch of the roof to some extent.

原子灰干了以后至少再补一次，填平。

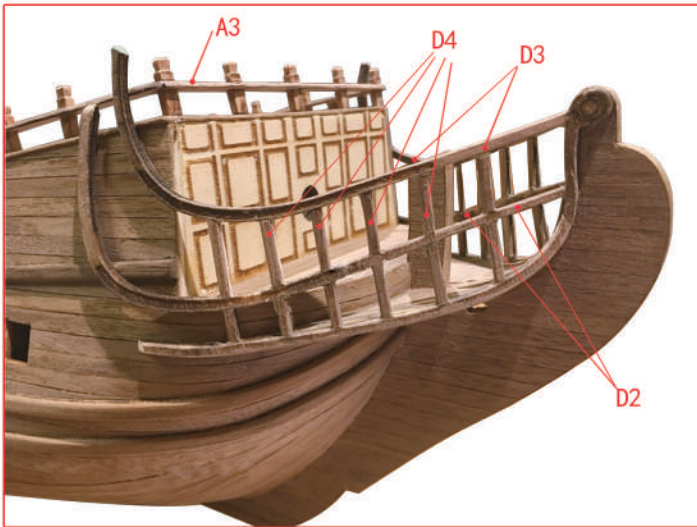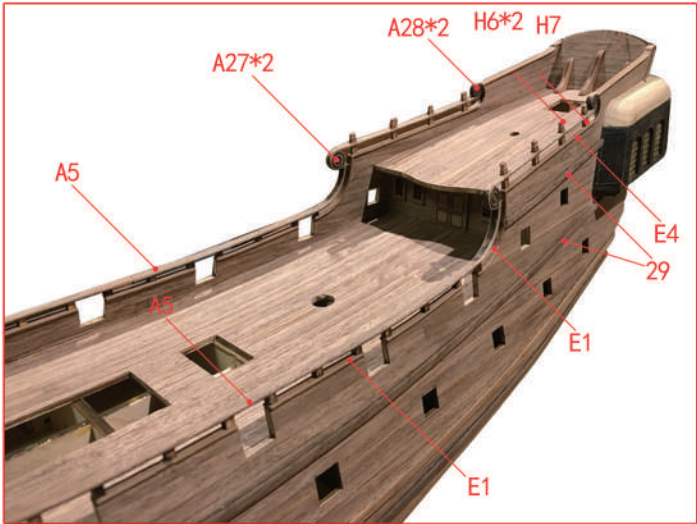After the putty powder layer is dried, do it once again at least to make the surface plat.
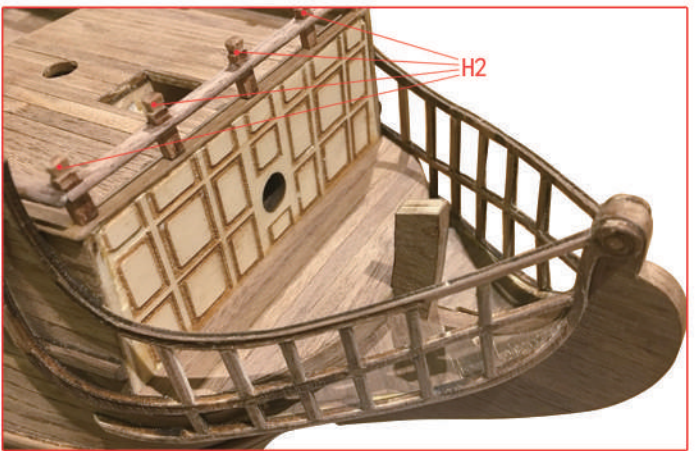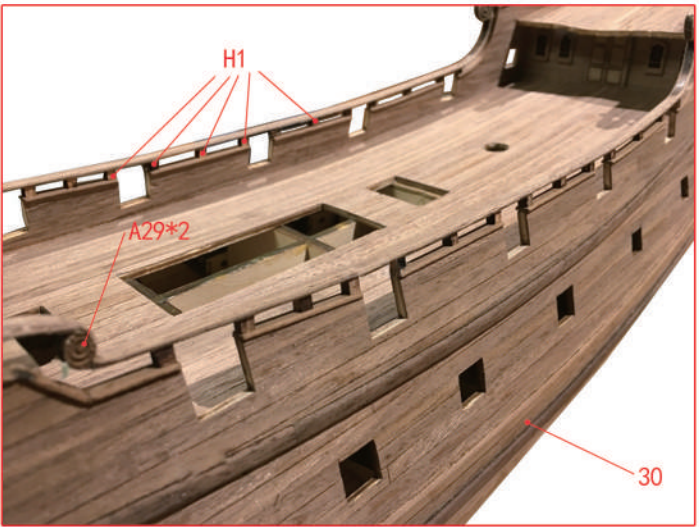
平行标记线的制作

Production of parallel marking lines

让效果更好，注意制作任何部件，请使用锉刀或者电动工具将其棱角处打磨圆滑。

For better results, pay attention to making any parts, use a file or power tool to smooth the edges and corners.

珍珠号安装过程10

Pearl installation process 10

扶手的制作

**Production of handrails**

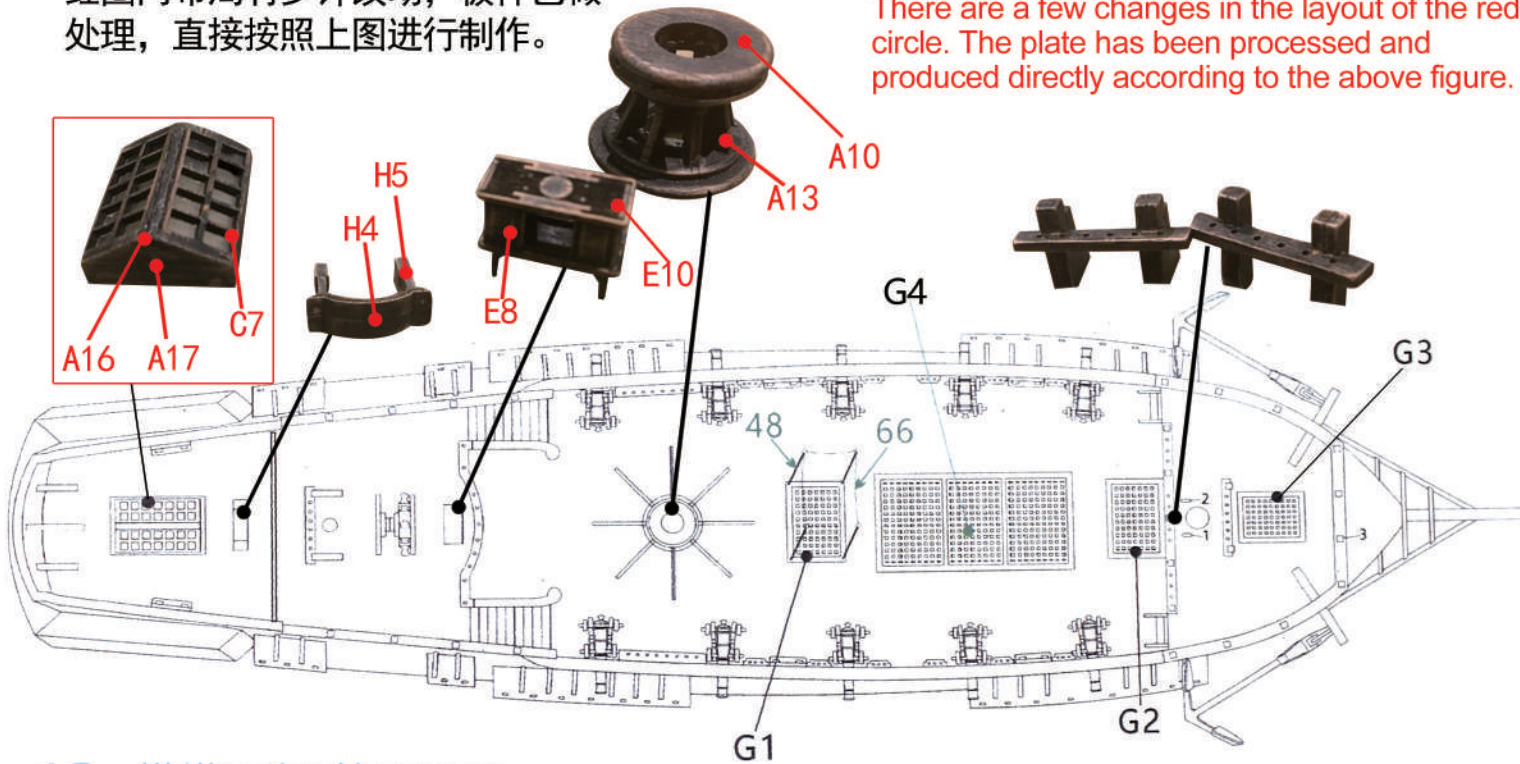**珍珠号安装过程11** Pearl installation process 11

接下来由于制作的零件较多，难度不同。由于没有关联，每个部分都能独立制作，所以制作顺序不分先后，可根据实际情况自行安排制作。

Next, due to the large number of parts produced, the difficulty is different. Since there is no connection, each part can be produced independently, so the production order is not divided, and it can be arranged according to the actual situation.
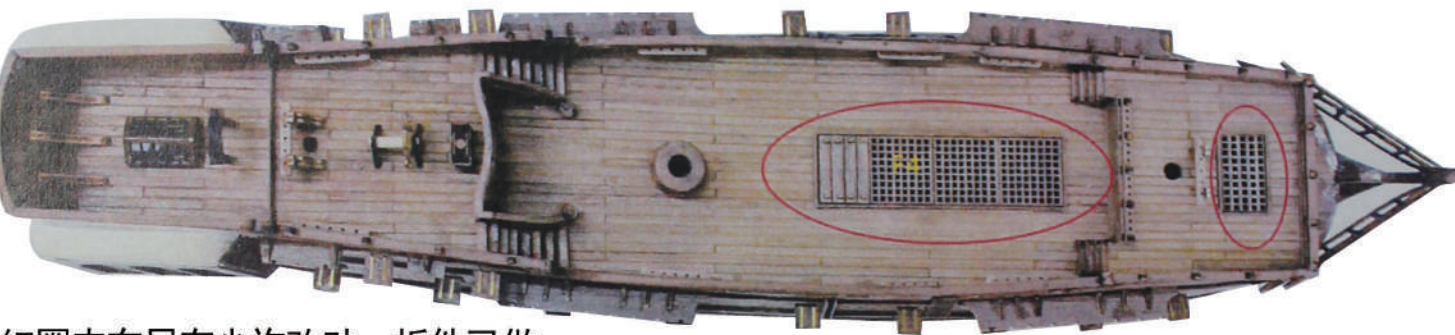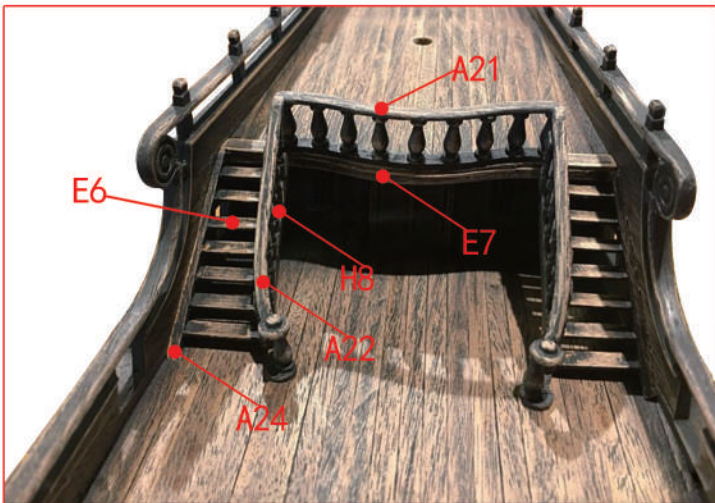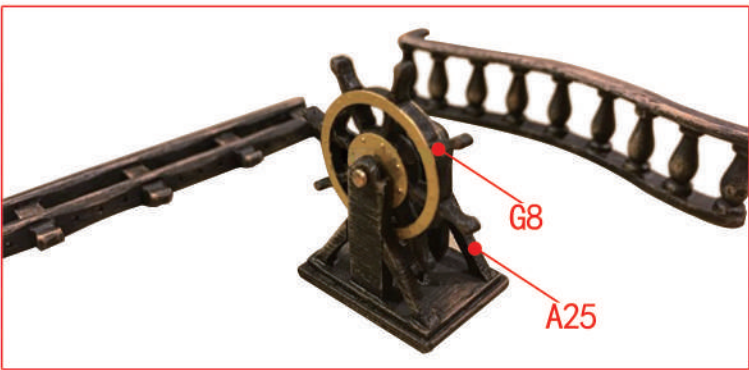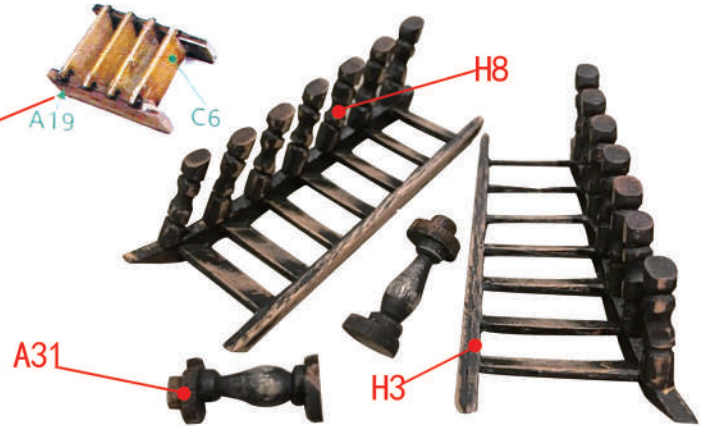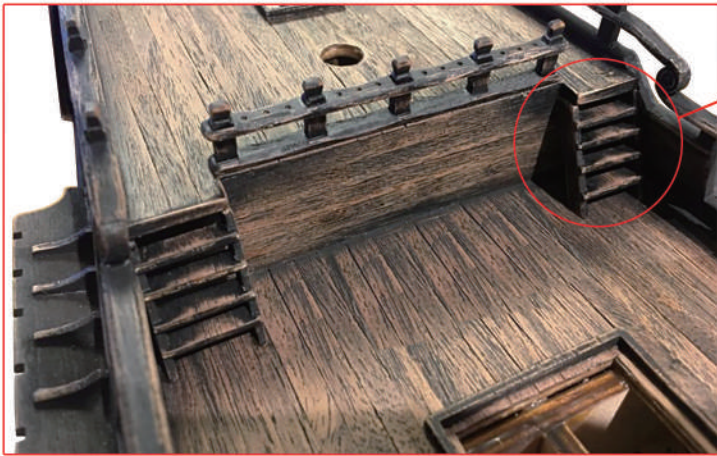
红圈内布局有少许改动，板件已做处理，直接按照上图进行制作。

There are a few changes in the layout of the red circle. The plate has been processed and produced directly according to the above figure.

珍珠号安装过程12 Pearl installation process 12

制作安装主甲板台阶扶手 Make and install armrests on main deck steps

全船涂色，一般涂两便。涂色不留死角。
The whole ship is painted, generally painted twice. Color does not leave a dead corner.
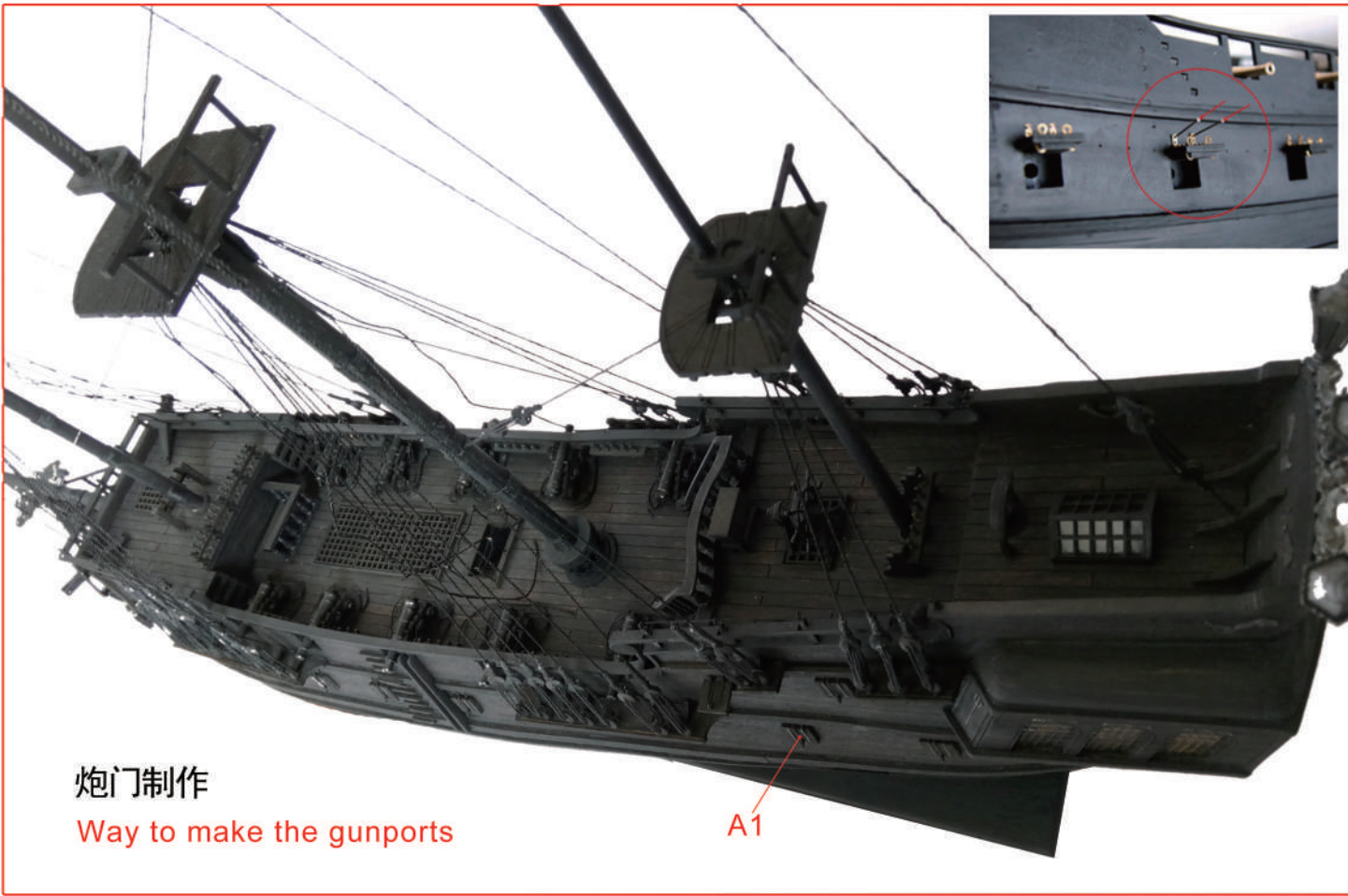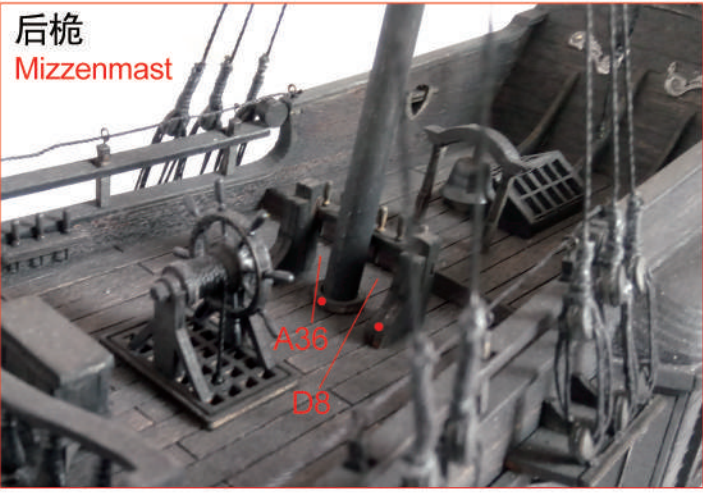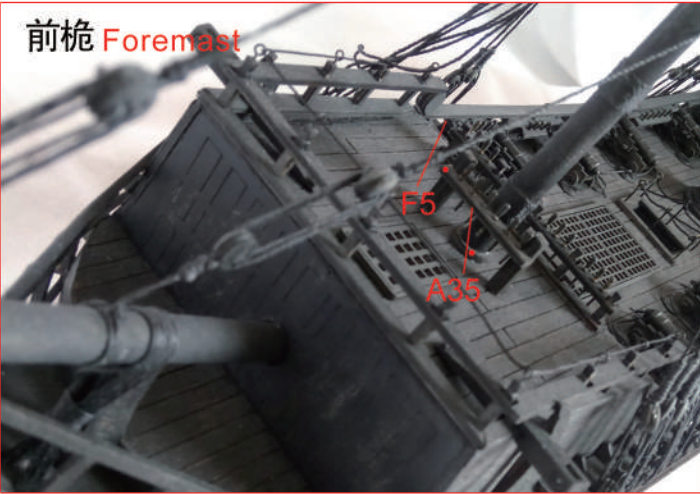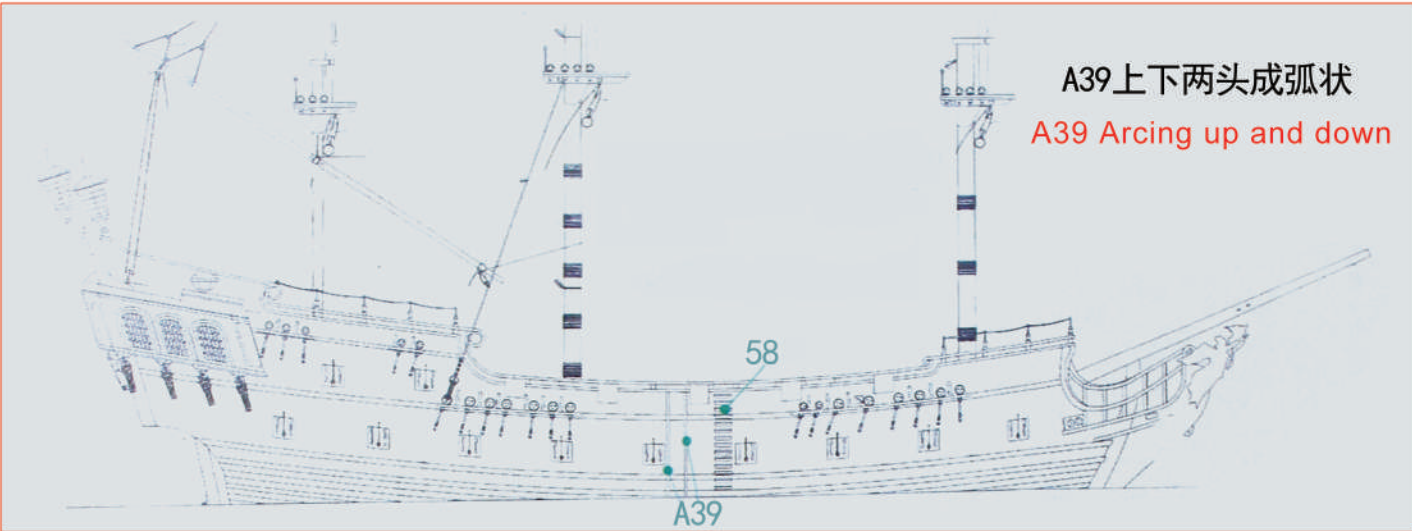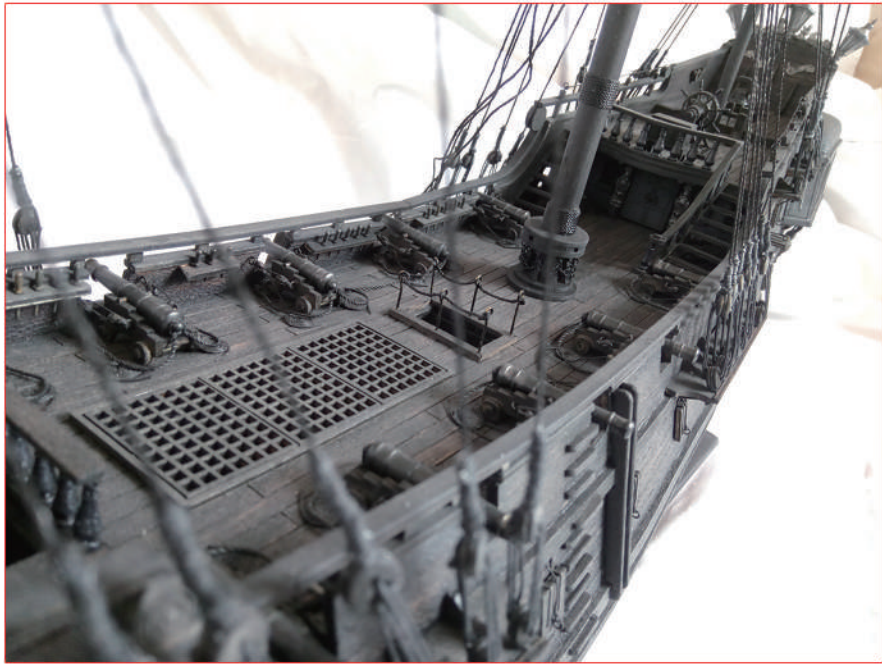
珍珠号安装过程13 *Pearl installation process 13*
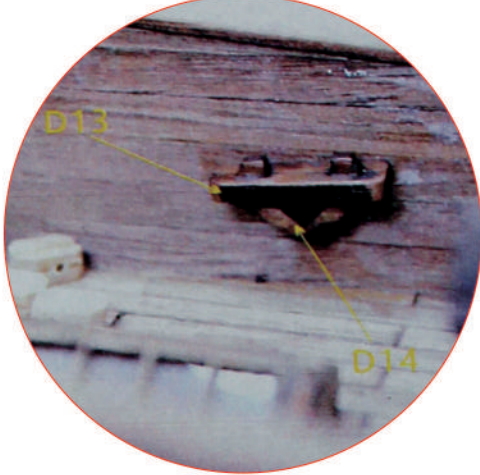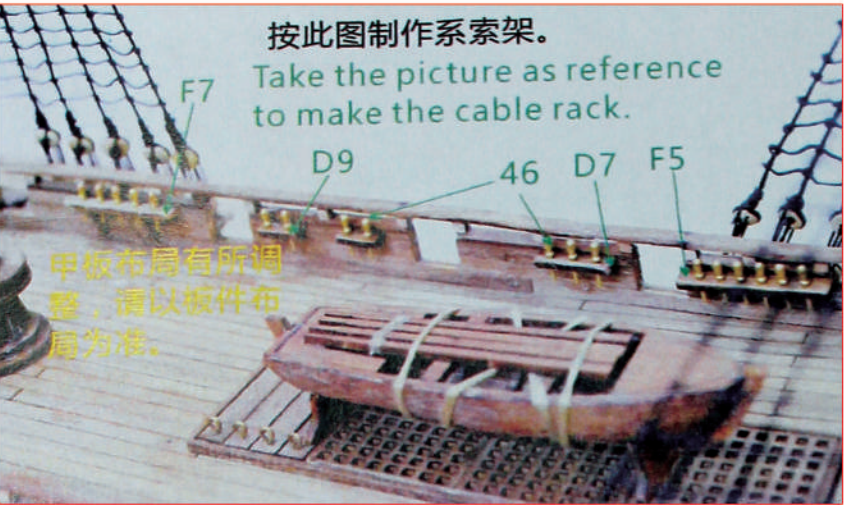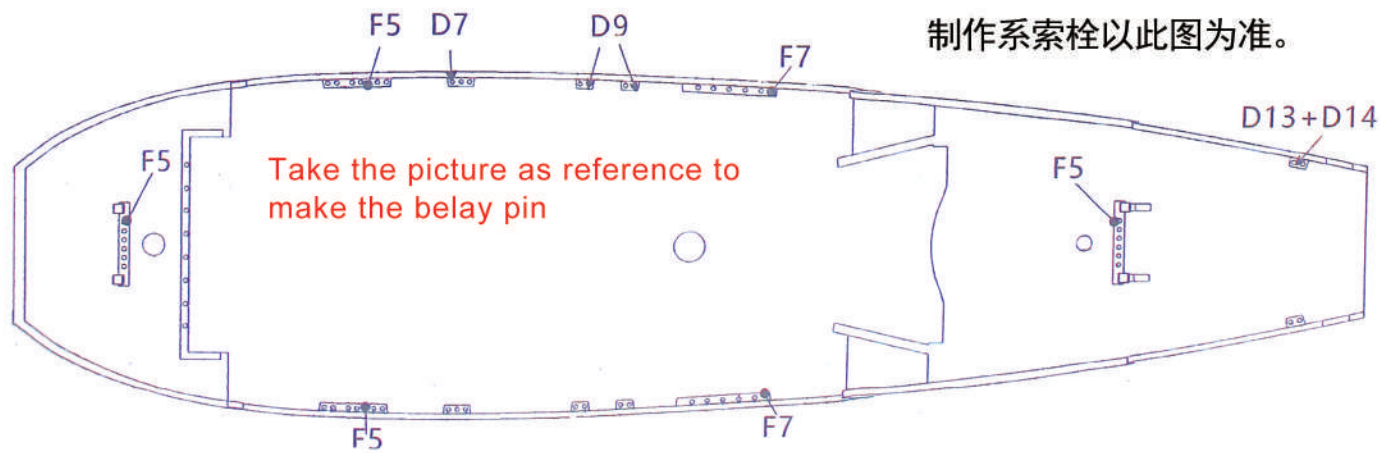
桅杆的制作与安装
Mast making and installation

D6

A39上下两头成弧状
A39 Arcing up and down

58

A39

前桅 Foremast

F5

A35

后桅
Mizzenmast

A38

D8

珍珠号安装过程14

Pearl installation process 14

制作甲板炮车

Production of deck artillery

G6

G5

G7

炮门制作

Way to make the gunports

A1
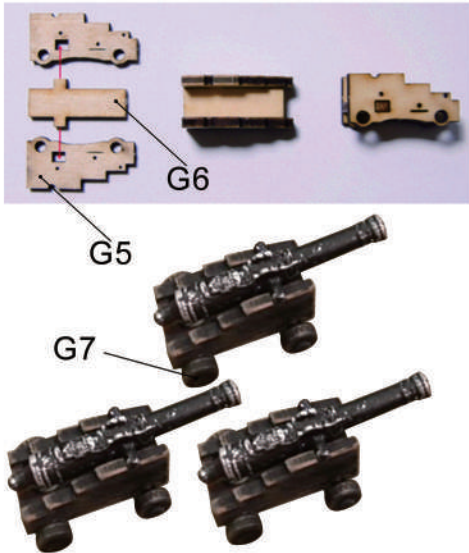
珍珠号安装过程15 Pearl installation process 15

F5 D7 D9 F7

F5

D13+D14

F5

制作系索栓以此图为准。

Take the picture as reference to make the belay pin

F5 F7

按此图制作系索架。
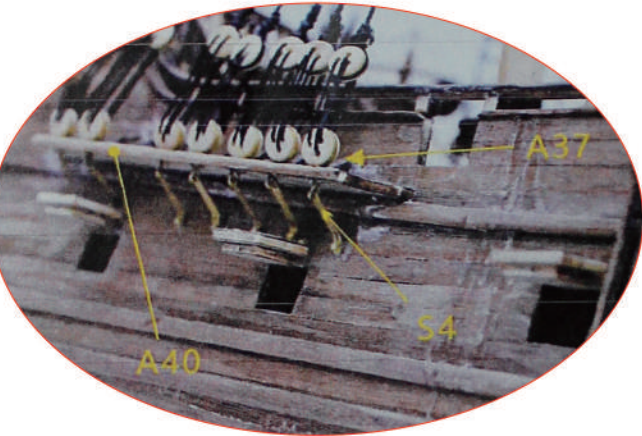Take the picture as reference to make the cable rack.

F7 D9 46 D7 F5

甲板布局有所调整，请以版件布局为准。

D13

D14

制作拉炮栓钉：在船邦垛口两侧插装短9字针，制成拉炮栓钉，用于甲板全炮拉绳。

Make a pull pin: Insert a short 9-character pin on both sides of the boat state and make a pull pin for the deck full gun rope.

A37

A40 S4

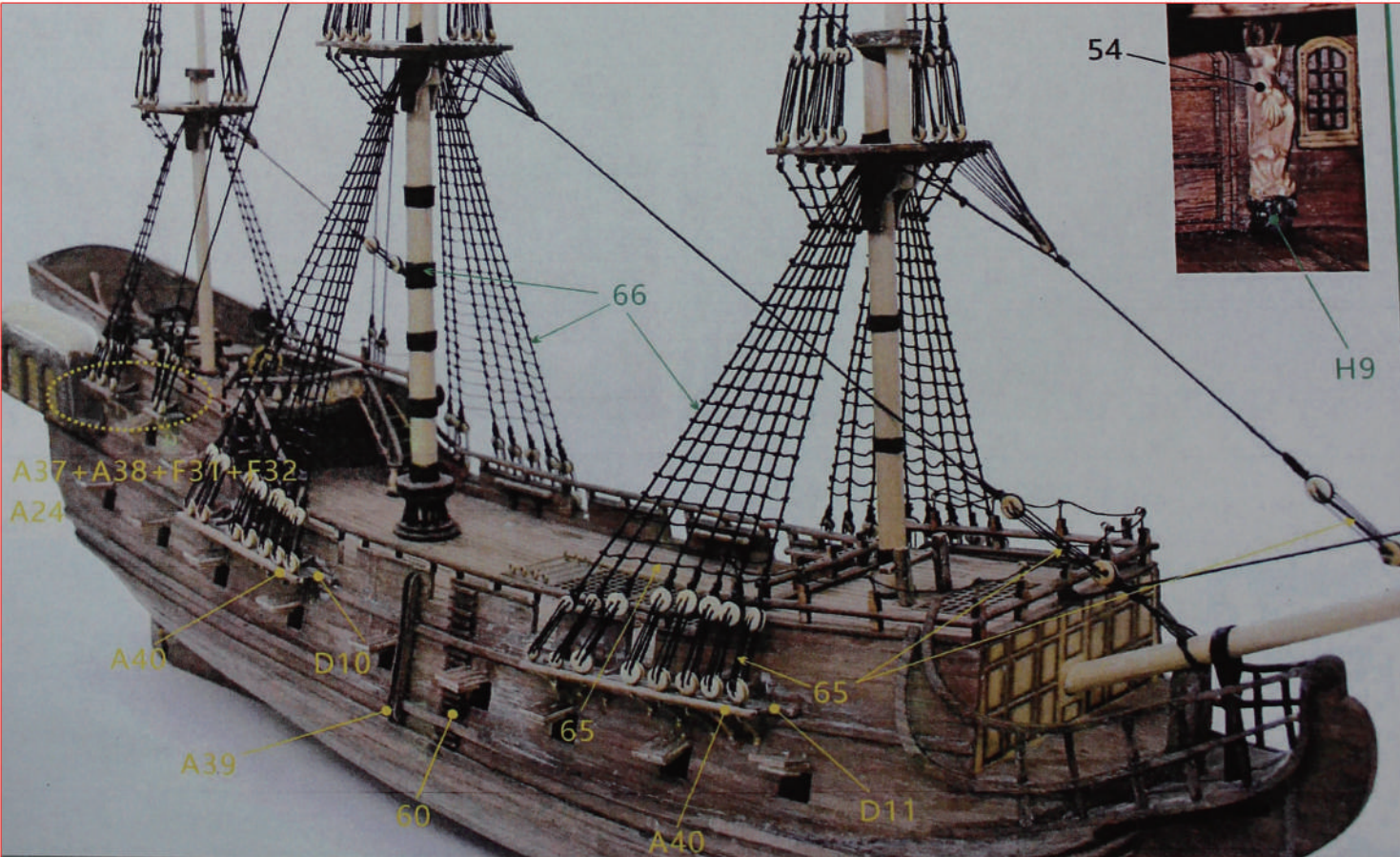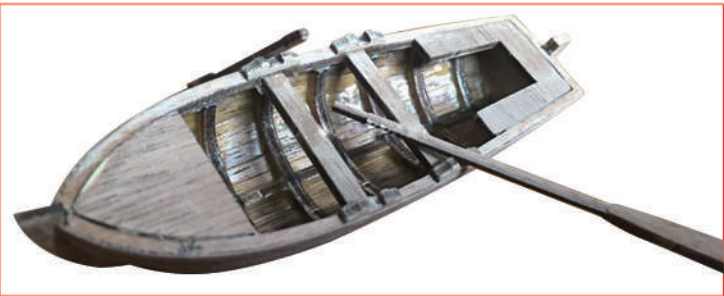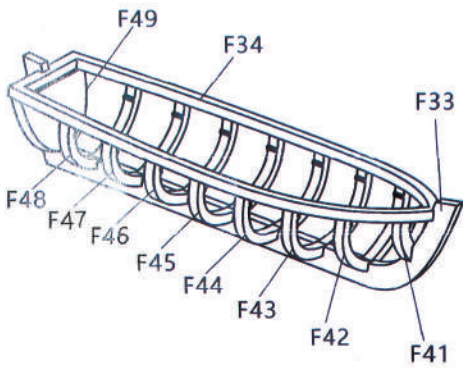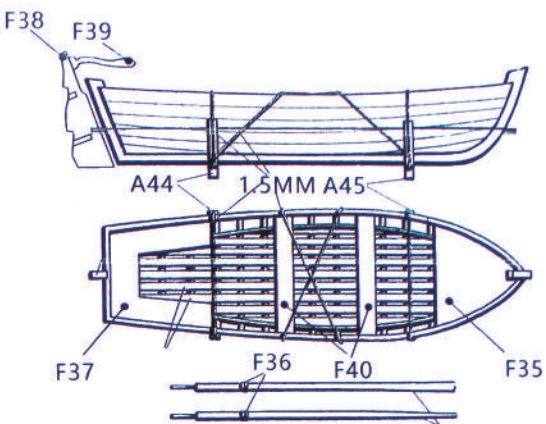**珍珠号安装过程16**

Pearl installation process 16

制作救生船
Production of lifeboats

F49 F34

F33

F48 F47 F46 F45 F44 F43 F42 F41

F38 F39

A44 1.5MM A45

F37 F36 F40 F35

54

66

H9

A37+A38+F31+F32
A24

A40 D10

65

A39 65

60 D11

A40

珍珠号安装过程17 *Pearl installation process 17*

安装尾舵
Production of lifeboats

尾舵铰链制作应保持水平，使用铁钉和胶水固定牢固，然后使用铁钉将船身和尾舵串起来。

The rudder hinge should be made horizontally, secured with nails and glue, and then used to string the hull and rudder together.

甲板以上的三眼滑轮均为5mm滑轮。
The three-eye pulleys above the deck are all 5 mm pulleys.

制作绳梯时，请注意横向的绳索不要拉得太紧，保持一定弧度，向下椭一些为好。纵向绳索一定要绷直，不要让其弯曲

When making rope ladders, please note that the horizontal ropes are not too tight, maintain a certain arc, and ellipse downward for the better. Vertical rope must be straight, do not let it bend

A41、A42、A43

上船安装海神、首像女神、尾灯及船尾花边等

Install the Poseidon, the first goddess, the taillight and the stern lace on board
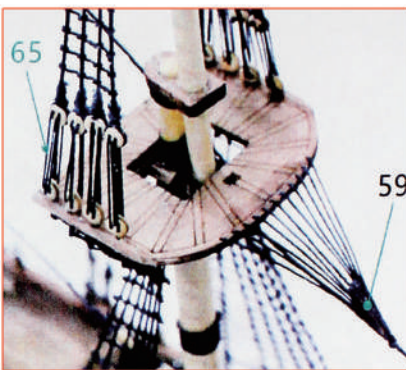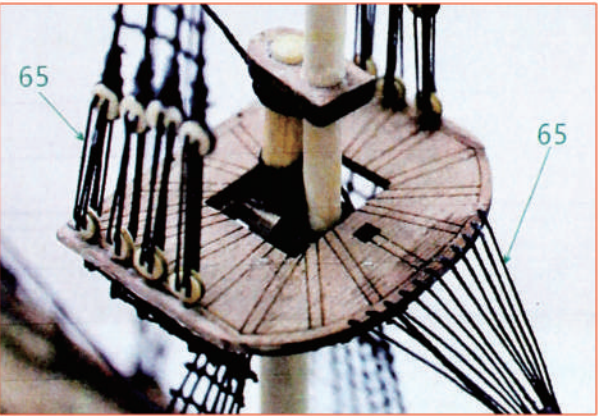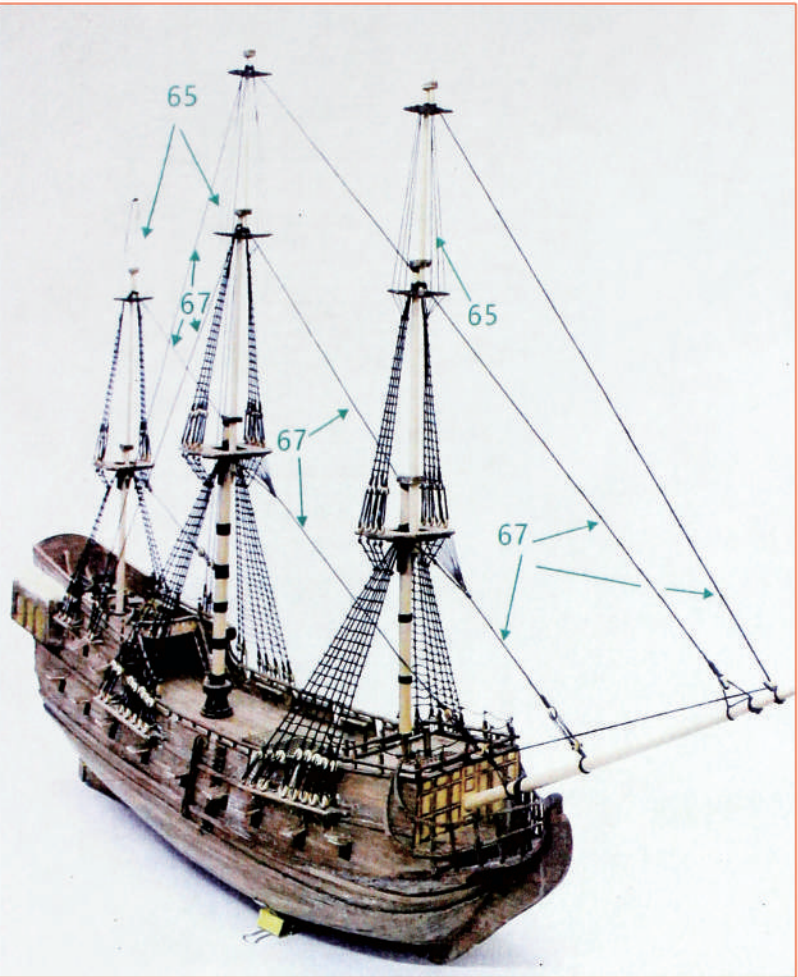
珍珠号安装过程18

Pearl installation process 18

钻孔，让绳索穿过。
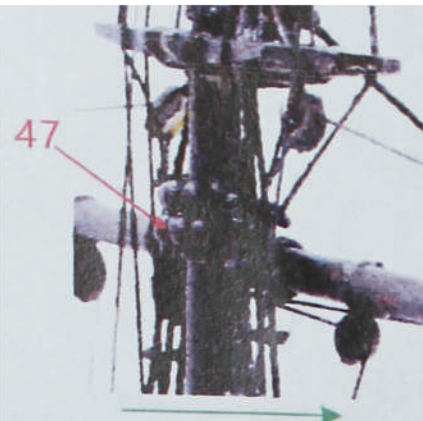Drill a hole to let the cable go through.

珍珠号安装过程19　Pearl installation process 19　制作安装甲板全炮

穿过单饼滑轮的绳索均可
使用65号黑线。

The rigging used to thread
through all thesingle pulley
is Thread No.65

珍珠号安装过程20

Pearl installation process 20

微型木珠（37号）用于固定主桅和
前桅的第二层横桁以及后桅的第一
层横桁。

Wooden bead(Item No.47)can
be used to fix the second
layer of crossyard of Main
mast and the Fore mast,and
the first layer of crossyard
of Mizzenmast

使用打印机颜料
墨水（不易掉色）
加一定1/3的温水染
色，干透后帆布会有
所缩水。所以我们给帆布
预留了一定空间，玩家根据实际情
况对帆布进行调整。建议先染色然
后再用黑线梭边。（横向桅杆建议
制作时比实际尺寸稍长一些）

Using printer pigment
ink(not easy to lose color)
and a certain 1/3 of warm water
steam, the canvas will shrink after
drying. So we set aside some space
for the canvas and players adjust the canvas
according to the actual situation. It is recommended
to dye first and then use the black wire shuttle edge. (The
lateral mast is proposed to be made slightly longer than the
actual size)