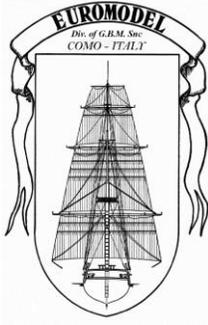


TRANSLATION LINKS

1. type into your browser ... **english+italian+glossary+nautical terms**
2. utilise the translation dictionary 'Nautical Terms & Expressions' from Euromodel website



Essential Resources Friedrich Wilhelm zu Pferde

March 2019

This resource information file was based on the original text supplied by Euromodel and then expanded in detail as the actual ship was constructed by the author, Peter Coward.

Whilst relating to the basic build of this ship, there is information in Chapter 4 that is for the advanced builder who may wish to pursue more detailed work.

Neither the author or Euromodel have any commercial interest in this information and it is published on the Euromodel web site in good faith for other persons who may wish to build this ship. Euromodel does not accept any responsibility for the contents that follow.

Friedrich Wilhelm zu Pferde



Figure 1: Stern View of Friedrich Wilhelm zu Pferde

17th. Century German Frigate

Launched 1684

Scale 1:48

[To navigate through the contents – use ‘control + click’]

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Euromodel Preview

Euromodel kits are based on sets of drawings by a naval architect and contain a comprehensive amount of detail that are a challenge to the serious ship modeller.

This is in contrast to most other kits that whilst they also contain excellent plans, the intention there is to achieve a build matching the plans provided.

Euromodel offers plans with an incredible amount of detail not seen in other commercial kits. This respected company has provided sufficient material in the kit to build a basic form of the ship but a full interpretation of the plans can easily lead to a full scratch build.

Whilst *all* plan drawings are important to the construction of the Friedrich Wilhelm zu Pferde, the builder is well advised to focus on three – Plan Sheets 1, 2 and especially 10

It could well be argued that *the build outcome is somewhere on the continuum between a standard model construction and a scratch model*. How far you wish to extend this continuum is up to you and your build of this ship will be determined by the degree of complexity you choose.

The kit material will go a long way towards achieving a good model but be aware that the purchase of some extra material might be necessary depending on how far you wish to go in emulating the plans. There will be little left over from the kit contents, but during the construction you should experience a compelling drive to create something better than the basic model. Thus the Euromodel plans – unlike plans from other commercial kit companies - cannot be taken as a set of prescriptive drawings that the modeler must emulate.

Euromodel provides just the basic material needs and leaves it up to the modeler to determine how far he will extend his skills. In this build, I certainly added extra material and did alter some components.

In summary, then, the build is a very fluid process allowing for a wide variation in the final outcome.



Figure 4: Friedrich Wilhelm zu Pferde Model

Chapter 1: INTRODUCTION

Historical Notes

The German name **Friedrich Wilhelm** refers to Frederick William, Elector of Brandenburg (1620-1688), one of several monarchs of the Hohenzollern dynasty bearing the same name.

The *Friedrich Wilhelm zu Pferde* (Friedrich Wilhelm on horseback) was built as the flagship of the Brandenburg Navy at a Prussian shipyard in Pillau under the guidance of the Dutch builder Jelis Peckelhering and his team of Dutch shipwrights. At this time, he was responsible for supervision of the shipyards of Prussia (which included the province of Brandenburg) in the cities of Kolberg, Königsberg, Pillau and Berlin and improved them to Dutch standards. Pillau has now been re-named by the Russians as Baltiysk.

The ship was 32 metres in length, 9.8 metres wide and with a tonnage of about 900 tons.

Designed with an armament of sixty guns, it generally was only equipped with twenty 12-pounders five cannons. The crew varied between 160 – 250 sailors and up to 50 soldiers. The *Friedrich Wilhelm* was part of an active fleet forming the Brandenburg Navy whose role in the seventeenth century was to protect and enhance various trade routes. They were a powerful force in the Baltic Sea as well as Africa and the Caribbean.

This ship made several trips ... in 1685 to its home port at Emden, in September 1691 from Emden to Shetland Islands under the guide of Captain Jean Le Sage as a convoy escort for the “Derfflinger”. On July 25th 1692, along with a large fleet, the “Friedrich Wilhelm zu Pferde” sailed from Emden, heading towards Guinea in West Africa. At this time in history, Brandenburg was at war with France. On the nights between of October 30th and November 1st 1692, three French ships and a ‘brander’ (fire ship) fought the Friedrich Wilhelm. Early in the battle, Captain Jean Le Sage was killed by cannon fire and the ship was set on fire and destroyed.

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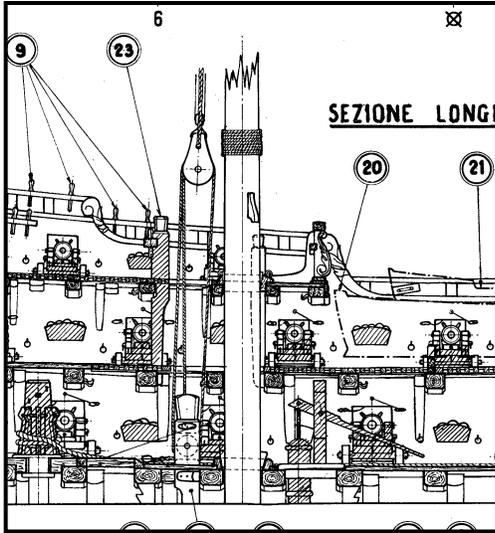


Figure 5: Section From Plan Sheet 2

Construction Philosophy

Euromodel have tried to simulate all the designs of the Friedrich Wilhelm zu Pferde in every possible way, with attention to detail in order to appeal to the advanced model builder to construct this model. The designs allow you to construct the vessel using both pre-cut materials ready to use, and materials that require preparation.

Plan Sheets 1 & 2 contains a considerable amount of scratch information. This is a sheet that is useful in interpreting the hull structure but does contain much that is outside the scope of this kit.

Kit Building versus 'Scratch' Building

There may well be some confusion in looking at the plans since there is considerable detail intended for the 'scratch' builder but which is not provided for in the kit. Fig. 3 shows the detail that *could* be included below decks if engaging in a full scratch build. This kit has a comprehensive array of items to utilise in building this ship. In many cases, these items may not display exactly the same dimensions as the plan sheets but nevertheless will enable the construction of a fine ship. The kit builder will use what is provided but the 'scratch' builder will utilise the plans more fully and decide to spend far more time building particular items as well as purchasing further items to enhance the ship build. Fig. 4 illustrates this point further ... a model showing the gunport lids only partially open does not show the rope and eye pin on the inside surface used as part of the mechanism for controlling the opening/ closing of the lid as shown in Plan Sheet 1.



i.e. no eye pins supplied in kit for gun port lids but could be added as part of scratch build

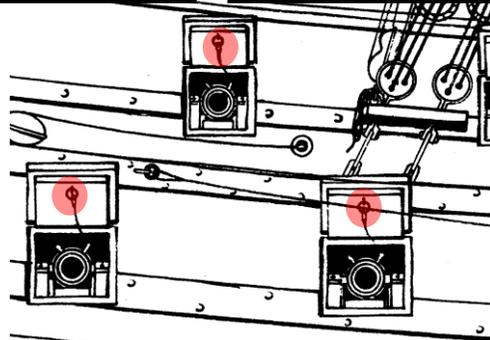


Figure 6: Gun Port Detail

How *Did* I Build This Ship?

I felt compelled to build this ship from the kit provided but at the same time felt myself drawn to the highly detailed plans which portray far more than the kit provides for. What to do ?

I decided to create a text and photographic portrayal of how the ship could be built from the kit and located in a document on the Euromodel website named '[Friedrich Wilhelm zu Pferde Notes](#)'. However, at many points I realised that there were alternative and more detailed construction processes that could be carried out. This usually meant the supply of extra material but having gone to the expense of purchasing the kit, the cost of the extra items was incidental. For these alternative processes, you will observe the heading 'Alternative 1' which uses a very straightforward and basic approach usually with the supplied material as it is whereas the heading 'Alternative 2' often shows the method that I used which probably involved modifying the supplied pieces and/or using extra material

A good example is shown by the anchor capstan on Plan Sheet 2. The immense detail provided will enable the construction of a capstan bearing no resemblance to the piece supplied in the kit but will be of a greater historical accuracy. That degree of accuracy is beyond the scope of any kit but not the avid scratch builder. However ... I found myself continually referring to the plan sheet diagrams and calculating how I might improve upon what is in the kit. Somehow, I suspect every builder will become – to some degree – a 'kit/scratch' builder.

In any case it's essential to exercise patience and attention to detail while constructing this model. Without question this ship must be built with passion. The plans are there, an outline of the fundamental steps is there but in the end the modeller must display a high degree of flair. The plans must be studied at length before beginning because it is there that the builders will develop a 'set of instructions' for themselves. **The kit will not necessarily provide all that is required if the modeller aims to include some of the finer detail.**

The kit WILL enable an excellent model to be built from the materials supplied. The plans must be studied at length before beginning because it is there that the builders will develop a 'set of instructions' for themselves.

A complimentary criticism of Euromodel's kits is that the photos displayed on the internet do not portray the kit contents provided but in fact are scratch models. The simple fact is that there are so many variations and additions to the original design possible that (at the risk of repetition) no two ships are going to look the same. The more you examine the plans, the more you are likely to lean towards the 'scratch' style of construction.

Euromodel appreciates your choosing this product and wishes you a challenging experience. There is no question that the detail provided here on the plans and the material contained in the kit sets Euromodel kits apart from other kits available on the market.

Construction Manual

The following documentation will hopefully offer to other future builders an easier *sequential* pathway of construction. There is no doubt that others will see ‘flaws’ or better ways of carrying out some step. In the end, there can be no one way of doing anything so please read what I have written and then make your own judgement about the best method for you and your build. This manual simply describes how *I* constructed this ship.

Whilst I was working under a *limited build-time to create this hull*, some might well criticise the quality of my construction at some points and you might also be aware that photographing a small area on the hull and enlarging it produces a very different image to the one seen simply through the eye. So whatever you see, make yours better!

This manual is a real ‘ship building in progress’ and unlike other similar texts, the photographs show the raw work as it is being done – no ‘pristine publication-type photos.’

Kit Variations

The serious modeller will make many changes and material substitutions. The choice is yours.

As I said earlier, Euromodel have supplied material which will enable you to produce a fine vessel.

As an illustration, here are a number of changes possible – but the list could go on and on ...

1. The gun carriages supplied do not really match the dimensions or shape shown in the plans and Fig. 5 opposite illustrates the much simplified structure (no quoin, no tapering, almost no rigging, etc) – and no paint detailing! Whilst labour intensive and time consuming, there is *much* you can do to alter these gun carriages. I chose to include quite a few details outside the scope of the kit but certainly within the plan sheet description. As an example, a large number of additional eye pins would be needed here !

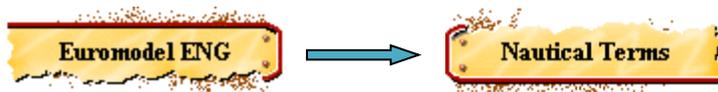


Figure 7: A Very Basic Gun Carriage

2. Of particular challenge is the stern construction. From supplied photographs, the majority of ‘kit’ builders have opted to create a flat stern (‘transom’) but the plan sheets clearly show a curved transom. Refer to **Error! Reference source not found..** So it is here especially that there is a grand opportunity to test your skills and create the form that I believe it should be. A challenging choice for the ship builder. Many will opt for the flat stern and that is fine – that is your choice.
3. The decks were traditionally well-scrubbed and lighter in colour than the planking on the hulls. The kit supplies walnut but you could elect to choose a lighter coloured wood.
4. Different woods are available from suppliers for constructing masts & yards but the kit timber supplied is of excellent quality.

Chapter 2: TRANSLATION (from Italian to English)

Whilst every care has been taken with this translation, the author claims little depth of knowledge of Italian and thus various grammar and syntax errors will be apparent to those who are bilingual in these two languages.



An on-line dictionary is to be found on the Euromodel website – ‘Nautical Terms’ and this will provide assistance for a *large range of terms NOT included in the following pages* of translation from Italian to English.

As you read this manual on construction page by page, all of the plan sheet text in Italian will be explained and translated in English so rather than trying to interpret individual words or sentences on the sheets, just refer to the sequential text. I am hopeful that it will all become quite clear to you.

Italian – English Plan Translation

(Terms shown on the Plan Sheets but not included in the lists below - refer to Euromodel website, 'Nautical Terms')

Tavola 2 VISTE ESTERNE SCAFO, SEZIONE, LONGITUDINALE E PIANTA	Plan Sheet 2 HULL – COMPLETE, CROSS SECTION, LONGITUDINAL & PLAN VIEWS
VISTA DI TRIBORDO	VIEW OF THE HULL ON STARBOARD SIDE
SEZIONEN LONGITUDINALE SULLA MEZZARIA NAVE	LONGITUDINAL CROSS SEDCTION VIEW ALONG SHIP CENTRE LINE
VISATA DELLE POPPA	VIEW OF THE STERN
VISTA DELLE PRORA	VIEW OF THE BOW, WITH BOW WORKS & FIGUREHEAD
Particolare da realizzarsi a cura del modellista	Details to be made by modeler
ISTRUZIONI PER LA PITTURAZIONE 1. I ponti dovranno essere color legno chiaro e verniciati con trasparente o finiti a cera. 2. Saranno ross vivo: affusti dei cannoni, vericelli, argani, bitte, portapioiettili, pazienze, cavigliere, lato interno portelli dei cannoni. 3. Saranno color legno noce: le fiancate interne dello scafo, i corrimano delle ringhiere, scale, mastre dei boccaporti e degli alberi, alberi e pennoni coffe e crocette, aste dei vericelli, tutte le parte interne delle imbarcazioni, cavalletti di ... etc. 4. Tutte le parti metalliche (non ferrose) che non siano coperte dal colore di una zona come, ad esempio, le cerniere dei portelli dei cannoni, possono essere pitturate con una miscela di nero e ... etc 5. Le canne dei cannoni (se di ottone ... etc.) 6. Tutti i colori e la vernice trasparente ... etc NOTE - Per le sez. trasversali dello scafo ed i particolari costruttivi dal N° 1 al ... etc. - Per i particolari costruttivi dal N° 18 ... etc.	INSTRUCTIONS FOR COLOURING 1. Decks must be bright wood colour & finished with wax or varnish. 2. Following details will be red: gun carriages, winches, capstans, bits, shell holders, belaying racks, pin racks & inside of the gun port-hole doors. 3. Following details will be walnut coloured: inside bulwark, handrails, stairs, hatchway coamings & mast coamings, masts & yards, tops & crosstrees, winch stocks, inside of life boats & their stands, blocks, deadeyes & belaying pins. 4. All the non iron metallic parts that are not covered by the colour of the detail they are joined to , e.g. hinge of the gun door can be painted with a black and silver mixture to simulate steel. 5. The barrels (brass or bronze) must be burnished. 6. All the colours as well as varnish must be semi-lustre. NOTES - For the cross sections of the hull & construction details from 1 to 17, refer to Plan Sheet 3 - For details from 18 to 35, refer to Plan Sheet 4.

COLORI - COLOUR	COLORI – COLOUR
Bianco – white	Rosso vivo – bright red
Legno noce – walnut wood	Verde marcio – olive green
Nero – black	Oro antico – antique gold
Giallo ocre – yellow earth	Azzurro cielo – blue sky
Colore terra – earth colour	

Tavola 3	Plan Sheet 3
Sezioni Trasversali e Particolari 1-17	Transverse Sections & Items 1-17
SEZIONE VERSO POPPA SULL'ORDINATA 6	CROSS-SECTIONAL VIEW AT FRAME 6 LOOKING TOWARDS POOP
SEZIONE VERSO POPPA SULL'ORDINATA MAESTRA	CROSS-SECTIONAL VIEW AT MAIN FRAME LOOKING TOWARDS STERN
SEZIONE VERSO PRORA SULL'ORDINATA MAESTRA	CROSS-SECTIONAL VIEW AT MAIN FRAME LOOKING TOWARDS BOW
PARTICOLARE DELLA PARATIA DI PRORA	DETAIL OF BOW BULKHEAD
PARTICOLARE (TIPICO) DELL 'INSTALLAZIONE DEI CANNONI (fuori scala)	DETAIL (TYPICAL) OF THE GUN INSTALLATION (not to scale)
Bozzelli del paranco di rinculata	Blocks of the recoil tackle
Bozzelli del paranco dei cannoni	Blocks of the gun tackle
1.CANNONI DEL PONTE BATTERIA (N° 20 PEZZI)	1.GUNS OF BATTERY DECK (20 items)
Affusti per scatola di montaggio	Gun carriages to be produced (20 items)
2.CANNONI DEL PONTE DI COPERTA ...	2.MAIN DECK CANNONS (18 items)
Affusti per scatola di montaggio (N° 10 pezzi) + N° 8 pezzi come da partic. reale per i cannoni in vista	Carriages for assembling box (10 items) + 8 items as per the detail for guns in view.
3.CANNONI DEL CASTELLO E DEL CASSERO (N° 10 PEZZI)	3.GUNS OF THE FORECASTLE & QUARTER DECKS (10 items)
4.CANNONI DEL CONTROCASSERO (N° 4 ...	4.GUNS OF UPPERQUARTER DECK (4 items)
5. BITTONE ... PENNONE DI TRINCHETTO	5.TIE BITT OF THE FORE YARD
6. BITTONE DI DRIZZA DEL PENNONE ...	6.TIE BITT OF THE MAIN YARD
Sagomare sulla fiancata int.	Mould on the inside broadside
NOTE Salvo ove diversamente indicato sulla presente tavola e sulle tavole successive, tutti i particolari sono ... etc. Per il codice dei colori e le istruzioni per la ... etc. Per i particolari dal N° 18 al N° 35 vedere la tav. ...	NOTES Where not differently specified, all details of this as well as following drawings have the same scale of the vessel. For colours & painting instructions, see Plan Sheet 2 For detail 18 to 35, see Plan Sheet 4.

Tavola 4 PARTICOLARE 18 - 35	Plan Sheet 4 DETAILS OF ITEMS 18 – 35
*Le quote contrassegnate da asterisco sono do ...	Distance shown by asterisk determined by the modeller
FANALE DI POPPA	STERN LIGHT
Sviluppo	Development
Rifilare a cono eseguito	When assembled, the cone so produced will need to be trimmed to that of the lantern diameter.
PARTICOLARE DELLE CERNIERE DEGLI AFFUSTI	HINGE DETAIL OF GUN MOUNT
Da eseguirsi a cura del modellista	To be produced by modeller
PARTICOLARE DEL PARANCO DELLA ...	DETAIL OF CATHEAD TACKLE

Tavola 5 PONTE E PARATIE FRONTALI	Plan Sheet 5 DECKS & BULKHEAD FRONT VIEWS
PARATIA FRA CASSERO E CONTROCASSERO	BULKHEAD BETWEEN QUARTER & POOP DECKS
Sugli orli con lasciare 1mm. in +	Allow about 1mm to trim edge
PER OSS.-2 – SISTEMARE PRATICAMENTE DA SOPRA P. COPERTA	FOR FRAME 2, ARRANGE IT PRACTICALLY FROM OVER THE UPPER STOREY.
PARATIA LA PARATIA DEVE AVERE ...	CAREFULLY,BULKHEAD TO BE CURVED
FORO 5X5 SCASSA MEZZANA	HOLE, 5X5 MM., MIZZEN STEP
ATTACO PER BITTA DI ... DI MAESTRA	FASTENING FOR BITT OF MAIN TIE
N.B. PER CONSENTIRE – l'imbarco dei ponti, batterie, coperta, casser e controcassero e necessario segare i ponti sulla mezzaria il segno indica ... etc.	N.B. In order to assemble the second, main, quarter and poop decks, it is necessary to saw the decks on the midline (on later kits, this has already been done)
PARTE DEL PONTE DA INTRODURRE PER PRIMA. COPRIGIUNTA SOTTO IL PONTE.	PART OF THE DECK TO BE INTRODUCED FIRST. JOINT COVERING UNDER DECK.
IL PONTE BATTERIA – non abbisogna di coprigiunta appoggiando sulla chiglia	GUN DECK – this deck does not need the joint covering as it is supported on the false keel line.

Tavola 6 ALBERI E ATTREZZI	Plan Sheet 6 MASTS & EQUIPMENT
BOMPRESSO	BOWSPRIT
FORO DA ESEGUIRE AL MONTAGGIO	HOLE TO BE FORMED AFTER/ BY ASSEMBLY
FORO CONICA DA ESEGUIRE AL MONTAGGIO	CONICAL HOLE (BORE) TO BE FORMED AFTER/ BY ASSEMBLY
FORO PER IL PASSAGIO DELLA FRECCIA	HOLE (BORE) FOR FITTING OF TOPSAIL MAST
TRINCHETTO	FOREMAST
TRATTO PARALLELO A SEZ. QUADRATA	FORM A SQUARE CROSS SECTION
FORO DA ESEGUIRE AL MONTAGGIO DELL'ALBERO DI PAROCCHETTO	HOLE (BORE) TO BE MADE BY ASSEMBLING OF THE FOREMAST
QUESTA PARTA DEVE ESSERE ASPORT ...	PART MUST BE REMOVED FROM F2 PARTS
FORO DA ESEGUIRE AL MONTAGGIO DELL'ALBERETTO DI PAPPAFFICO ...	BORE TO BE MADE BY ASSEMBLING THE TOPGALLANT FOREMAST & FLAGSTAFF
PENNONE DI VELACCINO	FORE TOPGALLANT YARD
PENNONE DI PARROCCHETTO	FORE TOPSAIL YARD
pulegge per drizza del penn. di parrochetto	pulley for halliard of topsail yard

<p style="text-align: center;">Tavola 7 MANOVRE FISSE E PARTICOL. RELATIVI – BIGOTTE & BOZZELLI</p>	<p style="text-align: center;">Plan Sheet 7 DETAIL OF FIXED RIGGING – DEADEYES & BLOCKS</p>
<p>PIANO DELLE MANOVRE FISSE DELL'ALBERATURA</p>	<p>PLAN OF MAST FIXED RIGGING</p>
<p>Paterazzi dell'alberetto di parrocchetto di bompresso</p>	<p>Backstays of the topsail bowsprit mast</p>
<p>Le parti indicate con line a tratto e punto sono relative al solo albero di trinchetto sia per quanto riguarda il partic. 1 che per il partic. 2.</p>	<p>The parts shown by chain refer only to the foremast whether for detail 1 or detail 2.</p>
<p>PARTIC. DELLE LANDE E DEGLI ARRIDATOI DELLE SARTIE DI TRINCHETTO E DI MAESTRA</p>	<p>DETAILS OF THE FORE & MAIN CHAIN PLATES & TURNBUCKLE</p>
<p>PARTIC. DELLE LANDE E DEGLI ARRIDATOI DELLE SARTIE DI MEZZANA</p>	<p>DETAILS OF THE MIZZEN CHAIN PLATES & TURNBUCKLE</p>
<p>NOTE</p> <p>1.l'attacco fiss (*) del cava buono di maestra deve essere eseguito dal lato di tribordo dell'albero(opposto a quanto indicato a dis.)</p> <p>2.la legenda sotto riportata e valida per la presente tav. e per quelle ... etc.:</p> <p style="padding-left: 20px;">indica il no. progressivo di posizione a cui vanno legate le manovre volanti di pennoni e vele (galocce, caviglie, stroppi delle bigotte ecc.)</p> <p style="padding-left: 20px;">indica il no. progressivo della posizione del punto fisso (dormiente) di una manovra volante ... etc.</p> <p style="padding-left: 20px;">come sopra, ma senza numerazione in quanto non necessaria</p> <p style="padding-left: 20px;">indica la posizione del passaggio di una manovra volante prima di essere legata ad una posiz. contrassegnata dal cerchio di cui sopra. (il punto di passaggio puo essere ... etc.</p> <p>3.I numeri in grassetto indicano il tipo di bigotta e di bozzello da adottare per ciascuna manovra. il numero che segue la lettera che identifica il tipo di bozzello designa la posizione relativa al tipo di bozzello – i bozzelli relativi al lato di tribordo (dritta) sono identificati con d, quelle relative al lato di babordo (sinistra) ... etc.</p> <p>ESEMPIO</p> <p>a. bozzello tipo "h" avente lo stesso scopo, ubicazione analoga ed installato sul lato di babordo</p> <p>b. ubicato sul lato di tribordo</p> <p>c. bozzello no. 1 di tipo "h"</p>	<p>NOTES:</p> <p>1.the fixed junction of the main mast rope must be carried out from the right hand side of the mast (opposite to what is shown in the drawing).</p> <p>2.the following legend is valid for this & following plan sheets:</p> <p style="padding-left: 20px;">‘circle’ shows progressive no. of position where running riggings of yards & sails must be fastened (cleats, belaying pins, deadeye fastenings, etc.)</p> <p style="padding-left: 20px;">‘rhomboid’ shows progressive number of fixed point of a running rigging (ring, block fastening, etc.)</p> <p style="padding-left: 20px;">‘asterix’ as above but without numbers because not necessary</p> <p style="padding-left: 20px;">‘oval’ shows passage position of a running rigging before same is fastened to position marked with the above circle (the passage point can be a block, a chock, etc.)</p> <p>3. The bold numbers show the deadeye & block type used for each rigging. number following the letter showing the block type determines the position. Right-hand blocks are labelled “d” and the left “s”. identification nos. of blocks followed by an abbreviation between brackets show the corresponding blocks on the opposite side.</p> <p>EXAMPLE</p> <p>a. block type h has same end place similar to the one installed on left side.</p> <p>b. placed on left hand side</p> <p>c. block no. 1 of the “h” type.</p>

Tavola 8 MANOVRE VOLANTI DEI PENNONI E PARTICOLARI	Plan Sheet 8 DETAIL OF YARD RUNNING RIGGINGS
PARTICOLARE DELLE MANOVRE VOLANTI DEL PENNONE DI CIVADA E DEL PENNONE DI PARROCCHETTO DI BOMPRESSO	DETAIL OF RUNNING RIGGINGS OF THE WHISKER & BOWSPRIT FORE-TOP YARD
PARTICOLARE DELLE MANOVRE VOLANTI DEL PENNONE DI PAPPAFICIO DI TRINCHETTO E DEL PENNONE ... etc	DETAIL OF RUNNING RIGGING OF TOPGALLANT YARD & TOP YARD OF THE FOREMAST
PARTICOLARE DELLE MANOVRE VOLANTI DEL PENNONE DI TRINCHETTO	DETAIL OF RUNNING RIGGINGS OF FOREYARD
Strallo di maestra	Main stay
Legare allo stroppo del bozzello "L" 8	Fasten to the L 8 block strap
Bitta della drizza di trinchetto	Bitt of the foremast halliard
PARTICOLARE DELLE MANOVRE VOLANTI DEL PENNONE DI PAPPAFICIO DI MAESTRA DEL PENNONE DI GABBIA	DETAIL OF RUNNING RIGGING OF MAIN TOPGALLANT SAIL & UPPER TOPSAIL
PARTICOLARE DELLE MANOVRE VOLANTI DEL PENNONE DI MAESTRA	DETAIL OF RUNNING RIGGING OF MAIN YARD
Legare incappelando all bitta	Fasten, fixing at the bitt.
Bitta della drizza di maestra	Bitt of the main mast halliard
DETTAGLIO 'C' (Trozza delle pennone di contromezzana)	DETAIL OF PARREL OF MIZZEN TOPSAIL YARD
DETTAGLIO 'B' (Trozza delle antenna di mezzana)	DETAIL OF PARREL OF MIZZEN LATEEN YARD
incappellaggio dello strallo	stay strap
PARTICOLARE DELLE MANOVRE VOLANTI DEL PENNONE DI BELVEDERE, DEL PENNONE DI CONTROMEZZANA E DELL'ANTENNA DI MEZZANA	DETAIL OF THE RUNNING RIGGING OF MIZZEN TOPGALLANT YARD, MIZZEN TOPSAIL YARD & MIZZEN LATEEN YARD
DETTAGLIO DELLA TROZZA	DETAIL YARD ARM SLING
NOTE 1.dettaglio (tipico) per l'alberetto di parrochetto di bompresso. dell'alberetto di ... etc 2.dettaglio (tipico) della trozza dei pennoni del bompresso, di pappafico di trinchetto, di pappafico di maestra e del penn. di belvedere – il bozzello e relativo stroppa ... etc. 3.dettaglio (tipico) per l'albero di parroch...etc 4.dettaglio (ipico) per l'albero di trinchetto ...etc 5.le trozze del pennone di contromezzana e dell'antenna di mezzana devono essere ... etc. 6.per il significato dei simboli riportati sulla presents ... etc	NOTES 1.detail (typical) of bowsprit sprit mast as well as the main & foremast topgallant masts. 2.detail (typical) of the seizing of the bowsprit of the 'pappafico' topgallant fore yard, of the 'pappafico' topgallant main yard as well as of the mizzen topgallant yard. 3.detail (typical) for the fore & main masts. 4.detail (typical) for the fore & main topsail masts. 5.the seizing of the mizzen topsail yard as well as of the mizzen lateen yard must be done as per detail "b". 6.for interpretation of symbols used refer to the legend in plan sheet 7.

Tavola 9 MANOVRE DELL VELE	Plan Sheet 9 SAIL RIGGING
Solo per la vela di trinchetto	Only for the foresail
Vela addizionale asportabile (bonetta)	Bonnet
Paranchino dei terzaruoli	Reef tackle
Matafioni di inferitura 0.5	Furling line
PARTICOLARE DELL'ATTACCO DELLA VELA AL PENNONE (INFERITURA)	ATTACHMENT OF SAIL TO YARD (SHOWING FURLING LINE)
NOTE 1.le dimensioni delle vele devono essere in ... etc 2.escluso la vela di mezzana, che e rappresentata vista da tribordo, tutte le vele sono state ... etc. 3. tutte le manovre indicate con linea tratteggiata passana sulla faccia delle vele opposta a ... etc. 4. per il significato della simbologia usata ... etc.	NOTES 1.sail dimensions to be determined plan sheet 1 2.with exception of mizzen sail which is shown from the right, all other sails are shown viewed from the poop. 3.all the riggings marked with short-dashed lines go on the side of the sails opposite to the visible ones. 4.refer to plan sheet 7 for the symbols used.

Tavola 10 PIANO DI COSTRUZIONE	Plan Sheet 10 BUILDING PLANS
PIANO LONGITUDINALE	LONGITUDINAL PLAN
PIANO TRASVERSALE (ORDINATE)	VIEW OF FRAMES TOWARDS STERN
Linea retta del baglio	Beam straight line
PIANO ORIZZONTALE (LINEE D'ACQUA)	HORIZONTAL PLAN (WATER LINES)
Tutti i profili dei ponti sono riferiti alla mezzeria. per definire il profilo dei ponti a murata usare la sagoma del bolzone sopra ... etc.	All the deck profiles refer to the centre line. in order to establish the deck profiles, use the form of the cambered beam as above.

Tavola 11 SPECCHI DI POPPA	Plan Sheet 11 STERN DETAIL
Deviate di giunzione degli specchi	Base of stern support merges with junction of upper & lower 'mirrors'
N.B. lo spessore delle oss. e di 5 mm.	N.B. The frame thickness is 5 mm.
CURVA INTERNA DEI 2 SPECCHI DI POPPI	INSIDE CURVE OF 2 POOP 'MIRROR' PIECES
N.B. Il tutto va montate a parte, provato a posto e sistemato definitivamente solo dopo aver fissato a posto i vari ponti. I ponti si introducono da poppa	N.B. Everything must be assembled apart, checked and then placed definitely ONLY after having fixed in place the different decks.
Attenzione: Occorrono No 8 correnti lunghezza 900x5x3 m/m	There are eight longitudinal stringers (4 per side) – 3x5x99 mm. used for strengthening the hull
Incastri per correnti longitudinali	Fit in longitudinal stringers
SISTEMA DI MONTAGGIO OSS. 1	METHOD OF ASSEMBLY AROUND FRAME 1

Tavola 12 SPECCHIO DI POPPA E GIARDINETTI	Plan Sheet 12 STERN & QUARTER GALLERIES DETAIL
Piano in corrispondenza del P. CASSERO	A: Level in relation to the quarter deck.
Piano in corrispondenza del P. COPERTA	Level in relation to main deck.
Appoggio P. CASSERO	Quarter deck support
Appoggio P. COPERTA	Main deck support
Porzione di supporto da eliminare destro e sin	Support position to be removed from both sides
Zona di riempimento. Il riempimento va fatto con un blocchetto di legno opportunamente ... etc.	Area on either side to be filled using wooden blocks shaped as per drawing.
ELEMENTI COSTRUTTIVI DELLO ...	PARTS USED IN CONSTRUCTION OF STERN
- Ordinata no. 10	Frame No. 10
- No. 5 supporti tipo A e no. 2 Tipo B	Lower counter timbers (5 type A and 2 type B)
- Parte superiore specchio di poppa	Upper stern 'mirror' (support for decorations)
- Parte inferiore specchio di poppa	Lower stern 'mirror' (support for decorations)
- Dritto di poppa	Sternpost
SEZ. DELLA CHIGLIA SULL'OSS 10	C.S. THROUGH FALSE KEEL AT FRAME 10
Dal punto r al punto lachiglia va rastremata ...	Cross section of the keel line on Frame 10
Lo specchio inferiore va leggermente in curvato ...	Lower stern 'mirror' must be gently curved/ tapered to fit.
Inserire l'oss 10 con i supporti già incollati nella parte di estrema poppa della trave di chiglia	C: Insert Frame 10 with the already glued supports on the part of the outer poop of the keel line.
Trave di chiglia	Beam of the false keel
Blochetto di riempimento serve d'appoggio alla parte terminale dei listelli a estrema poppa. A sistemazione avvenuta deve formare un tutto unico con supp. ...	Filling block serves as a support for planks finishing at Poop Deck end. Must be shaped to be complete entity between support B & frame 10. This applies to both sides.
SEQUENZA DELLE OPERAZIONI DI ...	STERN ASSEMBLING PROCEDURE
1.Sull'oss.10 incollare i supporti degli specchi – no.5 tipo A tipo B nelle apposite zone – dis A. Fare attenzione che i piani dei supporti per il ...	1.On frame 10, glue 7 supports (5 type A & 2 type B). Make sure supporting surfaces for quarter deck & main deck are level with those of frame 10.
2.Ad incollaggio asciutto incollare le due parti, superiore e inferiore, dello specchio di poppa. dis.B negli incastri dei supporti (X & Y) come ... etc	2. After glueing, assemble upper & lower parts of transom as in drawing B on supports X as in drawing C. 3.Insert everything in keel line notch at poop end. 4. Glue sternpost paying checking with the keel line. Notches for longitudinal reinforcements of upper & lower transoms must be in line with notches for frame 10. Check drawings on this plan sheet!
	QUARTER GALLERY CONSTRUCTION
Disegno pezzo per misura e paragone	Comparison of block sizes
Blochetto di legno da lavorarsi	Block of wood to be worked
Sezionare orizzontalmente alt A e E – verticalment ...	Horizontal & vertical views of timber sections to be done.
PRIMA OPERAZIONE	1st. STEP: Shaping in upright fashion, remove dashed part.
Sagomatura in senso verticale – da levare ... etc	
SECONDA OPERAZIONE: I pezzi ottenuti con la precedente sagomatura vanno ora sagomati ...	2nd. STEP: The pieces obtained from the previous step must be finished on both the side & upper surfaces.
I pezzi sagomati come dis. 4-(A-B-C-D) vanno incollati fra loro. Poi si incollano sul fianco del pezzo ottenuto le varie cornici ornamentali, (I-II-III-IV-V-VI) l'effetto della copertura a labbro si può ottenere lavorando con un ...	Shaped pieces as per drawing 4 (A+B+C+D) to be glued together; glue on the side of piece the various ornamental frames (I...VI). Roof produced by working with a carving tool on full block or with the application of wooden strips.
Aspetto finale del pezzo dopo l'applicazione degli elementi ornamentali prestampati	Final view of the structure after application of the ornamental metal pieces.
N.B. Nel disegno 4 la parte da levarsi e segnata coi trattini	Final design encompassing the four pieces will need to be modified according to how it fits into the ship.

Chapter 3: THE KIT

Drawings

The diagrams are beautifully drawn and would allow a scratch-built kit to be readily developed. The difficulty is to separate the essential detail necessary to build the kit from the other more seriously accurate detail.

At this stage it is a good idea to spend quite some time ‘pouring’ over the plan sheets provided to gain some insight into what is ahead of you.

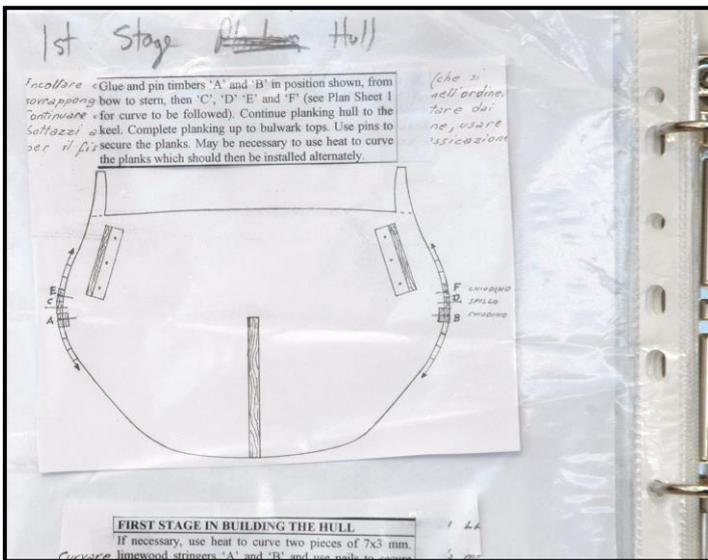


Figure 8: Re-organisation of Plan Sheets (from another kit)

A point I found useful was for many – but not all – plan sheets to be carefully cut into small sections and placed into plastic sleeves in a folder. This way I could arrange the drawings in semblance of order of construction. Another very useful step was to print off the Italian-English translations, cut out the English translations and stick them over the appropriate Italian words (see below)

Metal decorations

Refer to Chapter 4 ...

Much patience is required to identify these pieces and I would caution against direct contact with the skin – use gloves when cleaning & painting the pieces. Certainly any filing should be carried out in a separate area that can be easily cleaned up.

Scrap Timber

The laser-cut material in this kit was surrounded by pieces of wood which might appear to be superfluous – however there were a number of places in the ship build where it was

Component List

Wood – Laser-cut

Hull:

Keel (1) – Chiglia

Transverse Frames (10) - Ordinate

Decks:

Gun Deck (1) - Ponte di batteria

Main Deck (1) - Ponte di coperta

Quarter Deck (1) – Ponte di cassero

Upper Quarter Deck (1) – Ponte di contro cassero

Poop Deck (1) – Ponte di cassero

Forecastle Deck (1) – Ponte castello

Bulkheads A, B & C (3) – Paratia A, B & C

Stern:

Stern Supports (7) - Supporti di poppa No. 7

Transom, upper (1) - Specchio superiore

Transom, lower (1) - Specchio inferiore

Rudder (1) – Timone

Posts:

Stem (Bow) Post (1) - Ruota di prua

Stern Post (1) – Ruota di poppa

Support Base (1) - Invasatura anteriore + posteriore

Wood – Limewood – listello tiglio

35 x 60 x 120 mm.

Block for Bow & Stern Sides - Blocchetto di riempimento va fatto di prua

50 x 60 x 180 mm.

Block for Quarter Galleries - Blocchetto di riempimento di poppa

1.5 x 6 x 760 mm. (100)

First Planking - 1° Fasciame [N.B. varies between 1.5 – 1.8]

2.5 x 5 x 760 mm. (6)

Longitudinal stringers - Correnti lunghezza

Plywood- compensata

‘1’ x 85 x 300 mm.

Mast Tops - Coffe [N.B. thickness approx. 0.6 mm.]

Wood –Walnut – listello noce

1 x 6 x 760 mm. (100)

Second Planking - 2° Fasciame

0.5 x 6 x 710 mm. (40)

Deck Planking - Rivestimento ponti

10 x 10 x 330 mm. (1)

Cradle Support Cross Pieces - Traversa invasatura

10 x 10 x 630 mm. (1)

False Keel - Sottochiglia

4 x 17 x 150 mm. (1)

Mast Cheeks - Maschette

2 x 5 x 760 mm. (8)

Wales, Cap, Foot & Pin Rails, Stanchions – Incintoni, capodibanda, pazienza

2 x 8 x 760 mm. (6)

Wales - Incintoni

9 x 11 x 150 mm. (1)

Bollard for Foremast Yard – Bittone di drizza del pennone di maestra

9 x 14 x 150 mm. (1)

Bollard for Main Mast Yard – Bittone di drizza del pennone di trinchetto

2 x 2 x 760 mm. (6)

Capstan Base; Head Grating – Base de aragano, Serpa

2 x 4 x 560 mm. (1)

Bowsprit[Cleats, Trestletrees]; Steps (outside staircase) – Barre costiere di albero di bompresso; Scaleo di scala (esterno)

2 x 2 x 700 mm. (3)

Fore Top Mast Crosstrees; Bowsprit Topmast Crosstrees; Stern

3 x 4 x 80 mm. (1)

Buttock – Barre traversa di albero di parrocchetto e albero di bompresso

2 x 3 x 80 mm. (1)

Main Top Mast Trestletree - Barre costiere di albero di gabbia

Main Top Mast Crosstree - Barre traversa di albero di gabbia

	<i>Fore Lower Mast Top [B2]</i>
2.5 x 4 x 140 mm. (1)	Crosstrees – Barre traversa di albero di trinchetto
5 x 6 x 140 mm. (1)	Trestletrees - Barre costiere di albero di trinchetto

	<i>Fore Top Mast Crosstree [B2]</i>
Crosstrees:	included in 2 x 2 x 700 mm. on previous page
Trestletrees:	included in 2 x 4 x 560 mm. on previous page
	<i>Fore Topgallant Mast Crosstree [B8]</i>
Crosstrees:	included in 1 x 3 x 110 mm. in list below
Trestletrees:	included in 2 x 2.5 x 50 mm. in list below

	<i>Main Lower Mast Top [C2]</i>
6 x 7 x 140 mm. (1)	Trestletrees - Barre costiere di albero di maestra
2 x 5 x 760 mm.	Crosstrees – Barre traversa di albero di trinchetto
	<i>Crosstree timber included on previous page for ‘Wales, Cap & Pin Rails’</i>

	<i>Main Top Mast Crosstree [C5]</i>
Crosstrees:	included in 2 x 3 x 80 mm. in above list
Trestletrees:	included in 3 x 4 x 80 mm. in above list
	<i>Main Topgallant Mast Crosstree [C8]</i>
Crosstrees:	included in 1 x 3 x 110 mm. in list below
Trestletrees:	included in 3 x 3.5 x 220 mm. in list below

	<i>Mizzen Lower Mast Top [D2]</i>
3 x 3.5 x 220 mm. (1)	Trestletrees & Crosstrees - Barre costiere e barre traversa di albero di mezzana

	<i>Mizzen Top Mast Crosstree [D5]</i>
Crosstrees:	included in 1 x 3 x 110 mm. in list below
Trestletrees:	included in 2 x 2.5 x 700 mm. in list below

2 x 2.5 x 50 mm. (1)	Mizzen Top Mast Trestletrees - Barre costiere di albero di contromezzano / albero di belvedere
1 x 3 x 110 mm. (1)	Main, Fore & Mizzen Top Mast Crosstrees – Barre traversa di albero di maestra e albero di contromezzano/ albero di belvedere
2 x 2 x 500 mm. (2)	Grating borders – Bordo di boccaporto
2 x 3 x 760 mm. (1)	Grating; Main Topgallant Crosstrees – Bordo do boccaporto; Barre traversa di albero di pappafico di maestro
3 x 15 x 400 mm. (1)	Channels – Parasartie; Fairlead - Passacotte

6 x 6 x 300 mm. (1)	Bits & Bollards – Pazienza e Bitta [Nos. <u>10, 22, 23 & A2</u> , bowsprit knee]
	I divided this as follows:
	10: 66 mm. (to deck level only)
	22: 40 mm. (to deck level only)
	23: 122 mm.
	A2: 37 mm. (vertical section of bowsprit knee)
	N.B. 16: Made from scrap timber

8 x 8 x 200 mm. (1)	Catheads - Gru di capone
2 x 20 x 760 mm. (1)	Gun Port Hatch - Portelli cannoni
1 x 14 x 760 mm. (1)	Gun Port Hatch Lining - Battuta portelli cannoni
2 x 4 x 400 mm. (1)	Stern Buttocks (side quarter galleries) Decoration

Accessories

Anchors:

Bow: 72 mm with stock (2) – Ancora di poasta da mm. 72 con ceppo (Art.11/108)

Stern: 83mm with stock (2) - Ancora da mm. 83 con ceppo (Art.11/109)

Barrels (2) – Botte (Art.22/111)

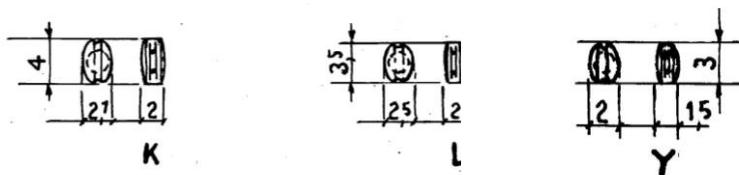
Belaying Pins: 14 mm. (15) - Caviglia da mm. 14 (Art.22/088); **12 mm. (12)** – Cavig.da mm. 12 (Art.22/088)

Binnacle (1) - Chiesuola campana (Art.11/363)

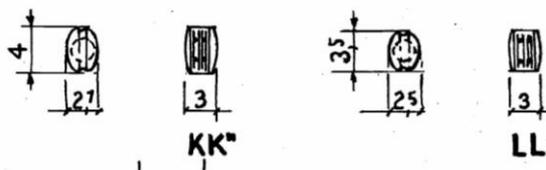
Blocks:

N.B. The plan sheet shows a larger variation of block sizes than that provided in the kit. This kit has amalgamated a number of blocks with similar sizes together – e.g. Y, L and K all use the same sized block.

K + L + Y : 3mm., 1 hole(132) - Bozzelli da mm. 3 a 1 foro (Art.22/026)



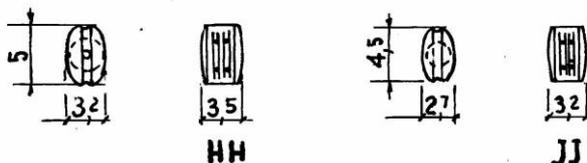
KK + LL : 3mm., 2 hole(20) - Bozzelli da mm. 3 a 2 foro (Art.22/031)



H + J : 5mm., 1 hole (50) - Bozzelli da mm. 5 a 1 foro (Art.22/028)

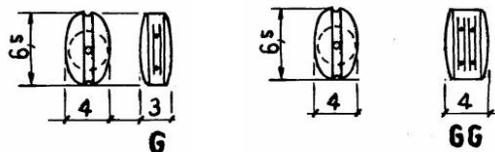


HH + JJ : 5mm., 2 hole (15) - Bozzelli da mm. 5 a 2 fori (Art.22/032)

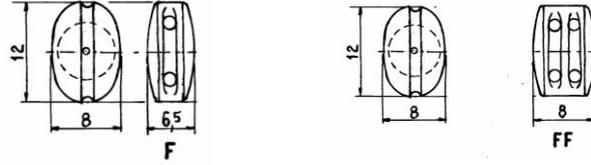


G : 7mm., 1 hole (15) - Bozzelli da mm. 7 a 1 fori (Art.22/030)

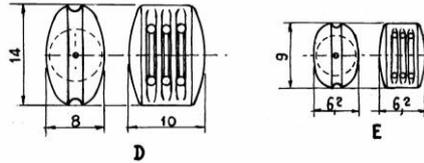
GG : 7mm., 2 hole (5) - Bozzelli da mm. 7 a 2 fori (Art.22/034)



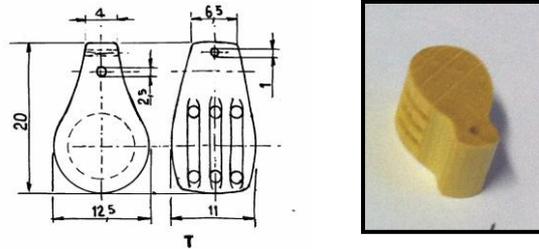
- F :** 10mm., 1 hole (5) - Bozzelli da mm. 10 a 1 fori (Art.22/116)
FF : 10mm., 2 hole (5) - Bozzelli da mm. 10 a 2 fori (Art.22/115)



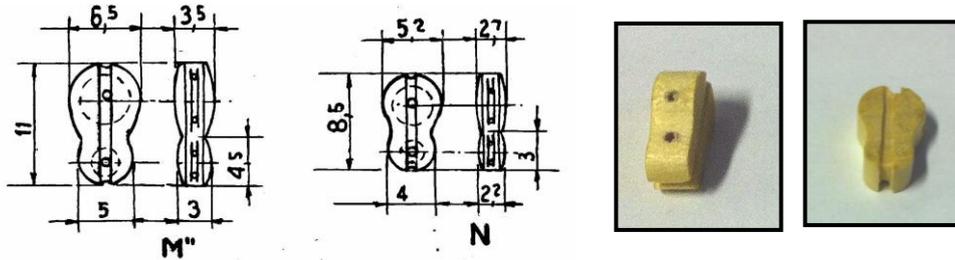
- D + E :** 10mm., 3 hole (5) - Bozzelli da mm. 10 a 3 fori (Art.22/114)



- T :** Viol, 16 mm. (2) - Bozzelli a violino da mm. 16 (Art.22/129)



- M :** Heart, 11 mm.(20) - Bozzelli a cuore da mm. 11 (Art.22/084)
N : Heart, 7 mm. (12) - Bozzelli a cuore da mm. 7 (Art.22/083)



N.B. Euromodel supplies M & N as heart blocks; technically they are fiddle blocks but commercially difficult to source and the heart blocks can be rigged in a 'similar' manner.

Blocks P,Q,R,S & U – a challenge or a compromise

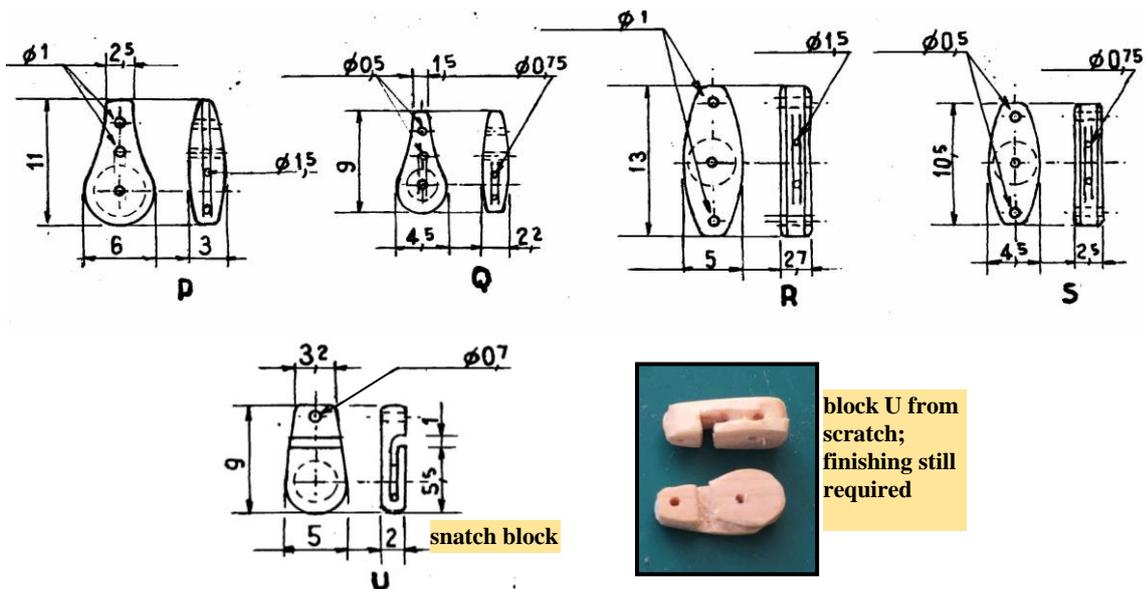
Euromodel drawings are renowned for their depth of detail and it is here that the ship builder may sense some frustration. The blocks are rather unique for this time period and in producing this kit, it was not possible for Euromodel to replicate these blocks as the cost of their exact production would be prohibitive. It is important to remember that the kit is only the basis for building a ship but the drawings show far more detail in many areas than would normally be expected.

The block drawings are a classic example – the detail is there for the enthusiast to build his own blocks from scratch but alternative supplied blocks (**M**) that are physically quite different in shape *could* be used.

To the builder, this may seem a compromise but in the overall build, it will not be observed.

In my own personal build I had no hesitation in creating blocks that were a replication of those shown in the drawings. This was not a difficult exercise but simply one that consumed much time and patience (many blocks were broken during this time). The exercise also made me realise that production of such blocks would not be commercially viable.

P (4), Q (6), R (4), S (6) & U (4)



N.B. Close-up with the camera produces ‘unkind’ images showing flaws not normally observed. There are distinct variations between the block produced and the drawing – not deliberate but they occurred during production. A hole has been drilled for the spindle going through the ‘sheave’.

Capstan, 19 x 25 mm (1) – Argano (Art.22/133)

Cleats ('Staghorns') (6) - Tacchetto ad orecchia (Art.11/271)

item number '13' ... inner bulwarks – upper quarter/main/forecastle decks

Cleats, small (12) – Galloccia di cavo buono (Art 11/048)

item number '7' on plan ... /masts on deck, 6/ bowsprit foremast knee, 2/bowsprit, 4/

Cleats(groove underneath) (2) - Galloccia di cavo (Art 11/049) ... Mainstay, 1; Forestay, 1

item number '39' on plan/ Plan 07/Particolare 3

Columns (15) – Colonnine (Art 22/119)

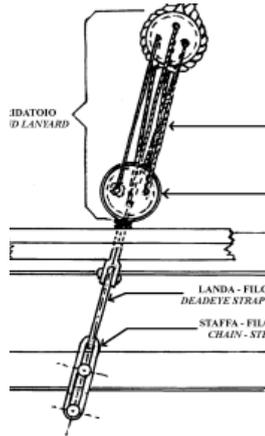
Deadeyes:

- 7 mm. (60)** - Bigotta da mm. 7 (Art.22/022)
- 5 mm. (32)** - Bigotta da mm. 5 (Art.11/020)
- 3 mm. (26)** - Bigotta da mm. 3 (Art.11/018)

Deadeye Straps:

- 3mm. (8)** - Landra da mm. 3 (Art.11/358)
- 5mm. (12)** - Landra da mm. 5 (Art.11/313)
- 7mm.(30)** - Landra da mm. 7 (Art.11/306)

Eye Pins, 2 mm. (40) - Anelli diam. mm. 2 con gambo



Whilst the drawings (on the left) indicate the use of chains and plates as part of the deadeye rigging, this kit has supplied deadeye straps in their place (above photo).

Flag set (1) - Serie completa bandiere (Art.13/024)

Grating strips

1.5 x 1.5 x 60mm. (250) - elementi per paiolato da mm. 60 (Art.22/003)

Armament

Full Cannons - Cannoni:

- 55mm. (20)** (Art.11/084): **gun deck**
- 50mm. (18)** (Art.11/114) : **main deck**
- 45mm. (10)** (Art.11/115) : **forecastle & quarter decks**
- 38mm. (4)** (Art.11/116): **upper quarter deck**

Gun Carriages-Affusti per cannoni

- 35mm. (38)** (Art.22/123);
- 27mm. (10)** (Art.22/125);
- 21mm. (4)** (Art.22/008)

Gun Door Hinges (84) - Cerniere portelli cannoni (Art.11/052)

Trucks - Ruote per cannoni **5mm.(28)**; **6mm. (64)**; **7mm.(76)**; **7.5 mm. (40)**

Axles (carriage wheels) wooden rod

- 4 x 200mm (3)**- Tondini di kotò diam.mm. 4 per assali affusti
- 3 x 200mm (9)**- Tondini di kotò diam.mm. 3 per assali affusti
- 2 x 200mm (3)**- Tondini di kotò diam.mm. 2 per assali affusti

Wheel (truck) Distribution

	5	6	7	7.5
Gun	-	-	40	40
Main	-	36	36	-
F'csle/Quarter	20	20	-	-
Upper Quarter	8	8	-	-

Mast Caps – Testa di moro (3) (Art.22/043); (4) (Art.22/044); (2) (Art.22/045); (2) (Art.22/046)

- Bowsprit:** A4,10 x 16 / A7, 8 x 12
- Foremast:** B3, 16.5 x 24.5 / B6, 10 x 16 / B9, 8 x 12
- Main:** C3, 16.5 x 24.5 / C6, 13 x 21 / C9, 10 x 16
- Mizzen:** D3, 13 x 21 / D6, 8 x 12
- Ensign:** E1, 10 x 16

Metal Decorations Set (124) - Serie completa decorazioni fuse (Art.11/102)

Metal Decorations Set , Stern - Serie completa decorazioni fuse di poppa (Art.33/008)

Plaque (1) - Targa invaso (Art.12/004)

Rigging yarn

0.25mm., 10m. (Art. 77/025); 0.40mm., 10m. (Art. 77/040); 0.60mm., 10m. (Art. 77/060); 0.80mm., 10m. (Art. 77/080);
1.0mm., 10m. (Art. 77/100); 1.50mm., 10m. (Art. 77/150)

Rudder hinges (5 sets) - Cerniere timone complete (Art.11/052)

Sail Boat Hull:

110 mm. with keel (1) - Scialuppa da mm. 110 (Art.88/009);

150 mm. with keel (1) -(Art.88/013)

Sail Cloth, 450 x 900 mm. - Serie tela per vele mm. 450 x 900 (Art. 15/004)

Stairs: 2 x 5 x 80mm (2 supplied – sufficient for 3 sets) - Scale (Art.22/070)

Staghorn Cleats (see ‘cleats’ above) (6) – Tacchetto ad orecchia (Art.11/271)

Stern Lantern (1) – Fanale di poppa (Art 55/003)

Set of Plans (12 sheets) - Serie disegni (No 12 Tavole) (Art.66/004)

Instructions - Istruzioni

Colours

Bianco - white

Nero – black

Oro antico – antique gold

Rosso vivo – bright red

Giallo ocra – ochre

Legno noce – walnut

Verde marcio – green

Euromodel have made the following suggestions but in the end it is up to you, the builder.

Transom Figure

The panel must be fully painted before it is cut. The colours should be diluted sufficiently so that it produces a very light shade in order to maintain the realism of the wood panel.

sky: blue

ground: brown

horse: yellow

tunic: red

face: flesh

saddle: brown

Decks: natural colour finished with wax or varnish

Gun barrels burnished



Figure 9: Stern Colouring Example

Non-ferrous kit items not covered by the colour of the detail they are attached to (e.g. gun door hinge) can be painted with a black & silver mixture to simulate steel.



Figure 10: Colour Scheme Used by a Modeller

Red

gun carriages, winches, capstans, bits, shell holders, belaying racks, pin racks, inside of gun port doors. **[N.B. 'red' paints were manufactured using pigments such as red lead & iron oxides; the resultants paints were therefore a darker red & not a primary red colour].**

Walnut

inside bulwarks, handrails, stairs, hatchway coamings, mast coamings, masts & yards, tops & crosstrees, capstans, inside of life boats & their stands, blocks, deadeyes & belaying pins.

Chapter 4: METAL ORNAMENTATIONS

Transom



Figure 11: Upper Transom Top Edge

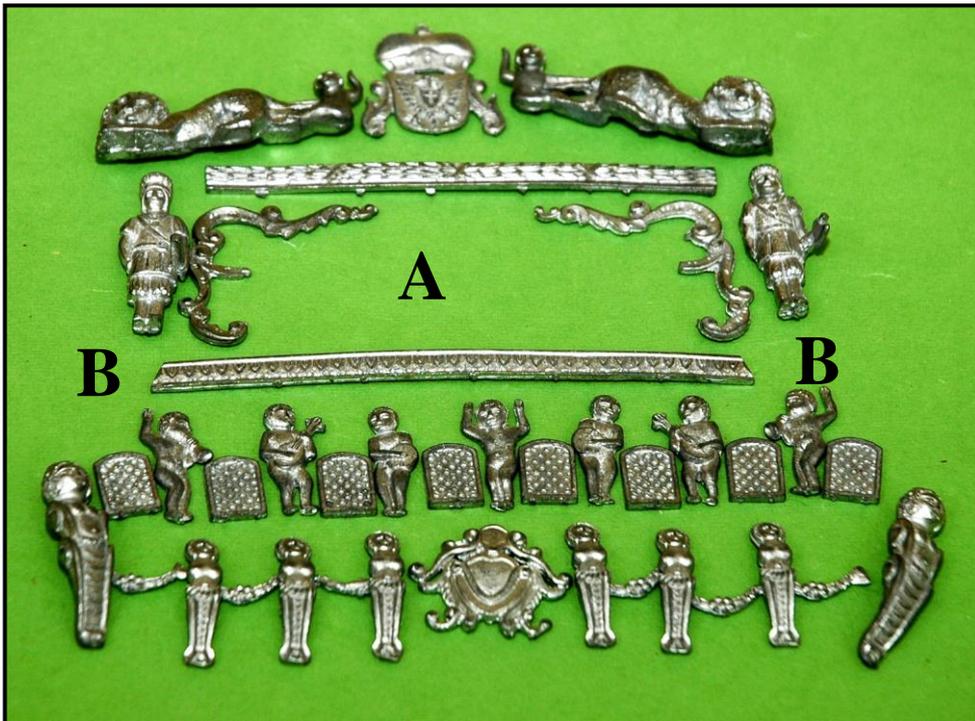


Figure 12: Upper & Lower Transoms

NOTES

Considerable cleaning up of the pieces was required as well as alterations to size to fit them into the space available. All were painted before applying to the transoms.

‘A’: printed figure on thin plywood is provided BUT I chose to create a three-dimensional carving instead. Others will probably choose to re-draw this figure on the reverse side.

‘B’: as the plan sheets state, these corner decorations need to be created by the modeler.

Quarter Gallery

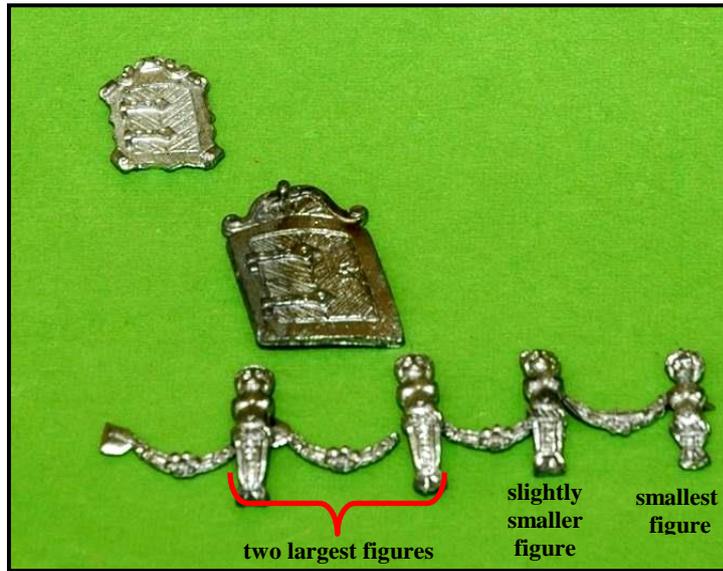


Figure 13: Quarter Gallery (x 2)

Hull Sides

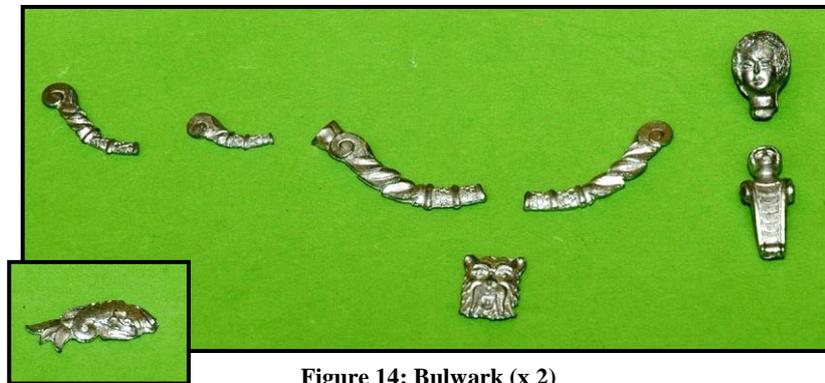


Figure 14: Bulwark (x 2)