



游船居舍

Jonquinette 4.72m Summary

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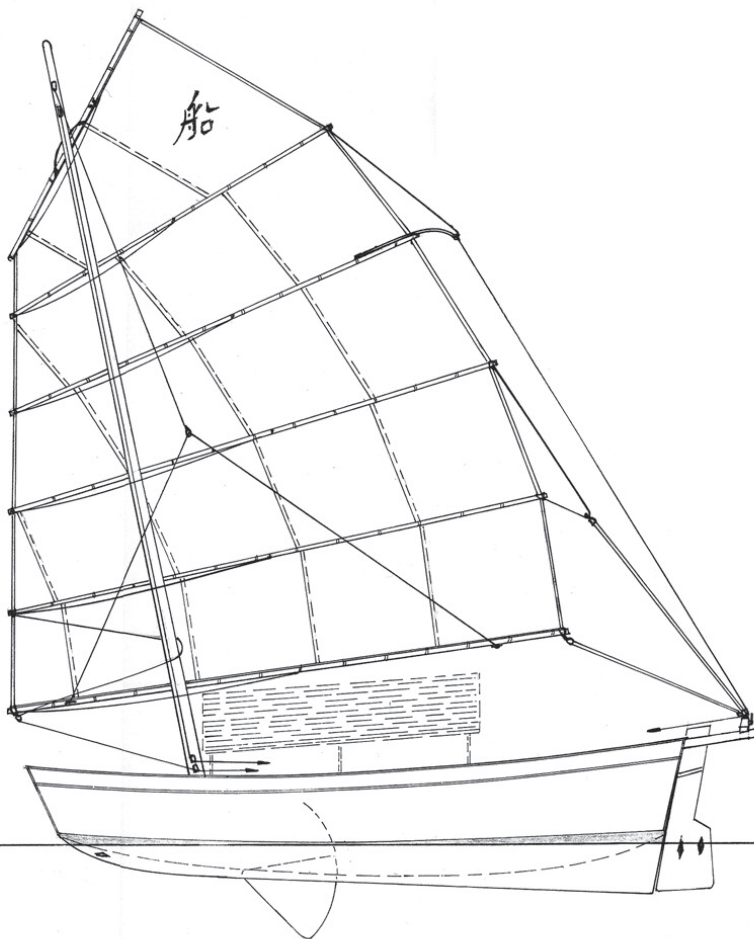
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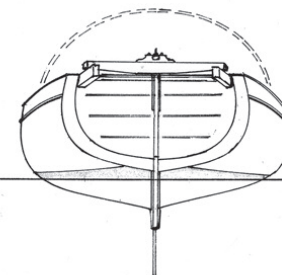
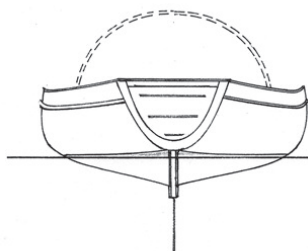
PRINCIPAL CHARACTERISTICS

Overall length	5.50 m
Length of hull	4.72 m
Length of waterline	4.30 m
Maximum beam	1.90 m
Beam at waterline	1.56 m
Draught	0.35 m-0.70 m
Displacement	290 kg
Ballast	70 kg
Sail area	13.20 m ²
Freeboard forward	0.55 m
Minimum freeboard	0.49 m
Freeboard aft	0.75 m



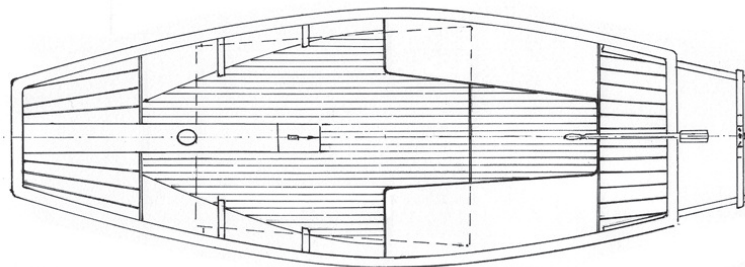
JONQUINETTE

Dimitri Le Forestier
Architecte Naval IFAN



PLANS LIST

- 472/0 Overall view (In plan, elevation, section)
- 472/1 Lines plan and offsets table
- 472/2 Construction plan
- 472/3 Centreboard casing and centreboard
- 472/4 Sail plan
- 472/5 Rudder hinges
- Equipped thwart



游 To go for a walk
 船 Junk / boat
 居 To live in
 舍 House



THE 4.72M JONQUINETTE: A SMALL YACHT WITH BIG CHARACTER

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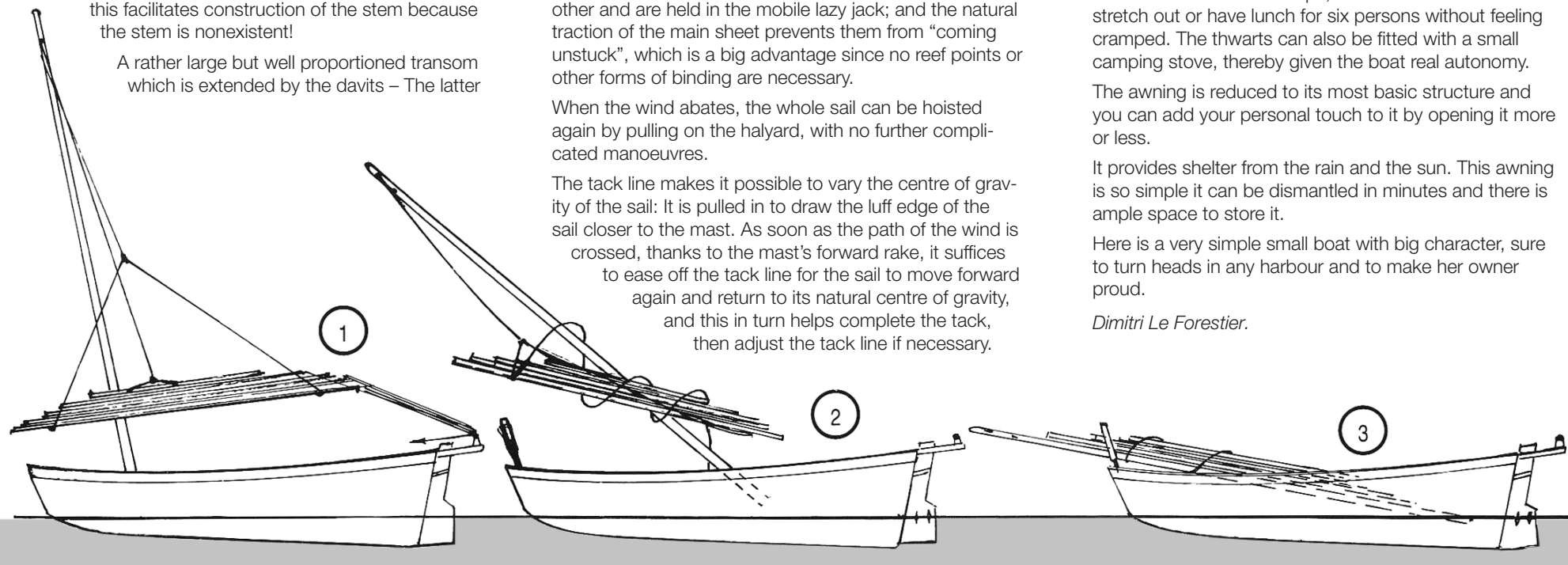
From 7 years old to 80 years old, we have all wished at some stage or other that we could sail from harbour to harbour, along a river or canal, in a simple boat, genre fishing/promenade, lightweight thereby transportable, economic to build and to use.

This introduction does not translate into heavy and slow sailing, quite the opposite: Judging by its forms, this boat will not get left behind – no one likes to be slow nowadays.

Those who are somewhat familiar with the strip-planking construction method, will not be surprised by its extremely simple construction: Six lightweight frames covered with a single layer of bead and cove planking.

The bow's shape follows Chinese tradition and this facilitates construction of the stem because the stem is nonexistent!

A rather large but well proportioned transom which is extended by the davits – The latter



not only provide an anchor point for the Yuloh (Chinese sculling oar), they also make it possible to set the lower sheet blocks for the main sheet as far back as possible, and it frees the after deck by as much.

We note that, for security reasons, the centreboard is of the pivoting kind. It is indeed common for this type of small boat to land directly on a beach – With a dagger board, the damage risk are obvious.

The Jonquette can be quipped with a 9 hp motor (6.6 kW is most adequate given the boat's weight).

We know that the advantage of the junk rig lies in its easy handling, reefing is practically automatic because all that needs to be done is to release the halyard for a bamboo batten to drop its height of sail (drawings 1 and 2). As the sail is reefed, the battens neatly stack on top of each other and are held in the mobile lazy jack; and the natural traction of the main sheet prevents them from "coming unstuck", which is a big advantage since no reef points or other forms of binding are necessary.

When the wind abates, the whole sail can be hoisted again by pulling on the halyard, with no further complicated manoeuvres.

The tack line makes it possible to vary the centre of gravity of the sail: It is pulled in to draw the luff edge of the sail closer to the mast. As soon as the path of the wind is crossed, thanks to the mast's forward rake, it suffices to ease off the tack line for the sail to move forward again and return to its natural centre of gravity, and this in turn helps complete the tack, then adjust the tack line if necessary.

It is the equivalent of the jib on Western rigs, and it can't be made simpler!

Unmasting is also very simple: No turnbuckles or other tighteners to worry about (other than the threaded rod which secures the mast in the mast step). Once the sail is furled we pick up the mast/sail bundle with both arms and place the top of the mast in a small support at the bow, the foot of the mast rests on the floor panels (drawing 3).

Fittings, whilst classically inspired, are up to date. The thwarts form a very practical "room" as it is the equivalent of a comfortable cockpit; we can lie down and stretch out or have lunch for six persons without feeling cramped. The thwarts can also be fitted with a small camping stove, thereby given the boat real autonomy.

The awning is reduced to its most basic structure and you can add your personal touch to it by opening it more or less.

It provides shelter from the rain and the sun. This awning is so simple it can be dismantled in minutes and there is ample space to store it.

Here is a very simple small boat with big character, sure to turn heads in any harbour and to make her owner proud.

Dimitri Le Forestier.