

WASC 2284

Boat Specifications

WALTHAM ABBEY.

BOAT EXTRACTS FROM
WASC 1260

MANUFACTURING PROCESS FOR

CORDITE PASTE.

PROCESS FIRST ISSUED OCTOBER 1942.

N.G. DRY GUNCOTTON BOAT

SPECIFICATION R.G.P.F. NO.780 DRAWING NO. M.343.A.

DIMENSIONS:- Overall length 33'0", width 8'0", depth in the centre of boat 2'2" rising at the ends to 3'0".
House - 20'0" long, 8'0" wide, 5'7" high in the centre.
End doors 5'2" x 1'8", Side openings 4'3" x 2'10".

The boat is round headed both ends, flat bottomed, with a semi-circular roofed house situated in the centre of its length, doors each end opening outwards. The side openings are covered with canvas flaps fixed at the top.

The main construction is of oak, with bottom, false floor and house sides in yellow deal. Timber in contact with water is set with tar and hair. Points on the boat receiving hard wear are metal covered, and a fender of rope approx. 4" diameter is fixed around the outwales.

The complete boat is painted 3 coats best oil paint, with the exception of the outer surfaces below the outwales which are blacked and blacklead.

N.G. WET GUNCOTTON BOAT - "SETTING BOAT"

SPECIFICATION R.G.P.F. NO.927 DRAWING NO.226/41 AND M.343

DIMENSIONS:- Overall length 36'0", overall width 10'4", depth in the centre of the boat 2'7", rising at the ends to 3'4". House - 22'10" long, 9'4" wide, height to eaves 5'0". Height in centre 5'6". End doors 5'2" x 2'9", Side openings 3'3" x 2'11".

The boat is round headed, has a stern similar to a barge complete with rudder and tiller and is flat bottomed. The house has vertical sides with a cambered roof, and is situated in the centre of the length of the boat with double doors each end opening outwards. The side openings have sliding doors and have canvas flaps fixed at the top.

The main construction is similar to the of the H.G. Dry Guncotton Boat.

N.G. DRY GUNCOTTON BOAT - QUINAN TYPE

SPECIFICATION R.G.P.F. NO.841 NO DRAWING

DIMENSIONS:- Overall length 26'0", wide 6'0", depth in the centre of the boat 2'2", rising at the ends to 2'6".

House - 14'0" long, 6'0" wide, 5'6" high in the centre.

End doors 5'2" x 1'8". Side openings 4'3" x 2'10".

The boat is swim headed both ends, flat bottomed, with a semi-circular roofed house situated in the centre of its length, doors each end opening outwards. The side openings are covered with canvas flaps fixed at the top.

The main construction is similar to that of the previous boat mentioned.

BOATS FOR EXPLOSIVES

SPECIAL RULES

The Chargeman or, when no Chargeman is present the Senior Boatman, is responsible for the observance of the following Special Rules:-

1

Boats are to be cleaned and examined before use; They are also to be examined for any leakage after loading.

2

Boats containing explosives or their ingredients are not to be left unattended, except during a thunderstorm.

3

The slides of boats are to be shut, except when loading or unloading. The end doors are not to be left open.

4

The leather pads and loading boards, where provided, are to be used when loading or unloading.

5

The "clean" towing ropes are not to be used for mooring purposes. Boats are to be moored by passing the mooring ropes through the rings on the wayling, and securing them.

6

Boats in motion are to be kept clear of the wayling and banks.

7

Boat poles are not to be used in puddled cuts.

8

The floor and platforms of all Gunpowder Danger Buildings are to be wetted before loading into and unloading from boats.

9

Boatmen are to see that bags containing explosives are securely tied up before they are loaded into or unloaded from boats.

10

Boats with explosives are not to approach, or be moored within the red boundary posts of any Danger Building displaying a red signal, until the signal has been lowered.

11

Boats with explosives are not to approach, or be moored within, the red boundary posts while a boat is being loaded or unloaded under the hood at the Lower Island.

12

Boats, either with explosives or empty, are not to be taken under any bridge if anybody is standing on or crossing over the bridge.

13

Boats with explosives are not to pass any barge or boat between the Lower Stores Yard Crane and the entrance to the Lower Island Cut, until the Boatmen have ascertained that there is no fire or light on board such barge or boat.

14

Should a barge be passing through the water lying between the Hospital and Lower Stores Yard Crane, no boat with explosives is to enter that water until the barge has passed through, or has been moored to give a free passage.

15

Boats with explosives are not to pass under the Refinery Bridge until the Chargeman has ascertained that no steam lorry or other dangerous traffic is in the vicinity.

16

All boats passing up or down the Mill Head Stream are to keep outside the hoods of the Guncotton Stoves.

17

When boats proceeding in opposite directions have to pass one another, the boat going upstream is to take the inside station.

18

For opening and closing lock gates, the ropes and chains provided are to be used. The hand-rails are not to be used for these purposes, and the ropes are to be first cast off from the hooks. When done with the ropes are to be recoiled and replaced, clear of the water, on the hooks.

Lower gates of locks are not to be closed by opening the upper slackers and allowing a rush of water through the lock.

19

The boats belonging to No.2 Granulating House and No.1 Breaking Down House are to be moored inside their respective boat houses, when their Danger Buildings are at work.

20

On cesaation of work at the end of the shift, day or week, boats are to be emptied and cleaned out, and moored at the places appointed.

Boats used for Dry Guncotton or Paste are to be thoroughly washed out with a hose every six months.

21

Boats containing explosives are not to approach within 30 yards of boats or other apparatus containing internal combustion engines until such engines have been stopped.

22

Unmixed paste is to be conveyed from a pouring house to a mixing house direct. Intermediate calls must not be made.

BOATS G/C & PASTE (MIXED & UNMIXED)

LIMITS

Explosives

Guncotton 32 bags	..	..	..	..	..	1300-lbs.
Paste (mixed or unmixed) 32 bags	..	..		..	..	2000-lbs.