# TOM TAYLOR & SONS, Ltd., Marine and General Engineers, Yacht, Tug, & Boat Builders, Staines, England.



On War Office and Admiralty Lists. and Contractors to Crown Agents.







E have pleasure in presenting our 1912 Catalogue of Boats, and would like to point out that having been in this trade for a considerable number of years and built upwards of 200 boats of all descriptions, we are in a position to supply exactly what customers require and to give quick delivery consistent with good work.

We have 3 slips at our Staines Works and all machinery necessary for the construction of Boats up to 100 feet in length and 17 feet in breadth for finished boats, i.e., rivetted up complete (the size of the Thames Locks will not allow of greater breadth) but if boats are to be exported in sections or plates and angles we can build larger.

Should our customers desire we shall be pleased to build Hulls only, and fit any make of propelling machinery they wish and we shall at all times be pleased to give advice as to what type of machinery we think most suitable.

In conclusion, we may say, we shall be pleased to submit plans and specifications upon receiving a few short particulars as to the work the boat is required for.

Yours,

TOM TAYLOR & SONS, LTD.

# GENERAL.

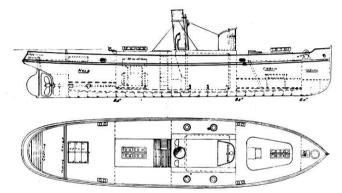


All prices are quoted for delivery alongside Ship, London, or F.O.R. Great Western Railway, Staines Station, unless otherwise noted.

TERMS.—One quarter of price with order and balance upon completion of order unless otherwise arranged.

PACKING.—All packings are charged at nett cost.

In the case of the larger Tug Boats destined for a distant port, we usually find that shipment at Liverpool is best on account of shipping and lifting facilities, and we shall be pleased to quote a special inclusive price for delivery to this Port.



50 feet  $\times$  10 feet Passenger and general purpose launch, suitable for river and estuary work and capable of light towing Carrying capacity 50 to 60 persons and 10 tons of cargo. Draught loaded 3 feet 3 inches. Speed 10 knots.

This type of Boat is built from 50 to 80 feet in length and from 10 to 17 feet beam.

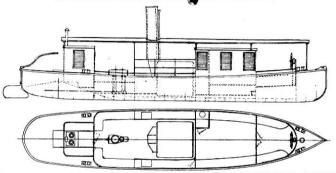
#### SPECIFICATION.

Stem, Keel Bar and Stern Frame of forged Iron. Plating throughout of Siemens mild steel Plates. Frames of Steel Angle. Hatches, Seats, &c. of Teak. Decks of Oregon Pine. Marine Return Tube Boiler and Compound Condensing Engines.

Price from £900 0 0.

Or if fitted with Paraffin Engine £950. Extra for Hull in Galvanized Steel £110.

The above Boat can be built in Sections and partly rivetted at works or sent out in plates and angles.



## 50 FEET TUNNEL STERN SHALLOW DRAUGHT PASSENGER LAUNCH

Engine and Boiler Bearers of Sfeel Plate and Angle.

Teak decks fore and aft, Teak covering Board.

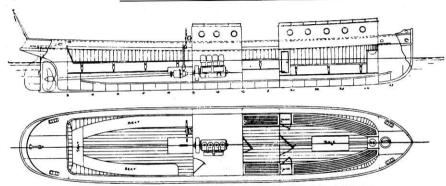
For use in hot climates, built under Board of Trade or Lloyds' Survey for carrying passengers. A very useful and handy boat and can be fitted for towing if desired. Draught I ft, 9 inches.
Built in various sizes from 40 feet and upwards. Can be shipped whole or in sections.

GENERAL SPECIFICATION.

Stem of Forged Iron. Frames, Stringers and Keelson of Steel Angle, Plating throughout of Siemens Mild Steel Plates \( \frac{1}{2} \) and \( \frac{1}{16} \) thick. Teak Cabin forward and Teak Lavatory Aft. Marine Type Return Tube Boiler constructed for a working pressure of 140 lbs., with smokebox, funnel and all fittings. Pair of High Pressure Engines fitted with balanced cranks, link reversing gear, feed pump, &c., &c.

Light pine Awning fitted full length of vessel. Thrust Block, Shafting and Propellor. Wheel Steering Gear fitted on forward deck. Windlass, Bollards, Cabin fittings, &c., &c.

Price 4750 0 0 Extra for Galvanized Hull and fittings (subject to market fluctuations) £100 0 Extra for Condensing Machinery £85 0 0 Can be fitted with Paraffin Motor if desired.



## 60 FEET GENERAL PURPOSE MOTOR DRIVEN LAUNCH

Suitable for passenger and cargo carrying, for use in Harbour or Coasting and can be fitted for towing if desired. Speed 9 Knots.

' Draught 3 to 4 feet. Built up to 70 feet in length and shipped whole or in sections.

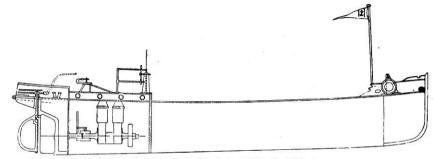
GENERAL SPECIFICATION.

Stem and Stern Frame of solid forged iron. Frames of Steel Angle.

Bulwarks of Siemens mild steel plates 15" high 1" thick. Decks of steel or teak.

Plating of Siemens mild steel plates throughout  $\frac{1}{4}$  and  $\frac{1}{4}$  thick. Cabin of steel or teak. Engine Casing of steel or teak.

Engine Casing of steel or teak.
Engine 4 cylinder 50 h.p. Paraffin Motor, fitted with reverse gear, fuel tank (sufficient for 4 days cruise) silencer, &c. Shafting and solid Gun Metal Propellor.
General Outfit supplied (see end of Catalogue).
Price \$1,200 0 0 or with Teak Hull \$1,150 0 0.
Extra for Galvanized Hull and Fittings \$120 0 0.



50 feet by 14 feet Motor Driven Steel Cargo Boat. Draught-loaded 4 ft. Speed, 9 knots.

This Boat is specially suitable for use in mouths of rivers and harbours where quick transit is necessary and if it is possible to obtain crude cil it will be found much cheaper to run than a steam driven boat, also there is a great saving in space and weight, and consequently, more cargo can be carried.

This Boat will carry approx, 25-40 tons of cargo and can be fitted with hand or motor driven derrick for loading and unloading.

#### GENERAL SPECIFICATION.

Stem and Stern Frame of forged Iron. Plating throughout of Siemens Mild Steel Plates 10" thick. Frames of Steel Angle 2" × 2" × 1".

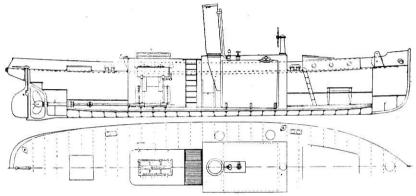
Bulwarks of Siemens Mild Steel Plates 1" thick.

Two Cylinder Paraffin Motor giving 50 h.p. at 350 revolutions and fitted with reverse gear, starting gear, ball bearing thrust block shafting, stern tube and propellor,

Teak Wheel. Steering Gear and all connections.

Windlass, Towing Hook, Anchor and Chain, 1 set of Navigation Lights, &c., &c., and general cutfit (specified at end of catalogue) Price from £1,250 0 0.

Extra for Galvanized Hull and Fittings £100 (subject to market fluctuations).



55 feet by 13 feet Harbour and Coasting Tug, suitable for heavy work. Draught 5 feet. Speed 9 to 10 knots. Built 50 feet to 70 feet in length and 12 feet to 16 feet in breadth.

GENERAL, SPECIFICATION.

n. Plating throughout of Siemens Mild Steel Plates 4" and 3" thick.

Bulwarks of Mild Steel Plates Ts" thick and Steel Angles.
Engine and Boiler Casings of Steel Plate, 4" thick.

Stem, Keel Bar and Stern Frame of Forged Iron.

Prames, Stringers, &c. of Steel Angles, 2" × 2" × 4"

Decks of Steel Chequer Plate, 4" thick.

Decks of Steel Chequer Plate, 1" thick. Cabin, Hatches and Companion of Teak.

Marine Return Tube Boiler built under Board of Trade Survey for 140 lbs. working pressure. Duplex Feed Pump.

Marine Return Tube Boiler built under Board of Trade Survey for 140 lbs. working pressure. Duplex Feed Compound Surface Condensing Engine  $\frac{9 \times 18}{12}$ 

Steel Tail Shaft and 3 bladed Propellor.

Teak wheel and strong Steering in wheel house.

Boat fitted with Windlass, Engine Room, Telegraph, Anchor and Chains, &c., &c., Small Cabin forward fitted up for Crew.

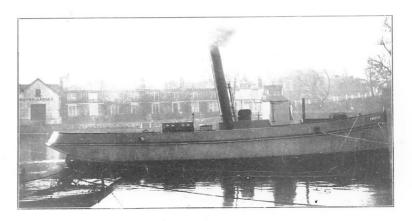
Price from £1.400 0 0.

Shipping Weight approx. 28 Tons.

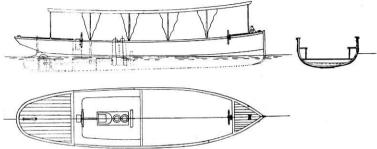
Extra for Galvanized Hull and fittings £130 (subject to market fluctuations).

This Boat can be fitted with Paraffin Engines instead of Steam if necessary.

On opposite page is a print of a 55 feet boat of this type in use on this river for barge traffic.



PRINT OF TUG "EMPEROR."



## PASSENGER AND CARGO LAUNCH.

35 ft. × 8 ft.

Draught 2 ft. 6 in.

Speed 8 miles.

The above is a most useful class of Motor Boat as a ship's tender for conveying passengers and a few tons of stores or for use as a passenger ferry boat or for light towing. It has a good beam, making it steady in rough water and is built very strong as per specification below.

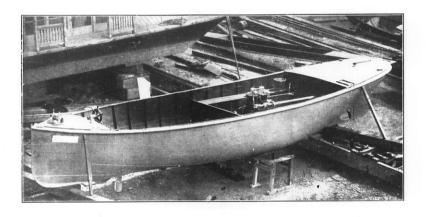
GENERAL SPECIFICATION.

Stem and Stern Frame of 3" × \$" forged iron. Plating throughout of Siemens Mild Steel Plates 1" and 16" thick

Decks fore and aft and batten Seats of Teak.

Two Cylinder Paraffin Motor giving 20 h.p. at 350 revolutions, fitted with reverse gear, thrust block, stern shaft and Propellor, wheel steering gear, Windlass, Bollards, &c., &c.

Price from £400 0 0. Extra for Galvanized Hull and Fittings £25 (subject to market fluctuations).



PRINT OF 35 ft. LAUNCH WITHOUT AWNING FITTED.

of this type built.

#### RIVER TYPE PASSENGER LAUNCH "LA MARGUERITE."

Length 85 ft. Breadth 16 ft. Depth 5 ft. Draught 3 ft. 6 in. Speed 9 miles.

Licensed by Board of Trade to carry 389 passengers.

This is a first-class type of boat for running excursion parties where the comfort of passengers must be studied.

It is built with a flush deck forward and large saloon aft capable of seating 100 passengers and a roomy cockpit aft. Two Lavatories are fitted under forward deck.

We can highly recommend this class of boat, having built six of this type.

#### GENERAL SPECIFICATION.



RIVER PASSENGER LAUNCH "LA MARGUERITE."

## RIVER TYPE PASSENGER LAUNCH.

Length 65 feet. Breadth 11 feet. Depth 4 feet. Draught 3 feet. Speed 9 miles.

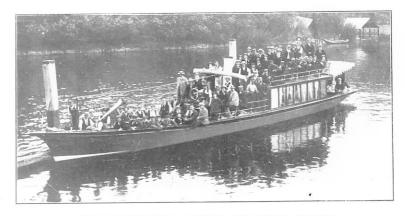
Licensed by Board of Trade to carry 106 passengers.

Extra for Condensing Machinery

Built with sunk deck forward and saloon aft capable of seating 30 passengers, and large cockpit.

## GENERAL SPECIFICATION.

Stem, Stern Post, &c. of English Oak.									
Keel, Keelson and Timbers of Rock Elm.									
Planking of Teak and Oregon Pine.									
Beams of English Oak.									
Decks and Cabin of Teak.									
Marine Return tube Boiler built under Boa	rd of T	rade st	irvey fo	or 120	lbs. wor	king p	ressure	е.	
Pair of High Pressure Engines, steel tail as	nd inte	rmedia	te shaf	ting, tl	nrust b	lock an	d prop	ellor.	
Wheel Steering, deck fittings, awning and	general	outfit	(specifi	ied in e	end of o	catalog	ue).		
Price of Boat complete with Wood Hull		994		**				£700	
Price of Boat complete with Steel Hull				* *		**		£850	
Extra for Galvanized Hull and fittings (sul	bject to	mark	et fluct	uation	5)	7.1	400	£95	



RIVER PASSENGER LAUNCH "DIAMOND QUEEN."

SUPPLIED FOR USE IN WEST AFRICA,

## Tunnel Stern Motor Driven Shallow Draught, Cargo and Passenger Launch.

Suitable for very shallow rivers, lakes and canals, carries 12 passengers and ten tons of cargo on a draft of 2 feet. Built in various sizes from 50 feet to 80 feet in length and shipped whole or in 3 or 5 sections.

#### GENERAL SPECIFICATION.

Frames of 14" × 14" × 16" Steel Angle.

Reverse Frames of  $1\frac{1}{2}'' \times 1\frac{1}{2}'' \times \frac{3}{16}''$  Steel Angle.

Stringers of 2" × 2" × 1" Steel Angle.

Plating of Siemens mild Steel throughout, 12 and 14 gauge.

Teak Decks fore and aft.

Teak Cabin and Lavatory fitted aft.

Wood Awning mounted on Steel Angles, fitted full length. 25 h.p. 2 Cylinder Paraffin Motor fitted with Reverse gear, silencer, &c., &c.

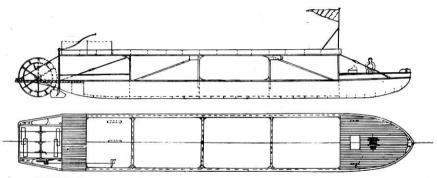
Windlass on forward deck.

Wheel Steering Gear and double rudders.

Bollards, Fairleads, Towing Hook, &c., &c.

Prices from £500 0 0.

Extra for Galvanized Hull and Fittings from £70 0 0 (subject to market fluctuations).



## MOTOR DRIVEN STERN WHEELER, FITTED WITH DOUBLE RUDDERS.

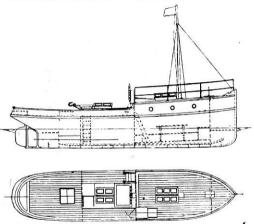
Suitable for very shallow navigation, carries 12 passengers and ten tons of cargo on a draught of 18 inches. Built in various sizes, from 50 to 80 feet in length and shipped whole or in sections.

#### GENERAL SPECIFICATION.

Prames of  $1\frac{3}{4}'' \times 1\frac{3}{4}'' \times \frac{3}{4}^{*}$  Steel Angle. Reverse Frames of  $1\frac{3}{4}'' \times 1\frac{3}{4}'' \times \frac{3}{4}^{*}$  Steel Angle. Stringers of  $2'' \times 2'' \times \frac{3}{4}$ . Steel Angle. Plating of Siemens Mild Steel throughout. Decks and Covering Boards of Steel.

Wood Awning, fitted full length. 25 h.p. 2 Cylinder Paraffin Motor, fitted with Reverse Gear, Silencer, etc. Windlass on forward deck.

Bollards, Fairleads, Towing Hook, etc., etc.
Price from £220 9s. 0d. Extra for Galvanized Hull and fittings £80 (subject to market fluctuations).

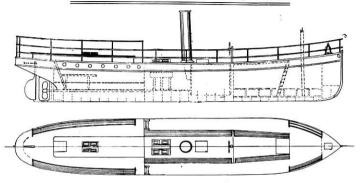


## MOTOR DRIVEN CUSTOMS OR PATROL LAUNCH, BUILT UP TO 65 FEET IN LENGTH. GENERAL SPECIFICATION.

Stem and Stern Erame of Forged Iron.
Frames of  $1\frac{1}{4}$  'x  $1\frac{1}{4}$ ' Steel Angle.
Plating throughout of Siemens Mild Steel Plates  $\frac{1}{4}$  'thick.

Price from 1600 0s. 0d. Extra for Galvanized Hull and fittings 175 0s. 0d. (subject to market fluctuations).

Hatches, Seats, and Deck. of Teak or Pine. 4 Cylinder 30 B.H.P. Paraffin Engine, Reverse Gear, etc., etc. Speed 8—9 Knots.



## 50 FEET BY 10 FEET PASSENGER AND GENERAL PURPOSE LAUNCH

Suitable for river and estuary work and capable of light towing.

Carrying capacity 50 to 60 persons and 10 ton of cargo.

Draught loaded 3 feet 3 inches. Speed 10 knots.

This type of Boat is built from 50 to 80 feet in length and from 10 to 17 feet beam.

#### SPECIFICATION.

Stem, Keel Bar and Stern Frame of Forged Iron. Plating throughout of Siemens Mild Steel Plates. Prames of Steel Angle. Hatches, Seats, &c. of Teak. Decks of Oregan Pine. Marine Return Tube Boiler and Compound Condensing Engines. Price from £900. Or if fitted with Paraffin Engine £950. Extra for Hull in Galvanized Steel £110. The above Boat can be built in Sections and partly rivetted at works or sent out in plates and angles.

## 35 FEET BY 8 FEET CABIN MOTOR CRUISER

For river, harbour and general coasting work, easy to handle and a very roomy type of boat suitable for week end cruising.

Fitted with a 25 h.p.-four-cylinder Motor, the speed is 9 Knots.



## GENERAL SPECIFICATION.

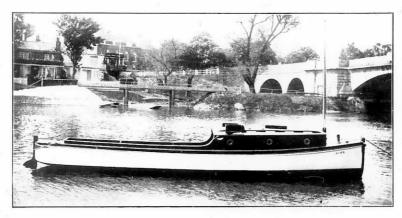
Length 35 feet. Beam 8 feet. Depth 3 feet. Draft 2 feet 4 inches. Carvel built of Pine and Mahogany, with Covering Board, Cabin, Seats, &c., of Teak or Mahogany. American Elm Timbers and Oak Stem and Stern.

4 Cylinder, 25 h.p. Engine, Reversing Gear and solid propellor.

Gun Metal Deck fittings, Cushions, Lamps, Mast and Sail, Compass, &c.

Price £385 0 0. Price with Steel Hull £40 0 0 extra.

Extra for Galvanized Hull and fittings £38 0 0.



35 ft. CABIN MOTOR CRUISER.

## 40 ft. SPEED LAUNCH. "RAPIDE" TYPE.

This type of Launch is specially designed for coaching purposes and umpiring of races, and being very finely built they create but very little wash. Especially suitable for clients requiring a fast high class river launch.

We have fitted this type of launch with motors of various powers such as 26-32 h.p. Simms, 36 h.p. and 45 h.p. Daimlers, 60 h.p. Mercedes, 120 h.p. Charron, &c., and obtained speeds from 12 to 24 miles per hour.

#### GENERAL SPECIFICATION FOR STEEL BOAT.

Length 40 feet. Beam 5 feet. Depth 2 feet 9 inches. Draft 1 foot 6 inches. Hull built of 16 gauge galvanized Steel; Decks, Coamings and Bulkheads and Engine Case of Steel, making the boat practically fireproof.

30 h.p. four Cylinder Motor, reversing gear and propellor. Speed 15 miles.

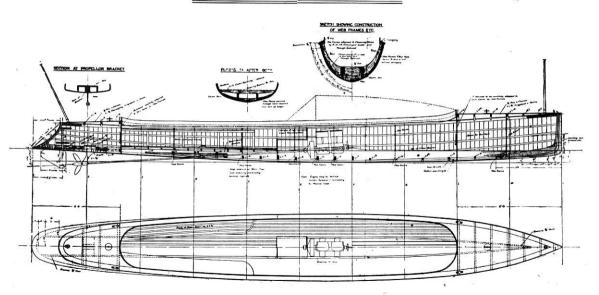
Price £400.

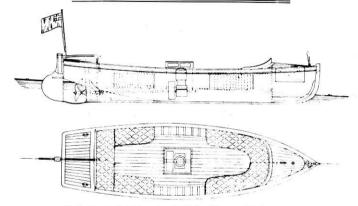
#### FOR WOOD BOAT.

Hull built of Cedar, double skin 4" and 3" thick. American Elm timbers and stringers, Decks; Coamings, Seats, &c., of Cedar. Floors of Pine, Mahogany Engine Case.

30 h.p. four Cylinder Motor, reversing gear and propellor. Speed 15 miles.

Price £350.





16 ft. Carvel Built Launch suitable for River or Harbour use.

## GENERAL SPECIFICATION.

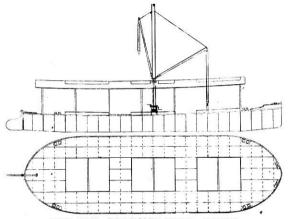
Length 16 feet. Beam 4 feet. Draft 1 foot 3 inches.

Built of Pine and Mahogany fitted, Knees and Stem of Oak, decks of Mahogany, Gun Metal Deck fittings, Ring Bolts for carrying in Ships Davits. Mahogany Engine Case.

5 h.p. Single Cylinder Engine, reversible Propellor.

Fitted with Spray Hood, Cushions, &c. &c.

Price £120 0 0'
Extra for Galvanized Steel Hull £20 0



SHALLOW DRAUGHT STEEL BARGE.

Suitable for inland navigation and fitted with mast and tackle for unloading Cargo.

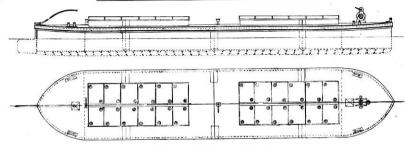
## GENERAL SPECIFICATION.

Prames of 2" × 2" × \frac{1}{2}" Steel Angle.

Stringers and Gunwale of 2\frac{1}{2}" × 2\frac{1}{2}" Steel Angle.

Price from \frac{1}{2}\text{Mo00} \text{0.00}.

Extra for Galvanized Hull and Pitting \frac{1}{2}\text{0.00} to market fluctuations).



## 60 FEET BARGE OR LIGHTER

Suitable for Harbour or Coasting work, built with two watertight holds with watertight hatches and tarpaulins. Draught 4 feet to 6 feet.

Built in various sizes up to 80 feet in length and shipped whole or in sections.

GENERAL SPECIFICATION.

Frames of 21" × 21" × 1" Steel Angle.

Stringers and Gunwale 3" x 3" x 1" Steel Angle.

Plating throughout of Siemens Mild Steel Plates 16" and 1" thick.

Decks of Steel Chequer Plate 1" thick.

Ceilings and Hatches of Pine 11 thick.

Fitted with rudder and tiller, towing bitt, windlass, anchor and chain, bollards &c., &c.

Price £640 0 0.

Extra for Galvanized Hull and fittings £120 (subject to market fluctuations).



## 50 FOOT SHALLOW DRAUGHT BARGE OR LIGHTER

Suitable for Canals, small rivers and general inland navigation.

Fitted with two watertight bulkheads. Draught 1 foot 9 inches.

Built in various sizes up to 80 feet in length and shipped whole or in sections.

#### GENERAL SPECIFICATIONS.

Frames of 13" × 13" × 3" Steel Angle.

Plating throughout of Siemens Mild Steel Plates 1 and 1 thick.

Stringers and Gunwale of 2" x 2" x 3," Steel Angle.

Decks Fore and Aft of Teak or Steel.

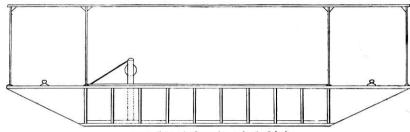
Ceilings of 11" Pine.

Bulwarks of Mild Steel Plates 10" high by 1" thick.

Fitted with Rudder and Tiller, Towing Bitt, Anchor and Chain, Bollards, &c., &c.

Price £250 0 0.

Extra for Galvanized Hull and fittings £60 (subject to market fluctuations).



As supplied to the Crown Agents for the Colonies. STEEL DREDGING PUNT.

30 feet long by 8 feet wide by 3 feet deep to carry 10 tons of spoil, especially built for opening up small lakes, canals or tributaries. Requires no skilled labour to work and is equally suitable for mud, sand, gravel, &c., &c.

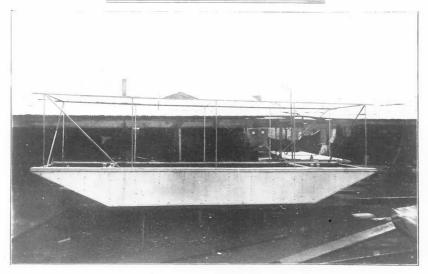
Fitted with either single or double hand dredging gear, winch, staff and net, &c. Can be built in various sizes up to 100 feet in length and 16 feet beam and shipped whole or in 3 or 5 sections.

#### GENERAL SPECIFICATION.

Frames of 2" × 2" × 1" Steel Angle. Chime and Gunwale of 3" × 2" × 1" Steel Angles. Plating throughout of Siemens Steel. It thick.
Platform and Cellings of 1½ \*Plme.
Fitted with bollards, windlass, anchor and chain, bilge pump, light awning, &c., &c.

Price with single hand dredging gear

Price with hull built of Pine



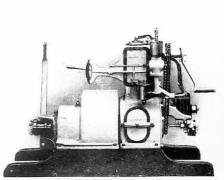
PRINT OF 30 ft. STEEL DREDGING PUNT.

## AGENTS FOR THORNYCROFT PARAFFIN & PETROL MARINE MOTORS.

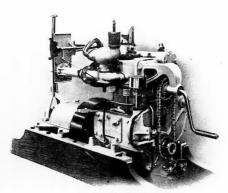
"M" Type 4½" diameter × 6" stroke. Paraffin or Petrol.

M1 Type Oil Motor with combined Reverse Gear.

M2 Type Motor and Reverse Gear.



Power Paratin 7 - B.H.P. Petrel 9 B.H.P.



Power Paraffin 15 B.H.P. Petrol 18 B.H.P.

Weight of complete equipment approx, 7½ cwt. Weight of complete equipment approx. 11½ cwts2

The "M" type engines have been specially designed for marine purposes, having large bearings, crank shaft and cam shafts, tegether with a very substantially designed crank case.

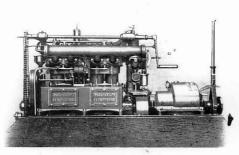
Prices and Catalogue upon Application.

## AGENTS FOR THORNYCROFT PARAFFIN AND PETROL MARINE MOTORS.

" M " Type 4½" diameter, 6" stroke, Paraffin or Petrol.

Type M4 Cylinder,

" L " Type 4}" diameter 5" Stroke, Petrol.
Type L4 Cylinder.



Power Paraffin 30 B.H.P. Petrol 30 B.H.P. Overall dimensions 6' 107' - 1' 10'.

Weight of complete equipment approx, with Cast Iron Crank Case  $17\frac{1}{8}$  cwts.

With Aluminium Crank Case 132 cwts.

Weight of complete equipment approx. 1, 4—(1) cwts. 1./6—(4 cwts.

Overall dimensions G 8" - 1' 10".

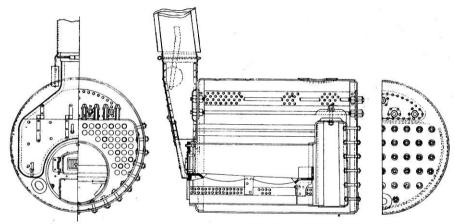
POWER

The I. Type engines have been specially designed for marine purposes, where lightness is essential, and are arranged for running on petrol exclusively.

L. Type J. Cylinder 30 B.H.P.

L. Type o Cylinder 45 B.H.P.

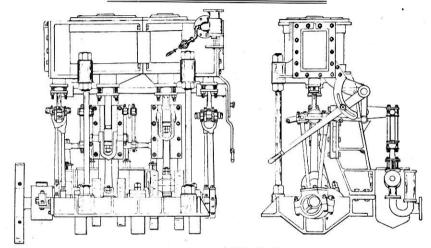
Prices and Catalogue upon application.



Marine Return Tube Boiler built under Board of Trade or Lloyds' Survey working pressure from 100 to 180 lbs. per square inch. Made in various sizes from 5 feet  $\times$  5 feet to 9 feet 6 inches  $\times$  8 feet 6 inches.

Fitted with 2 sets of Water Gauges, 2 Check Valves and Taps, B.O.T. Double Safety Valves, Main Steam Valve, Taps, &c. Steel Smokebox with double hinged Doors, Uptake and Funnel with balance weights.

Prices upon application.



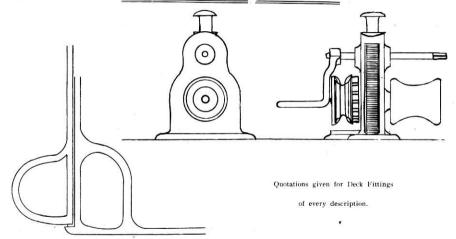
Compound Surface Condensing Engines made in sizes from  $\frac{.6 \times 12}{8}$  to  $\frac{12 \times 24}{16}$  suitable for Tug and Cargo Boat and Pleasure Steamers.

Cylinders, Bedplate and Condenser of close grained cast iron, truly bored and machined.

Crankshaft, Connecting Rods, Valve and Piston Rods of mild steel. Pumps, Glands, &c., of special Gun Metal.

Fitted with Steam and Vacuum Gauges, Drain Cocks, Oil Boxes.

Prices upon Application.



Stern Frame and Rudder Forgings in Iron or Steel bored for stern tube.

Prices on application.

#### GENERAL OUTFIT.

The term general outfit as applied to Boats fitted with Steam Machinery includes the following:—

DECK FITTINGS.—Anchor and Chain, 2 Boathooks, 1 Pole, Lifebuoys, Coir Fenders Mooring Ropes, Mop, Scrubber,

Pail, Flag and Staff.

ENGINE ROOM FITTINGS.—1 Full set of Spanners, Stoking Tools, Gauge Glasses, Shifting Spanner, Oil Cans, Oil

Feeder, Engine Room Lamp, Packing.

All Engine and Boiler Spares such as tubes, brasses, piston rings, firebars, &c. are charged extra.



As applied to Boats fitted with Petrol or Paraffin Motors :-

DECK FITTINGS .- As above.

ENGINE ROOM FITTINGS.—1 Full size set of Spanners, 1 Shifting Spanner, Oil Cans, Oil Feeder, Engine Room Lamp, Petrol Funnel.

All engine spares are charged extra.

MEMORANDUM.