

No 26



This facsimile edition of the *Turret Drill Manual for HMVS Cerberus* was scanned from a copy donated by John Buncle (grandson of Christopher Thomas Jones) to *Friends of the Cerberus* (cerberus.com.au).

The original blank pages have been reproduced so that the hand written notes are opposite the appropriate pages. To view notes in context select View / Page Layout / Facing.



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Suponderance 8 cm.

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Completed. from 100 (6 40.

VICTORIAN NAVAL FORCES.

TURRET DRILL, H.M.V.S. "CERBERUS."

PRELIMINARY DRILL.

The turret's crews will consist of 34 men, viz., 15 men and 1 powderman to each gun, and a captain and 2nd captain of turret.

The crews fall in two deep, a gun's crew on each side of the deck, the Nos. as far as 8 in the front rank, the others in the rear; the powderman on the left of the gun's crew, captain and 2nd captain in front, facing inboard.

Close Up.

Captain of turret on centre platform. 2nd captain in charge outside.

Inside Turret. 1, in rear, in charge of gun.

2, in rear, in line with the breech.

3, close to the port.

4, in rear of 3.

5, in rear of 4, and so on to 7.

Outside.

8 to 13, on running out and in winch handles. 14 and 15, training winch.

Number.

The gun's crew will call their numbers in succession.

Fall Out.

The turret's crews place themselves as before detailed.

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Cast Loose.

Captain of turret, ship centre sight and set firing gear.

1, take off rear coupling chains, bring to firing gear, ship side sights, and sees gun uncoupled by clutch lever.

2, take off rear securing chains, and assist to bring to firing gear, and attend rear pawls.

3 and 4, out tompion, unbar and open the port, take off front coupling chains.

5 and 6, take off front securing chains.

7, off turret securing chains; 7 of right gun, the after one.

5, 6, and 7, then trice up projectile.

3 and 4, step on the loading platform, 3 outside.

4, takes the worm.

3 and 4, search the gun.

1, examine the vent.

2nd captain of turret and remaining numbers uncover turret and clear away outside.

8, unship cowls.

9, 10, 11, and 12, lower skylights and place armour covers.

(9 and 10, the foremost ones.)

13 and 14, let down stanchions.

15, take of port covers.

Shell-room party.

Receive skylights and secure armour covers.

2nd captain of turret superintends and reports when clear outside. Captain of turret trains for loading if required.

Load.

1, serves the vent.

2, attends elevating gear and attaches the tube.

5, receive cartridge case from powderman and pass it to 3 and 4, who take the cartridge and enter it.



Then the projectele is breed up by faill when the projectele is breed up by faill where a gas-check.

5, 6, and 7, haul the projectle in front of muzzle, 3 guiding it clear.

3 and 4, enter and unsling it.

5, passes slings to 6 and 7, who overhaul the tackle and hook on another projectile.

4, takes the rammer and, assisted by 3, force

all home together.

3 and 4, spring the rammer; 4, returns it.

3 and 4, then step off loading platform; 1 then pricks the cartridge, and 9, 11, and 13 trice up another projectile.

Run Out.

3, attends compressor.

4, 5, and 6, trice up lifting lever; 1 of last gun out couples with clutch lever.

Note.

At the order "Winches run out," 2 and 7 bring to nipping lever, and Nos. run the gun out.

Deflection, Yards, Bearing, Object, Elevate. Captain of turret adjusts his sights.

When the object is named, the captain of the turret trains the turret and aligns the sights; 2nd captain of turret attends turret-pointers; captain of turret gives the distance and heel to 1; 2, attends elevating gear; 1, sees the gun correctly laid.

Note.

If wood scale is used, 1 provides and attends

Ready.

2, places the tube in the vent.

1, connects the lanyard to the firing gear, sees all clear and reports ready; captain of turret, after the last gun is reported, repeats it and remove the safety pins.

Fire.

At the order "Fire," captain of turret fires by pulling the lever handle, then trains the turret for loading. Run In.

1, unbooks the tube lanyard, and, assisted by captain of turret, resets firing bar.

3, attends compressor.

2 and 7, nipping lever.

4, 5, and 6, lifting lever.

8 to 13, man running-in winches.

When the gun is in, 1 orders "Well," 4 eases gun off rollers, 2 lays for loading, 3 sets taut compressor and reports "Compressor taut."

7, then case up nipping lever; 8, 10, and 12,

unship winch handles.

Nos. close up.

Note.

The compressor is not to be eased until the running-in chains are taut from the winches. If the guns require to be run in separately, left gun first, as in previous drill.

Sponge.

1, serves the vent.

3 and 4, step on loading platform.

3, takes the sponge.

3 and 4, force it hard home, keeping it pressed home while a round turn is given, they then withdraw it.

3. returns it.

Out Tube.

Captain of turret puts in safety pins.

1, unhooks the tube lanyard.

2, takes the tube out of the vent.

Cease Firing, from the Ready. Captain of turret puts in safety pins and orders out tube. The sights are put down, the deflection scale set at zero, and the Nos. close up.

Unload.

The gun is to be placed in loading position and emptied, 6 serving the worm and extractor as required, the elevating and loading Nos. assisting. When the gun is empty the Nos. close up.

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Secure.

The turret and guns are placed in the securing position; the securing chains, &c., are secured and everything replaced by the Nos. who cleared them away. When finished, 1 orders "Fall out."

Shifting Steps.

If the gun is out, 1 orders "Run in," and when placed, "Well"; captain of turret names the step, and 1 orders "Raise" or "Lower" the gun, and attends the valve.

2, attends the elevating gear inside jamming

clamp and rear key.

5 and 6, ship pump levers and man them; 5, the front.

7, winch handle screw gear.

3, outside clamp and keys.

4, attends inside front key.



Tow Majagner. Will Slow 135 ballering Charges on Sort side, 153 full charges on Starboard side The light rooms and at each end Will stow 84 batterne charges on Ston board side, 84 full Charges on Port Side Shell rooms. The fore shell room will hold 194 projectiles. The after a " " 167 " The Shell woms also Contame " Inan & arm "boat gear also fines, fine implements, metal lined Cases Contamne fine works, and life busy fortfires. On the outside bracket of each gum Carriage is attached a resensive, which is filled with live maches of the lop with fresh water; and the addition of a little Sift Souts or washing Soda will cause them to work well, and will keep the facking in good order. See the some are close down puting the liquid into the leserior.

The Stop value is loosened, which allows the liquid to pass into the reservoir through the Copper fripes: from the cylinders. To raise the gun Shut of the Stops valve, theplevers on Crank Spridle, and by it's means the plunger is worked to and fro,

being a double action pump; at he end where the lever is forced down a vacuum is created, and the liqued is drawn up through an inlet value into the bump. At the opposite end the lever is up, and the Liquid ion the pump is forced through a Stopsalite with a copper hipe leading into the affinders under they rames, thus vaising them with the weight of the gunt is Connected to an iron shaft passing through the bracket. I'm Carriage, on which are two eccentrics which work no the upper part of a link, the lower fort of which is Connected to the lifting block over which the incless Chain passes, Underneath the bottom plate of the Carriage are fixed two Sprockets places having 6 spockets projecting downwards for moving the lever. which fits his the end of the shaft the eccurtues are turned bringing the lifting block close up So that the spoothets fit into the links of the endless hair and holds the gun for rumme in or out. The nipping liver is not to be let go until the compressor is Set hautic I am iron shaft passing through the bracket

of the Carriage and nor two economics filling into live gum metal vollers. By pulling the lever on the ond of the Straft the secontrices are turned in the vollers, and the and of the Carriage is raised up clear of the Slide, also blacing the weight on the fore collers. Then running the gun in or out the litting lever is to be let go before Setting the Compressor trust, and at any time if the gun is going out too fast.