

ENTRY AND EXAMINATION OF OFFICERS.

NAVAL CADETS.

REGULATIONS FOR ENTRY AND TRAINING AT THE ROYAL NAVAL COLLEGES AT OSBORNE AND DARTMOUTH, AND ON BOARD THE TRAINING CRUISERS.

1. No nomination is required by a Candidate for a Naval Cadetship. All that is necessary is to send an application to the Assistant Private Secretary to the First Lord of the Admiralty. Applications should not be made until the Candidate has reached 12½ years of age.

2. Candidates must be of pure European descent, and the sons either of natural-born or naturalized British subjects. In doubtful cases the burden of clear proof will rest upon the parents or guardians of Candidates.

3. All Naval Cadets entered under these regulations are trained together until they pass for the rank of Lieutenant.

After passing for the rank of Lieutenant, they may be required to serve either as general service Officers or in one of the special branches, undertaking either Engineering, Gunnery, Torpedo, Navigation, or Marine duty.

As far as possible Officers selected for special service will be allowed to choose the branch in which they will qualify, subject to the proviso that all branches are satisfactorily filled.

Parents or guardians of Candidates for appointment as Naval Cadets must undertake for them that they are prepared to serve in any branch if required.

4. Parents or guardians are required to declare in writing their intention that the Candidate, if he obtains a Cadetship, shall adopt the Navy as his profession in life; and it is subject to this undertaking that Candidates are selected for Cadetships. Every Cadet who enters the Royal Naval College must therefore be prepared to continue his training so long as the Admiralty are satisfied with his progress, and parents are not at liberty to withdraw their sons at will.

On the entry of a Cadet, parents or guardians will be required to undertake that, in the event of his withdrawing or being withdrawn from the College, or from the Navy before being confirmed as a Sub-Lieutenant, they will pay to the Admiralty, if de-

manded, the sum of £25 per term in respect of each term passed by him at the R.N. Colleges, Osborne and Dartmouth, from the date of his entry to the date of his withdrawal, as a contribution towards the balance of the cost of his training and maintenance not covered by the annual payment of £75 mentioned in para. 15.

This undertaking does not apply to Cadets withdrawn at the request of the Admiralty.

5. Entries take place three times a year, in January, May, and September

Candidates for entry in January			
	must be more than 13 years and		
	4 months but not more than		
	13 years and 8 months of age		
	on the preceding	- - -	1st December.
Do.	do.	May	do. - 1st April.
Do.	do.	September	do. - 1st August.

6. All Candidates (except those being educated in the Colonies, who have received special Colonial recommendations under para. 10), will be required to present themselves before a Committee, which will interview each applicant separately.

The applications must be received at the Admiralty:—

For the January examination before 1st October.			
Do.	May	do.	do. 1st January
Do.	September	do.	do. 1st May.

Appointments to Naval Cadetships are made by the First Lord from among Candidates recommended by the Committee, and all such appointments are subject to the Candidate passing a Medical Examination (*vide* par. 8) and a Qualifying Examination in educational subjects (*vide* para. 9),

The fact, however, of a Candidate being invited to appear before this Committee is not to be understood as in any degree implying that he will necessarily be chosen to attend the qualifying examination.

The Interview Committee will sit shortly before the date fixed for each Qualifying Examination.

\* Candidates are eligible only for one Interview and Qualifying Examination.

7. The Qualifying Examinations are held in December, March and July, and the appointments of successful candidates date from the 15th January, 15th May, 15th September, following respectively.

8. Every Candidate must be in good health, and free from any physical defect of body, impediment of speech, defect of sight or hearing, and also from any

\* Candidates, however, who were unsuccessful under the old regulations may again present themselves under the new rule as to age which is stated in paragraph 5. Should any case occur where a selected Candidate is prevented by illness from attending the Qualifying Examination, the Admiralty will consider whether special arrangements can be made for him to be examined by the Head Master of the Royal Naval College, Osborne, at the beginning of the ensuing term



predisposition to constitutional or hereditary disease or weakness of any kind, and be in all respects well developed and active in proportion to his age. Before undergoing the Qualifying Examination he is required to pass the medical examination according to the prescribed regulations, and must be found physically fit for the Navy.

It should be particularly noted that full normal vision—as determined by Snellen's tests—is required. A memorandum is issued by the Admiralty which gives details of the physical requirements of Candidates. A Medical Board of Appeal has been instituted to meet cases in which the Parent or Guardian of a Candidate is not satisfied with the result of the Official Medical Examination. This Appeal Board will consist of the Director-General of the Medical Department of the Navy, a physician nominated by the Medical Consultative Board, and a specialist in the particular defect which caused the disqualification of the Candidate, to be selected from a list drawn up by the Consultative Board.

In the event of the rejection on medical grounds of a Candidate who would otherwise have been selected for the Qualifying Examination, the Parent or Guardian will at once be informed that, subject to the payment of a fee of four guineas, the Candidate may present himself for re-examination by the Appeal Board, and that if an appeal is desired notification must be made by the Parent or Guardian to the Director-General of the Medical Department, Admiralty, within a week of the first Medical Examination. The notification must be accompanied by a cheque for four guineas made payable to the Accountant General of the Navy.

9. †The Qualifying Examination is in the following subjects:—

(1.) English (including writing from dictation, and reproduction of the gist of a short passage twice read aloud to the Candidates.

(2.) History and Geography, with special reference to the British Empire.

(3.) Arithmetic and Algebra (two-thirds of the questions in this paper will be on Arithmetic. The use of Algebraic symbols and processes will be allowed).

**Arithmetic.** The simple and compound rules, avoirdupois weight, linear and square and cubic measures, the elementary mensuration of rectangular surfaces and volumes, measure of capacity (pints, quarts, gallons), the metric system (the metre, gramme, and litre, with their multiples and sub multiples), money (including the relationship of the cent to the dollar, and the centime to the franc), reduction, factors, the addition, subtraction, multiplication, division and simplification of vulgar fractions, non-recurring decimal fractions, simple proportion, ratio and percentage, simple interest.

**Algebra.** The meaning of algebraic symbols, substitution of values, easy identities, equations of the first degree, including simultaneous equations, verification of the solution of equations, problems leading to simple equations, multiplication and division by binomial operator, easy factors (excluding sum and difference of cubes), fractions with numerical denominators.

(4.) Geometry. The paper will consist of questions both on Practical and Theoretical Geometry.

All Candidates must be provided with a ruler graduated in inches and tenths and also in centimetres and millimetres, a small set square, a protractor, pencil compasses, and a hard pencil.

Any proof of a proposition will be accepted which appears to the Examiner to form part of a systematic treatment of the subject. Simple deductions from specified theorems will be set.

Proofs of the validity of constructions will not, as a rule, be expected, but they may be asked for.

#### Practical Geometry.

**Theoretical Geometry.** The facts stated in the following theorems, together with riders on them, but without formal proofs of the theorems:—B, 1—11. Formal proofs of the following theorems, together with riders on them:—B, 14—19, 21, 22.

*Note.*—Schedules of the Geometry are attached to the regulations issued, and may be obtained on application to the Admiralty. The numbers in the Schedules correspond to those in the Geometry Schedule of the Common Examination for entrance to Public Schools, as reprinted from the Cambridge University Ordinances.

(5.) French or German, with an oral examination, to which importance will be attached.

(6.) Latin (easy passages for translation from Latin into English and from English into Latin, and simple grammatical questions).

The list of successful Candidates will be published in alphabetical order. A certain number of successful Candidates who are highly recommended by the Interview Committee and who also show excellence in the Examination will receive "Honourable Mention," and will be distinguished by an asterisk in the list of successful candidates.

10. The Governments of certain Dominions and Colonies are allowed to recommend specially (through the Secretary of State for the Colonies) a certain number of Candidates annually from among boys belonging to families resident in the Dominions and Colonies.

Unless such Candidates, however, actually reside and receive their education in their own Dominion or Colony, they must be also recommended by the Interview Committee, and must pass the Qualifying Examination and the Medical Examination.

11. Naval Cadets will undergo a course of instruction in the Training Establishments for a period of four years, of which two years will be at Osborne, and the remainder at Dartmouth. On passing out of the College at Dartmouth they will continue their training for a period on board a Special Training Cruiser and will then be sent to the sea-going Fleet as Midshipmen.

† NOTE.—Copies of the papers set at the examinations held in each year are printed by the Oxford and Cambridge Schools Examination Board, and may be obtained on application to the Secretary of the Admiralty free of charge. It should be noted, however, that the questions in papers set under these regulations will be slightly more advanced than those set prior to September 1913, in consequence of the age of entry being raised



12. The following are the approximate dates for the beginning and the end of the three terms at the Colleges:—

*At Osborne.*  
16th January to 8th April,  
8th May to 30th July,  
19th September to 17th December.

*At Dartmouth.*  
16th January to 15th April,  
8th May to 6th August,  
19th September to 17th December.

\* The vacations at the Colleges are as follows:—

*At Osborne.*  
Four weeks at Christmas,  
Four weeks at Easter,  
Seven weeks at Midsummer.

*At Dartmouth.*  
Four weeks at Christmas,  
Three weeks at Easter,  
Six weeks at Midsummer.

13. The friends of the Cadets must be prepared to receive them during all the Vacations.

14. All Naval Cadets shall be subject to the Regulations for the time being in force respecting Cadets while at the Royal Naval Colleges at Osborne and Dartmouth and on board the Training Cruisers.

15. For all Cadets entering under these regulations payment will be at the rate of £75 per annum for the period under training at the Colleges, to be paid in sums of £25 every term in advance to the Cashier of the Bank of England on receipt of claim from the Accountant-General of the Navy. But the Lords Commissioners of the Admiralty reserve the power of selecting from among the Cadets entered on each occasion subsequent to November, 1913, a number not exceeding 25 per cent of the entries, with respect to whom the annual payment will be £40 only (to be paid in sums of £13 6s. 8d. every term in advance). A proportion of those admitted at the reduced scale will be sons of Officers of the Navy, Army, or Marines, or of Civil Officers under the Board of Admiralty, the reduced scale being reserved for such boys up to a maximum of 10 per cent of the total entries on each occasion. The reduced scale will be allowed only in cases where the pecuniary circumstances of the parents are, in the opinion of the Lords Commissioners of the Admiralty, such as to justify it. Forms of application for admission at the reduced scale will be issued in respect of all candidates who are selected\* after interview to attend the Qualifying Examination, and when duly filled in should be returned as soon as possible by such parents as desire to make application for the reduced scale.

Claims will be made upon the Parents or Guardians by the Accountant-General of the Navy for the sums payable as they become due, and the money should be at once remitted.

16. In addition to the above payments, any expenses incurred by a Cadet for clothing, sports, books, instruments, washing, &c., as well as the allowance of 1s. a week paid as pocket-money, are included in the personal account sent to the Parent from the College as soon as possible after the end of each term.

17. No pay is allowed by Government to the Cadets in the Colleges, except in the case of Cadet Captains, who receive a small weekly allowance.

The pay of Cadets in the Training Cruisers is 1s. a day, and that of Midshipmen is 1s. 9d. a day.

18. The fees specified in paragraph 15 will cease on the Cadet joining the Training Cruiser. Parents or Guardians will then be required to make the Cadet a private allowance of £50 a year until he reaches

\* Parents abroad will however, be furnished with forms of application, prior to this selection if they so desire.

the rank of Acting Sub-Lieutenant, and thereafter a private allowance of £20 a year for so long as he remains an Acting Sub-Lieutenant with pay at the rate of 3s. 6d. a day.

19. The parent or guardian of every Cadet is required to provide outfit under the regulations in force.

20. All travelling expenses for Cadets are advanced by the Paymaster of the College, who will charge the sum to the Cadet's personal account.

21. Inasmuch as the Cadets have a weekly allowance paid to them as pocket-money, and a charge is made to pay the expenses attending their amusements, it is unnecessary that their friends should give them any money except on joining, or on their return from the Vacations, and the amount should then be reasonable. Such money as may be required by a Cadet for any special circumstances will be advanced by the Paymaster under the authority of the Captain.

22. Any valuable Gold Watches or Chains brought by Cadets to the Colleges will be taken from them and placed in security until the Cadets return home. Silver Watches may be used.

23. Arrangements are made for the conveyance from Portsmouth to Osborne of the Cadets who are joining the College for the first time. Such Cadets should assemble at the Dockyard Gates (near Portsmouth Harbour Station) shortly before 3 p.m. on the day appointed for joining. Cadets rejoining the College will be expected to make their own arrangements for doing so.

24. Cadets are to bring their Linen clean, and Clothes and Boots in good order, when they join the College, and also when they return from leave, and the outfit, as specified on the next page, must be complete. A list of the clothes left behind will be sent with the Cadets when they go on leave.

25. Cadets are not permitted to open accounts with Tradesmen. Parents and Guardians are requested not to allow their sons' outfitters to supply clothes or other articles without their authorisation.

26. Each Cadet on joining and on returning after the Vacations is required to produce a health certificate—signed by his parent or Guardian, *not earlier than the day before the Cadet's return*—to the effect that, so far as is known, he has not for at least three weeks immediately preceding his return been exposed to any infectious disease, or entered any house where such disease has existed. A certificate drawn up in the necessary Form, is sent to each Parent, and failure on the part of the Cadet to produce this certificate, duly filled up and signed, on his return will entail his *not being received*.

In the event of a Cadet being placed on the Sick List, information is always sent to his Parents or Guardians, who are also kept informed of the progress of the patient should the illness be in the slightest degree serious.

27. Letters relative to the Cadets should be addressed to:—“The Commanding Officer, Royal Naval College,” or “The Commanding Officer, H.M.S. ———,” and not to the Captain by name.

Parents or Guardians of Cadets must, in all cases of permanent change of residence, inform the Admiralty and the Commanding Officer of the College or the Cruiser without delay.

28. The course of study includes the following subjects:—

- Mathematics, with Geometrical Drawing.
- Physics and Chemistry.
- Mechanics, and applied Mechanics, with laboratory work.
- Applied Electricity, with laboratory work.
- Engineering, with workshop practice and Mechanical Drawing.
- Seamanship, with Gunnery in the Training Cruiser.



Navigation.  
 French or German.  
 English Grammar and Composition.  
 English Literature.  
 History, including Naval History.  
 Geography.  
 Bible Study.  
 Drill and Physical Training.

A large proportion of the time of the Cadets is given to the practical study of Engineering in the Workshops and Instructional Steamboats attached to the Colleges, and also in the Training Cruisers.

29. In all subjects of instruction, the principle will be followed of giving merit marks for current work. At the end of each term the Cadet's proficiency and progress will be tested partly by examination and partly by the marks gained for current work.

30. The passing-out examination of Cadets is representative of all subjects studied at the College, with the exception of Religious Knowledge, which does not form part of the official examination. Marks for work done during previous terms are combined with the marks directly awarded in the examination.

First, Second and Third Classes will be awarded, and the class obtained in passing out from the College counts afterwards towards promotion to the rank of Sub-Lieutenant, promotion being accelerated according to the following scale:—

For a First Class - 2 months.  
 For a Second Class - 1 month.

Time will also be awarded for the course in the Training Cruiser which will similarly count towards promotion to Sub-Lieutenant:—

For a First Class - 1 month.  
 For a Second Class -  $\frac{1}{2}$  month.

The greatest amount of time that can be gained on passing out as Midshipman is accordingly three months.

31. Cadets may be required to withdraw at any time if in the opinion of the Lords Commissioners of the Admiralty:—

- (1) They fail to reach a satisfactory standard, or
- (2) Their conduct is unsatisfactory, or
- (3) They are unsuitable for the Naval Service.

32. It is to be distinctly understood that the period of training, including the time spent in the Training Cruiser, is a time of probation, and the parent or guardian of a Cadet is required to withdraw him immediately on the receipt of an official request for his withdrawal.

33. When a Cadet is found to be making insufficient progress a letter is sent to his Parent or Guardian warning him of the possibility of having to withdraw the Cadet unless a marked improvement takes place. This warning is generally issued a term in advance, to enable the Parent provisionally to make other arrangements for continuing the boy's education in case his withdrawal should become necessary.

LIST OF ARTICLES REQUIRED FOR A NAVAL CADET UNDER TRAINING.

	Osborne.	Dartmouth.	Training Cruiser.	Remarks.
Sheets .. .. .	6	6	6	
Pillow cases .. ..	3	3	3	
Uniform jacket* ..	1	1	1	Superfine.
" trousers* ..	1	1	1	
" waistcoat* ..	1	1	1	
Flannel lined waistcoat* ..	1	1	—	
Uniform caps, peak $\frac{1}{2}$ turned down* ..	2	2	2	
Working summer suit, blue tweed, with two prs. trousers* .. ..	1	1	1	
Working winter suit, of special material*	1	1	1	The material of pattern jacket is to be strictly adhered to.
Loose fitting overcoat—monkey jacket* .. ..	1	1	—	Used as overcoat at Osborne, and forms part of working winter suit at Dartmouth.
Cloth uniform monkey jacket ..	—	—	1	Optional at Osborne as the loose fitting monkey jacket is considered sufficient for ordinary wear.
Uniform greatcoat*	—	1	1	
White flannel trousers (well shrunk) ..	4	4	6	
White flannel shirts (with collars to turn down) .. ..	4	6	6	
White flannel shirts with collar bands	4	—	—	
White flannel collars	6	—	—	
White day shirts ..	3	6	8	
Collars* .. .. .	6	12	12	
Pyjama suit .. ..	3	3	4	
Socks { Merino .. ..	8	8	8	
{ Thick Woollen ..	6			
Drawers { Thin merino (short) .. ..	4	6	6	
{ Thick for winter (long) .. ..	4			
Vests { Thin merino .. ..	4	6	6	
{ Thick for winter .. ..	4			
Bath towel .. ..	4	4	4	
Face towel .. ..	4	4	4	
Sweaters (high neck)	2	2	3	
Neckties (black silk of uniform pattern)	2	2	2	
Pocket handkerchiefs	12	12	12	
White woollen gloves	2	2	2	
Braces .. .. .	2	2	2	
Boots, strong laced, soles at least three-eighth in. thick ..	3	2	2	Plain fronts no toe caps.†
Shoes, Oxford, patent leather, with strong soles .. .. .	1	1	1	

\* A pattern can be seen at the Admiralty Pattern Rooms, Broadway, Westminster, S.W.

† For first year at the R.N. College, Osborne, Cadets may wear any suitable black laced boots which they have been wearing prior to joining the College.

By Command of their Lordships,

W. GRAHAM GREENE.

Admiralty, November, 1913.



LIST OF ARTICLES REQUIRED FOR A NAVAL CADET UNDER TRAINING.—*continued.*

	Osborne.	Dartmouth.	Training Cruiser.	Remarks.
Uniform gaiters ..	1		1	
Hair brush, comb, clothes brush, tooth brush, nail brush, sponge .. ..	1	1	1	
Soiled linen bag, with name .. ..	2	2	2	
Rug, of uniform pattern* .. ..	1	1	1	
Portmanteau, with name .. ..	1	1	1	To be of the following dimensions—2ft. 4in. by 1ft. 5in. by 1ft. 1in.
Travelling bag with initials.. ..	1	1	1	To be of such a size that it can be stowed inside Portmanteau when latter is empty.
Key ring .. ..	1	1	1	Supplied by Admiralty.
Overall suits .. ..	2	2	1	
Waterproof coat or a pegamoid coat ..	1	1	1	Obtainable at the College.
Football knickers, jersey, boots, and stockings .. ..	1	1	1	
Gymnastic belt ..	1	1	1	Obtainable at College.
Linen cricket hat ..	1	1	1	
Straw hat .. ..	1	—	1	as necessary
Knife lanyards ..	—	—	—	
White canvas gymnastic shoes .. ..	1	1	—	Obtainable at College.
Brown canvas shoes, with thick rubber soles .. ..	1	1	1	
Chest covers .. ..	—	—	2	Obtainable at College.
Cap covers .. ..	—	—	3	
Duck trousers .. ..	—	—	3	Obtainable at College.
Comforter .. ..	—	—	1	
Shoes, thick, for engine room .. ..	—	—	1	Obtainable at College.
Gloves for engine room .. ..	—	—	1	
Midshipman's sea chest complete ..	1	1	1	Length, 3ft 6in.; breadth, 2ft.; height, 2ft., 3in.—name in full on plain brass plate to be attached.

4. Government bedding will be supplied, for which a charge of 1s. per month will be made. (This does not include sheets or pillow cases.)

The following articles can be supplied at the Colleges if the Cadets require them:—

- |                         |                   |
|-------------------------|-------------------|
| Braces.                 | Links.            |
| Silk ties (uniform).    | Bootlaces.        |
| Tooth brushes.          | Cashmere scarves. |
| Tooth powder and paste. | Bathing drawers.  |
| Collar studs.           | Cricket shoes.    |
| Front studs.            | Key rings.        |

Articles supplied at the Colleges will be charged to the Cadet's personal account; they will be charged at cost price allowing sufficient margin to cover expense of transit only.

REGULATIONS RESPECTING SEXTANTS.

Cadets when entering on their fifth term at Dartmouth should already have procured a Sextant in a box, such instrument being obtained by parents; a leather case is not necessary.

Any new Sextant must be approved by the Captain of the College and must have the following qualifications:—

1. Strong frame and well finished in all respects, all loose fittings to be stamped with the number.
2. Radius not to be less than 6½ inches to middle of the graduation.
3. Arc distinctly cut, and to read to 10 seconds up to at least 125° on, and 5° off, the arc, the vernier being divided three divisions to the right of the index.
4. Shades to be of neutral tint and of satisfactory densities.
5. A star telescope (not inverting images) to be provided, and an inverting telescope with two eyepieces, one of which to have a magnifying power of at least 7 diameters. The telescopes and collar to be fitted with interrupted thread.
6. Adjusting screws to mirrors to be placed in positions as little exposed as possible, preferably at the base of the mirrors, to be recessed so as to be moved by a squared key or screw-driver and fitted with covers.
7. Two shades for eyepieces of different intensities to be ground conical, to slip on, not screw.
8. Handle to be of good size.
9. Each Sextant must be accompanied by a Kew Certificate, Class A.
10. A button over the handle besides the usual chocks for keeping the instrument in place when the lid is closed. Box to have recessed hooks for securing the lid, and a recessed handle.
11. No Sextants will be accepted in which the unsilvered portion of the horizon glass is absent, or the telescope so fitted as not to be entirely removable in one piece, and the horizon glass should have a minimum width of 1—1/8 inch.
12. The name of the owner to be on both Sextant and box.

Sextants possessing the necessary qualifications can be obtained from various makers.

A good 6½-inch instrument can be obtained for 7l. 10s.

Sextants presented to Cadets which have belonged to parents or others are not required to conform rigidly to the standard, provided they are of radius not less than that prescribed and are considered suitable by the Captain of the College, but no Sextant can be accepted unless accompanied by a Kew Certificate Class A.

\* A pattern can be seen at the Admiralty Pattern Rooms, Broadway, Westminster, S.W.

It is particularly requested that the sea chest may be at Osborne seven days previous to the Cadets joining.

- Note.—1. Clothing to be distinctly marked with the Cadet's name in full.
2. Trousers to be made without pockets, and the two working suits to have only one pocket on left outside breast, and one pocket inside right breast.
3. There is no special pattern for underclothing.



Navigation.  
 French or German.  
 English Grammar and Composition.  
 English Literature.  
 History, including Naval History.  
 Geography.  
 Bible Study.  
 Drill and Physical Training.

A large proportion of the time of the Cadets is given to the practical study of Engineering in the Workshops and Instructional Steamboats attached to the Colleges, and also in the Training Cruisers.

29. In all subjects of instruction, the principle will be followed of giving merit marks for current work. At the end of each term the Cadet's proficiency and progress will be tested partly by examination and partly by the marks gained for current work.

30. The passing-out examination of Cadets is representative of all subjects studied at the College, with the exception of Religious Knowledge, which does not form part of the official examination. Marks for work done during previous terms are combined with the marks directly awarded in the examination.

First, Second and Third Classes will be awarded, and the class obtained in passing out from the College counts afterwards towards promotion to the rank of Sub-Lieutenant, promotion being accelerated according to the following scale:—

For a First Class - 2 months.  
 For a Second Class - 1 month.

Time will also be awarded for the course in the Training Cruiser which will similarly count towards promotion to Sub-Lieutenant:—

For a First Class - 1 month.  
 For a Second Class -  $\frac{1}{2}$  month.

The greatest amount of time that can be gained on passing out as Midshipman is accordingly three months.

31. Cadets may be required to withdraw at any time if in the opinion of the Lords Commissioners of the Admiralty:—

- (1) They fail to reach a satisfactory standard, or
- (2) Their conduct is unsatisfactory, or
- (3) They are unsuitable for the Naval Service.

32. It is to be distinctly understood that the period of training, including the time spent in the Training Cruiser, is a time of probation, and the parent or guardian of a Cadet is required to withdraw him immediately on the receipt of an official request for his withdrawal.

33. When a Cadet is found to be making insufficient progress a letter is sent to his Parent or Guardian warning him of the possibility of having to withdraw the Cadet unless a marked improvement takes place. This warning is generally issued a term in advance, to enable the Parent provisionally to make other arrangements for continuing the boy's education in case his withdrawal should become necessary.

LIST OF ARTICLES REQUIRED FOR A NAVAL CADET UNDER TRAINING.

	Osborne.	Dartmouth.	Training Cruiser.	Remarks.
Sheets .. .. .	6	6	6	
Pillow cases .. ..	3	3	3	
Uniform jacket*	1	1	1	
" trousers*	1	1	1	
" waistcoat*	1	1	1	
Flannel lined waistcoat* ..	1	1	—	
Uniform caps, peak $\frac{1}{2}$ turned down*	2	2	2	
Working summer suit, blue tweed, with two prs. trousers* .. ..	1	1	1	
Working winter suit, of special material*	1	1	1	The material of pattern jacket is to be strictly adhered to.
Loose fitting overcoat — monkey jacket* .. ..	1	1	—	Used as overcoat at Osborne, and forms part of working winter suit at Dartmouth.
Cloth uniform monkey jacket ..	—	—	1	
Uniform greatcoat*	—	1	1	Optional at Osborne as the loose fitting monkey jacket is considered sufficient for ordinary wear.
White flannel trousers (well shrunk) ..	4	4	6	
White flannel shirts (with collars to turn down) .. ..	4	6	6	
White flannel shirts with collar bands	4	—	—	
White flannel collars	6	—	—	
White day shirts ..	3	6	8	
Collars* .. ..	6	12	12	
Pyjama suit .. ..	3	3	4	
Socks { Merino .. ..	8	—	—	
{ Thick Woollen .. ..	6	8	8	
Drawers { Thin merino (short) .. ..	4	—	—	
{ Thick for winter (long) .. ..	4	6	6	
Vests { Thin merino .. ..	4	—	—	
{ Thick for winter .. ..	4	6	6	
Bath towel .. ..	4	4	4	
Face towel .. ..	4	4	4	
Sweaters (high neck)	2	2	3	
Neckties (black silk of uniform pattern)	2	2	2	
Pocket handkerchiefs	12	12	12	
White woollen gloves	2	2	2	
Braces .. ..	2	2	2	
Boots, strong laced, soles at least three-eighth in. thick ..	3	2	2	
Shoes, Oxford, patent leather, with strong soles .. ..	1	1	1	Plain fronts no toe caps.†

\* A pattern can be seen at the Admiralty Pattern Rooms, Broadway, Westminster, S.W.

† For first year at the R.N. College, Osborne, Cadets may wear any suitable black laced boots which they have been wearing prior to joining the College.

By Command of their Lordships,

W. GRAHAM GREENE.

Admiralty, November, 1913.



LIST OF ARTICLES REQUIRED FOR A NAVAL CADET UNDER TRAINING.—*continued.*

	Osborne.	Dartmouth.	Training Cruiser.	Remarks.
Uniform gaiters ..	1		1	
Hair brush, comb, clothes brush, tooth brush, nail brush, sponge .. ..	1	1	1	
Soiled linen bag, with name .. ..	2	2	2	
Rug, of uniform pattern* .. ..	1	1	1	
Portmanteau, with name .. ..	1	1	1	To be of the following dimensions—2ft. 4in. by 1ft. 5in. by 1ft. 1in.
Travelling bag with initials.. ..	1	1	1	To be of such a size that it can be stowed inside Portmanteau when latter is empty.
Key ring .. ..	1	1	1	Supplied by Admiralty.
Overall suits .. ..	2	2	1	
Waterproof coat or a pegamoid coat ..	1	1	1	Obtainable at the College.
Football knickers, jersey, boots, and stockings .. ..	1	1	1	
Gymnastic belt ..	1	1	1	Obtainable at College.
Linen cricket hat ..	1	1	1	
Straw hat .. ..	1	—	1	as necessary
Knife lanyards ..	—	—	—	
White canvas gymnastic shoes .. ..	1	1	—	Obtainable at College.
Brown canvas shoes, with thick rubber soles .. ..	1	1	1	
Chest covers .. ..	—	—	2	
Cap covers .. ..	—	—	3	
Duck trousers .. ..	—	—	3	
Comforter .. ..	—	—	1	
Shoes, thick, for engine room .. ..	—	—	1	
Gloves for engine room .. ..	—	—	1	
Midshipman's sea chest complete ..	1	1	1	Length, 3ft 6in.; breadth, 2ft.; height, 2ft., 3in.—name in full on plain brass plate to be attached.

4. Government bedding will be supplied, for which a charge of 1s. per month will be made. (This does not include sheets or pillow cases.)

The following articles can be supplied at the Colleges if the Cadets require them:—

- |                         |                   |
|-------------------------|-------------------|
| Braces.                 | Links.            |
| Silk ties (uniform).    | Bootlaces.        |
| Tooth brushes.          | Cashmere scarves. |
| Tooth powder and paste. | Bathing drawers.  |
| Collar studs.           | Cricket shoes.    |
| Front studs.            | Key rings.        |

Articles supplied at the Colleges will be charged to the Cadet's personal account; they will be charged at cost price allowing sufficient margin to cover expense of transit only.

REGULATIONS RESPECTING SEXTANTS.

Cadets when entering on their fifth term at Dartmouth should already have procured a Sextant in a box, such instrument being obtained by parents; a leather case is not necessary.

Any new Sextant must be approved by the Captain of the College and must have the following qualifications:—

1. Strong frame and well finished in all respects, all loose fittings to be stamped with the number.
2. Radius not to be less than 6½ inches to middle of the graduation.
3. Arc distinctly cut, and to read to 10 seconds up to at least 125° on, and 5° off, the arc, the vernier being divided three divisions to the right of the index.
4. Shades to be of neutral tint and of satisfactory densities.
5. A star telescope (not inverting images) to be provided, and an inverting telescope with two eyepieces, one of which to have a magnifying power of at least 7 diameters. The telescopes and collar to be fitted with interrupted thread.
6. Adjusting screws to mirrors to be placed in positions as little exposed as possible, preferably at the base of the mirrors, to be recessed so as to be moved by a squared key or screw-driver and fitted with covers.
7. Two shades for eyepieces of different intensities to be ground conical, to slip on, not screw.
8. Handle to be of good size.
9. Each Sextant must be accompanied by a Kew Certificate, Class A.
10. A button over the handle besides the usual chocks for keeping the instrument in place when the lid is closed. Box to have recessed hooks for securing the lid, and a recessed handle.
11. No Sextants will be accepted in which the unsilvered portion of the horizon glass is absent, or the telescope so fitted as not to be entirely removable in one piece, and the horizon glass should have a minimum width of 1—1/8 inch.
12. The name of the owner to be on both Sextant and box.

Sextants possessing the necessary qualifications can be obtained from various makers.

A good 6½-inch instrument can be obtained for 7l. 10s.

Sextants presented to Cadets which have belonged to parents or others are not required to conform rigidly to the standard, provided they are of radius not less than that prescribed and are considered suitable by the Captain of the College, but no Sextant can be accepted unless accompanied by a Kew Certificate Class A.

\* A pattern can be seen at the Admiralty Pattern Rooms, Broadway, Westminster, S.W.

It is particularly requested that the sea chest may be at Osborne seven days previous to the Cadets joining.

- Note.—1. Clothing to be distinctly marked with the Cadet's name in full.
2. Trousers to be made without pockets, and the two working suits to have only one pocket on left outside breast, and one pocket inside right breast.
3. There is no special pattern for underclothing.



## REGULATIONS FOR THE ENTRY INTO THE R.N. COLLEGE AT DARTMOUTH OF CADETS FROM THE "CONWAY."

1. Six nominations to cadetships in the Royal Naval College, Dartmouth, will be granted annually to the "Conway," training ship of the Mercantile Marine.

2. Shortly before the end of each Term, the Committee of the "Conway" may nominate two Cadets from their training ship, for admission to the College as Cadets of the Royal Navy, subject to their passing a qualifying examination and satisfying the conditions specified below.

Should the Committee, in addition to the authorised number of nominations, wish to recommend any specially desirable candidate, his case will receive consideration.

Each Cadet so nominated will be required to pass an examination shewing that he has reached the same general standard of training as is reached by Naval Cadets on leaving the Royal Naval College, Osborne.

3. The Examination will be conducted near the end of each Term, *i.e.*, about April, August and December, at the Royal Naval College, Osborne, and will include tests in practical knowledge of the use of tools and workshop processes as well as papers on the subjects dealt with in the Osborne curriculum.

The Candidates, if successful, will be admitted to the Royal Naval College, Dartmouth, from the beginning of the Term in January, May, or September following the examination.

4. Each Candidate must possess the following qualifications—

(a.) He must be of very good character and conduct, and in all respects fit for entry into H.M. Navy.

(b.) Until the autumn of 1915, he must be more than 14 years 8 months, but not more than 15 years old on the 15th January, 15th May, or 15th September following the examination. After the autumn examination in 1915 (*i.e.*, commencing with the December, 1915 examination) the new rule will come into force, *viz.*:—that a Cadet from the "Conway" must be more than 15 years and 4 months, but not more than 15 years 8 months of age on the 1st April, 1st August, or 1st December for the examinations in April, August or December.

(c.) He must have served in the training ship 2 years, *i.e.*, 6 terms, there being 3 terms a year.

(d.) He must have spent not less than one fourth (or the equivalent of 6 months) of his 2 years service in practical mechanical work under conditions satisfactory to the Admiralty.

(e.) Before attending the qualifying examination he must pass the medical examination for the Navy, according to the prescribed regulations.

5. The following certificates must be forwarded at the time the candidates are nominated—

(a.) Certificate of birth.

(b.) Do. conduct.

(c.) Do. ability to swim.

(d.) Do. time served in training ship.

(e.) Do. time spent in practical mechanical work, with particulars of training.

The name and address of the parent or guardian must also be supplied.

6. The regulations as to the provision by parents or guardians of the outfit, payment of fees and other expenses, while the Cadet is at Dartmouth, and the private allowance after passing out, will be the same as those with respect to other Naval Cadets.

7. Cadets entering under these regulations will be subject in all respects to the same discipline and conditions of service as other Cadets during their period of training at the R.N. College, Dartmouth, and will be liable to removal for the same causes.

On passing out, they will be treated in the same manner as the other Cadets, and will rank according to the time gained and their position on the list.

*Note.*—Application for entry in the "Conway" should be made to the Commanding Officer, School Ship "Conway," Rock Ferry, Cheshire.

By command of their Lordships,

Admiralty, Dec., 1913.

W. GRAHAM GREENE.

## SPECIAL ENTRY OF NAVAL CADETS.

### REGULATIONS FOR THE SPECIAL ENTRY OF NAVAL CADETS.

*Note.*—The Regulations for the entry and training of Naval Cadets at the Royal Naval Colleges at Osborne and Dartmouth are contained in a separate document which can be obtained on application to the Secretary of the Admiralty, Whitehall, S.W. These regulations are given at pages 856-861. The scheme of entry through Osborne and Dartmouth is the main method by which Officers are admitted to the Royal Navy. During the years 1914, 1915 and 1916, however, a supplementary scheme of special admissions has been arranged, which is called the "Special Entry" Scheme. The Regulations regarding this "Special Entry" Scheme are contained in the present pamphlet.

1. The number of Naval Cadets to be admitted under the following Regulations will be about thirty in each of the years 1914, 1915 and 1916.

2. Candidates for admission must be not more than 18½ nor less than 17½ years of age on the 1st of June of the year in which the examination is held. No nomination is required. Applications should be made to the Secretary of the Admiralty, Whitehall, S.W., not later than the 1st April. A form of application to be filled in by the parent or guardian of the candidate may be obtained from the Admiralty.

3. Candidates must be of pure European descent, and the sons either of natural born or naturalised British subjects. In doubtful cases the burden of clear proof will rest upon the Candidate.

Candidates must be unmarried.

4. Applicants who satisfy these conditions will be invited to appear before a Committee at the Admiralty. This Committee will interview each Candidate and examine credentials furnished by the headmaster of the school he is attending or last attended. A report will be obtained beforehand

from the headmaster for the information of the Committee as to the Candidate's conduct, abilities, past training and general promise of suitability. On the report of this Committee it will be determined whether the Candidate shall be admitted to compete. Candidates will be required to pass at the same time a Medical Examination, according to the prescribed regulations, as to their physical fitness for the Navy.

5. Every candidate must be in good health, and free from any physical defect of body, impediment of speech, defect of sight or hearing, and also from any predisposition to constitutional or hereditary disease or weakness of any kind, and be in all respects well developed and active in proportion to his age.

It should be particularly noted that full normal vision—as determined by Snellen's tests—is required for Candidates for Naval Cadetships. A memorandum is issued by the Admiralty which gives details of the physical requirements of Candidates. (See page 864.)

6. Candidates admitted to compete will present themselves for examination in June by the Civil Service Commissioners. Particulars of the examination can be obtained from the Secretary, Civil Service Commission, Burlington Gardens, W. (See also Appendix I. attached.)

By arrangement between the Admiralty and the War Office a candidate who is admitted to compete in the examination for special entry as a Naval Cadet may, if he so desires, and provided he fulfils all the necessary conditions, present himself at the same time for admission to the Royal Military Academy, Woolwich, or Royal Military College, Sandhurst, or to Supplementary first appointments in the Royal Marines, in which case he must express



definitely his order of preference\* before the examination has begun. For particulars of the conditions of entry to the Royal Military Academy and Royal Military College, application should be made to the Secretary, Civil Service Commission.

Regulations for Supplementary first appointments in the Royal Marines may be obtained from the Secretary of the Admiralty. (See page 864.)

7. A list of successful candidates in order of merit will be published by the Civil Service Commission.

8. Successful Candidates will be appointed as Cadets to undergo a course of training for a period of 1½ years. During this period they will be accommodated on board a cruiser, part of the instruction being given on board and part on shore.

On completing this course, and passing out satisfactorily, they will join the Fleet as Midshipmen. They will become Midshipmen later in age than Cadets who enter through Osborne, but their services in that rank will be shorter, with the general result that except for the effect of the accelerated promotion which they may obtain by doing well in their final examinations, their age will usually be about a year more on attaining the rank of Lieutenant. This will be no bar to their advancement according to merit. The same subsequent career will be open to them as to Officers who have entered the Navy through Osborne and Dartmouth.

9. Naval Cadets under training will be subject to the Regulations for the time being in force respecting such Cadets.

10. Parents or Guardians are required to make a private allowance of 50*l.* per annum to Cadets from the time they join the Naval Service until they reach the rank of Acting Sub-Lieutenant (namely for a period of about 3 years and 4 months) and thereafter a private allowance at the rate of 20*l.* a year for the period (usually not exceeding two months) that they remain Acting Sub-Lieutenants with pay at the rate of 3*s.* 6*d.* a day before becoming Sub-Lieutenants. On reaching the rank of Sub-Lieutenant, an Officer is required to provide himself with the uniform of a Commissioned Officer.

11. Cadets will be paid 1*s.* a day from the time of entry until they become Midshipmen, when their pay will become 1*s.* 9*d.* a day. On reaching the rank of Sub-Lieutenant an Officer will be paid 5*s.* a day. The commencing rate of pay of a Lieutenant, reached after at most two years as Sub-Lieutenant, is 10*s.* a day.

A Sub-Lieutenant can meet his mess and other necessary expenditure on the pay of 5*s.* a day.

12. The parent or guardian of every Cadet is required to provide outfit under the regulations in force. The outfit, together with a sextant, costs about £60.

13. All travelling expenses for Cadets are advanced by the Paymaster of the Naval Establishment to which they are attached, but will be charged to the Cadet.

Such money as may be required by Cadets for any special circumstance will be advanced by the Paymaster under the authority of their Commanding Officer.

14. Parents or Guardians of Cadets must, in all cases of permanent change of residence, inform the Admiralty and the Commanding Officer of the Ship in which their sons are serving.

15. Cadets may be required to withdraw at any time, if in the opinion of the Lords Commissioners of the Admiralty—

- (1) they fail to obtain a satisfactory standard, or
- (2) their conduct is unsatisfactory, or
- (3) they are considered unsuitable for the Naval Service.

16. It will be open to Officers, after reaching Commissioned rank, to volunteer for service in any one of the special branches, undertaking either Navigation, Gunnery, Torpedo, or Engineering duty.

By Command of Their Lordships.

W. GRAHAM GREENE,

Admiralty, 1913.

#### OUTFIT.

The outfit required on joining is the same as given on pages 861-862 for a Cadet in the Training Cruiser

#### SEXTANT.

Cadets after joining will be required to procure a Sextant. The regulations as to Sextants are given on page 862.

#### APPENDIX I,

##### SUBJECTS OF EXAMINATION.

	Marks.
English - - - - -	2,000
English history and geography -	2,000
French or German or Latin -	2,000
Mathematics:—	
Elementary - - - - -	2,000
Intermediate - - - - -	2,000
Higher (optional) - - - - -	2,000
Science (physics and chemistry) -	2,000
Elementary engineering (optional)	2,000

Both papers marked optional may be taken. Candidates will not be excluded who do not take the papers marked optional, but no candidate will be accepted who does not show a competent knowledge of mathematics as well as obtain a satisfactory aggregate in the examination.

Certificate A obtained in the "Officers' Training Corps" will entitle the holder to an addition of 200 marks.

The question papers (except in elementary engineering) will be the same as those taken in corresponding subjects in the military entrance examinations, particulars of which can be obtained from the Civil Service Commissioners, Burlington Gardens, W.

The paper on elementary engineering will comprise questions in the subjects of the following syllabus. The questions will be of a very elementary character, and knowledge of workshop practice will not be required.

#### SYLLABUS OF EXAMINATION IN ELEMENTARY ENGINEERING.

Applications in mechanism of elementary mechanical principles. Machines considered as means of (a) converting motion, (b) transmitting power. Simple examples. Velocity ratio. Mechanical advantage. Efficiency. Horse power, how measured. Dynamometers. The Indicator and Indicator diagrams. Crank-effort in relation to piston thrust. Function of flywheel.

Elementary treatment of strength of materials. Tensile, compressive, and shearing stress. Elastic and non-elastic strain; elastic limit. Hooke's law. Young's Modulus of Elasticity. Behaviour of iron and steel in a testing machine. Stress-strain diagrams. Simple examples of calculation of dimensions in relation to strength. Stresses in the members of frames where the members are jointed and loaded at the joints; graphic method.

Principle of the conservation of energy as applied in the steam engine and other heat engines. Conversion of energy of fuel into heat, and heat into mechanical effect. Boiler and engine efficiency. Common forms of engines and boilers, and general features of action. Properties of steam. Expansion of steam in the cylinder. Compound expansion. The slide valve. Governing of engines. Types of steam turbines. Internal combustion engine using gas or oil. The four-stroke cycle.

\* Following the Army Regulations, a Candidate may say that if he is not among the first (so many successful competitors for the Royal Military Academy or the Royal Military College) as the case may be he will elect for a Naval Cadetship.



## PHYSICAL REQUIREMENTS FOR CANDIDATES FOR COMMISSIONS IN THE ROYAL NAVY.

With a view to preventing Candidates who may be physically unfit for His Majesty's Service from incurring the inconvenience and expense of preparing for commissions in the Royal Navy, it is suggested that they undergo examination by the medical adviser of the family, or any other qualified medical practitioner, to whom the following list of defects which cause rejection may be submitted for guidance.

It is to be understood that this private examination is merely suggested as a guide for intending Candidates and to lessen the chances of disappointment, and that it is by no means intended to take the place of, or to influence in any way, the regular Official Physical examination.

1. A weak constitution, imperfect development, physical weakness, either hereditary or from chronic disease, wounds, or injuries.

2. Skin disease, unless temporary or trivial.

3. Malformation of the head, deformity from fracture or depression of the bones of the skull, impaired intellect, epilepsy, paralysis, or impediment of speech.

4. Blindness or defective of vision, imperfect perception of colours, fistula lachrymalis, or any chronic disease of the eyes or eyelids. Candidates for Naval Cadetships must possess full normal vision as determined by Snellen's tests, each eye being separately examined, for Candidates for other branches of the Royal Navy, full normal vision is not required, but any defect of vision must be due to errors of refraction which can be corrected to normal by glasses, and vision without glasses must in any case be not less than 6/60 with each eye, and the candidate must also be able to read D=0,6 of Snellen's test types.

5. Impaired hearing or discharge from one or both ears or any disease of the external, middle, or internal ear.

6. Disease of the bones of the nose, or of its cartilages, nasal polypus, or disease of the nasopharynx.

7. Disease of the throat, tongue, palate, or tonsils, many unsound teeth,† unhealthy gums, disease of the glands of the throat or neck, external cicatrices, if at all extensive, and especially if adherent.

8. Functional or organic disease of the heart or blood vessels, deformity or contraction of the chest, or any symptom of lung disease or tendency thereto.

9. Undue swelling or distension of the abdomen, obesity, disease or enlargement of the abdominal organs. Rupture, weakness or distension of the abdominal rings; any disease of the bladder or incontinence of urine.

10. The existence of any defect of the genital organs, or of varicocele when it clearly forms, or is likely to form, a serious impediment to the efficient performance of duty, e.g., when it is associated with varicose veins or piles.

11. Paralysis, weakness, impaired motion or deformity of the upper or lower extremities, from whatever cause; a varicose state of the veins, especially of the leg. Bunions, distortion or malformation of the hands, feet, fingers, or toes.

12. Distortion of the spine, of the bones of the chest, or pelvis, from injury or constitutional defect.

No person will be admitted into His Majesty's Service unless he has been vaccinated. Re-vaccination will also be required if considered necessary.

† *i.e.*—Seven teeth defective or deficient in persons under 17 years of age on the date of entry, ten defective or deficient teeth in persons above the age of 17—a tooth being considered as defective when it cannot be made permanently serviceable by dental repair. Credit is also given for teeth which have not erupted. Candidates must, however, possess some sound opposing molars and incisors. The numbers given above are intended as a general guide, and are not necessarily strictly adhered to, provided the general condition of the teeth is good.

## ENTRY AND EXAMINATION OF OFFICERS.

### REGULATIONS FOR SUPPLEMENTARY FIRST APPOINTMENTS IN THE ROYAL MARINES.

*Admiralty,  
March, 1912.*

#### 1.—APPOINTMENTS AS PROBATIONARY SECOND LIEUTENANT.

1. Appointments as Probationary Second Lieutenant Royal Marines will be offered annually to Candidates who may pass successfully a competitive examination and be otherwise qualified as detailed.

2. The number of appointments each year will vary according to the requirements of the Service, and notice thereof will be published about three months before the examination.

3. The examination of Candidates will be conducted by the Civil Service Commissioners in the month of June as specified in Section III. The examination will be held in London, and such other centres as the Commissioners may appoint. The fee for the examination in London will be 2*l.* and at any other centre 3*l.*, in addition to any local fees. The oral and practical parts of the examination will be held in London only.

4. Every Candidate for examination must make application to the Secretary of the Admiralty not later than the 1st of April of the year of examination.

5. Candidates must be unmarried. The limits of age will be from 17 to 19. Candidates must have attained the age of 17 and must not have attained the age of 19 on the first of June of the year of examination.



6. Candidates will be required to present themselves at the Admiralty, where they will be separately interviewed before they are admitted to compete at the examination. Those admitted to compete will be given the necessary forms, after the interview, to enable them to make application to the Civil Service Commissioners to be examined.

7. A Candidate must be of pure European descent and the son either of natural-born British subjects or of parents naturalised in the United Kingdom. In doubtful cases the burden of clear proof will rest upon the Candidate. He must also produce a certificate of his ability to swim, and a certificate of birth.

8. Successful candidates will be required to undergo an examination by the Medical Director General of the Navy as to their physical fitness for appointment.

The physical requirements are precisely the same as those for commissions in other branches of the Royal Navy (see page 863), except that in addition Candidates must be at least 5-ft. 5-ins. in height.

9. Parents or guardians are required to make an Officer a private allowance of at least 60*l.* a year until his pay amounts to 7*s.* 6*d.* a day (*i.e.*, for about three years), and of 45*l.* a year from that date until he is in receipt of 10*s.* a day (*i.e.*, during an additional period of from one to two years).

They must further undertake to provide him with the outfit required on appointment as Probationary Second Lieutenant, and also the additional uniform authorised on receiving his commission.

II.—CONDITIONS OF SERVICE.

10. The Candidates selected after examination will be appointed Probationary Second Lieutenants in the Royal Marines. Their seniority will be that of the order in which they were placed by the Examiners.

11. *Corps Nomination.*—One appointment in the Royal Marines will be given annually to the son of a combatant Officer of the Royal Marine Forces recommended to His Majesty by the Lords Commissioners of the Admiralty.

In the selection for this appointment preference will be given—

(a) To sons of Officers who have been killed in action or have died of wounds received in action within six months of such wounds having been received, or from illness brought on by fatigue, privation, or exposure, incident to active operations before an enemy, within six months after having been first certified to be ill; or—

(b) To sons of Officers who have attained the substantive rank of Major or Lieutenant-Colonel, and have performed long and distinguished service.

This appointment is contingent on the nominee qualifying in the entrance examination and showing a competent knowledge in the subjects Mathematics and Science.

12. *Period of Probation.*—Officers will be considered as on probation until they have completed all their courses of instruction and training and have been successful in all the examinations herein-after mentioned

13. *Removal from the Service.*—Officers who fail in any examination will be removed from the Service unless reasonable grounds for a second trial can be proved. They are also liable to be discharged at any time for unsatisfactory conduct.

14. *Date of Commissions.*—Commissions as Lieutenant Royal Marines will be granted to Officers after passing the final military examination. They will be posted to the Royal Marine Artillery or Royal Marine Light Infantry according to the requirements of the Service, but will be on one general list for seniority and promotion in the Corps.

15. The final order of seniority of Officers will be determined by the results of all their professional (naval and military) examinations during the probationary period of their service.

16. The higher classes of certificates in the final examinations entitle Officers to accelerated increase of pay.

\* III.—SUBJECTS OF EXAMINATION.

17. The subjects of examination are as follows:—

CLASS I.		Marks.	
(i) English .. .. .	2000	} Obligatory.	
(ii) English History and Geography	2000		
(iii) French or German or Latin ..	2000		
(iv) Mathematics A (Elementary) ..	2000		
(v) Mathematics B (Intermediate)	2000		
(vi) Science (Physics and Chemistry)	2000		
CLASS II.			
(vii) (a) French or German or Latin	2000	} Optional.	
(b) Mathematics C (Higher) ..	2000		

All the subjects in Class I. must be taken up. Only one of the subjects in Class II, may be taken up, and if this subject is a language, it must be different from the language selected in Class I.

In addition to the above-named subjects, Candidates may take up freehand drawing, to which 400 marks will be allotted, but from these marks such deductions will be made as will prevent indifferent draughtsmanship from receiving any credit.

Certificate A, obtained in the Officers' Training Corps, will entitle the holder to receive 200 marks additional to the above.

No Candidate will be accepted who does not (1) show a competent knowledge of mathematics in the elementary and intermediate stages, and (2) obtain a satisfactory aggregate in the examination.

IV.—COURSES OF INSTRUCTION AND TRAINING.

(a) *Royal Naval College, Greenwich (1st Course).*

18. Candidates appointed Probationary Second Lieutenants will proceed to the Royal Naval College, Greenwich, on the 1st October following, for a course of eight and a half months' study, to be concluded by an examination in the subjects studied.

19. Officers will receive daily instruction in infantry drill and in physical training during this course.

20. A mess allowance of 1*s.* 6*d.* a day will be granted during the period of study at the College.

21. The quarters in the College are fully furnished, and a small daily charge is made for their upkeep. Officers will be required to provide their own Sheets, Pillow and Bolster Cases, and Towels.

(b) *Head Quarters, Royal Marines.*

22. On completion of the examination at Greenwich, Officers will be granted leave before joining a Royal Marine Division on the 1st July.

The ensuing course at a Division will extend over a period of about 20 weeks, during which Officers will receive instruction in Infantry Training, Musketry, Military Law and Administration, and a Recruit Officer's course of Naval Gunnery.

\* A copy of the regulations including a detailed syllabus of the Subjects of Examination can be obtained on application to the Secretary of the Admiralty.



*(c) H.M.S. "Vernon."*

23. In the middle of November the course of Electrical Telegraphic, and Torpedo instruction in H.M.S. "Vernon" will begin. This course will occupy about three months including Christmas leave, and on its conclusion an examination will take place.

*(d) H.M.S. "Excellent."*

24. The Gunnery course of 11 weeks in H.M.S. "Excellent" will commence about the middle of February and will also terminate with an examination.

*(e) Embarkation in a Cruiser.*

25. The Officers will embark about the middle of May, for a period of six months, in a cruiser for instruction in Naval duties. Before disembarkation an intermediate examination in these duties will be held, after which leave will be granted until the end of December.

*(f) Head Quarters, Royal Marines.*

26. On the 1st January the Officers will proceed to one of the Royal Marine Head Quarters, where theoretical instruction will be combined with practical work in the duties of an Officer Royal Marines until the following September.

*(g) Royal Naval College, Greenwich (2nd Course).*

27. The second course at the Royal Naval College, Greenwich, will extend from the 1st October to the middle of the following June. During this period the Officers will be instructed in military subjects, including a course of riding. The final examination in military subjects will then take place and the Officers will receive their commissions.

*(h) Embarkation in a Battleship.*

28. Early in August the Officers will embark in battleships as Subalterns of the detachment under a Captain Royal Marines.

29. During this embarkation, which will extend over a period of about twelve months, Officers will receive further instruction in deck duties and navigation, and at the same time will take their part in all the routine work connected with the Detachment Royal Marines.

On completion of this tour of duty afloat, Officers will be finally examined in Naval subjects.

30. Subalterns who have obtained a "First" class certificate in each of the final professional examinations will receive the increase of pay, and also, when embarked, take relative rank with Lieutenants R.N. from the date of the examination.

## CLOTHING, ACCOUTREMENTS, &amp;c.

Officers appointed to the Royal Marines will be required to provide themselves with the following articles of Uniform Clothing, Accoutrements, &c., at the periods stated below.

The Dress Regulations are printed in detail in the Quarterly Navy List. Sealed patterns of Uniform and Equipment may be seen at the Admiralty Pattern Rooms, Broadway, Westminster, S.W.

The Uniform will be that prescribed for Officers, R.M.L.I., except the buttons which are of a special pattern.

1. *Before joining the Royal Naval College, Greenwich, on Appointment as 2nd Lieutenant.*—2 serge frocks, 1 mess jacket, 1 mess vest (stand-up collar and a black tie will be required for mess dress, 1 forage cap (badge-globe and laurel, no bugle), 1 tin case for cap, 2 white cap covers, 1 field service cap (ornament same as collar badge of frock), 1 pair mess overalls, 1 pair uniform trousers, 2 pairs serge working trousers, 1 pea jacket, 1 uniform waterproof coat and cape, 1 pair patent leather Wellington boots, 1 pair calf Wellington boots, 1 pair leggings, 1 set boot trees, 2 pairs lace boots, with plain toe caps, 1 uniform tin case (full length), 2 cricket shirts, 2 pairs white flannel trousers, 1 white sweater, 1 gymnasium belt, dark blue, 1 pair white gymnasium shoes, 1 sword and leather scabbard (Infantry pattern), 1 set Sam Browne belt and slings, 1 brown leather sword knot, 2 pairs brown regulation gloves, 1 pair field glasses, high power.

2. *On joining Head Quarters*—1 pair blue cloth-pantaloon, 2 pairs blue putties, 1 haversack (Corps pattern), 1 water-bottle (Corps pattern), 1 whistle (Corps pattern).

3. *Before joining Cruiser.*—1 frock coat, 1 web waist belt and full dress slings, 1 crimson silk sash, 1 gold sword knot, 1 waistbelt with brown leather slings, 2 pairs white gloves, 1 steel scabbard.

4. *On receiving a Commission.*—Full-dress tunic and remainder of uniform.

*Note.*—The rates of pay for Marine Officers entered under these regulations are given at page 786a.

## REGULATIONS FOR CHAPLAINS, R.N.

Admiralty,

December, 1911.

## ENTRY.

1. To render a Candidate eligible for appointment as a Chaplain in the Royal Navy he must fulfil the following conditions:—

(a) He must be an ordained Deacon and Priest of the Church of England, or admitted to the same Holy Orders by the lawful authority of one of the Churches within the Realm of Great Britain and Ireland which are in communion with the Church of England.

(b) He must not hold any benefice with a Cure of Souls.

(c) He must produce satisfactory testimonials from the Bishop of the Diocese in which he was last licensed, addressed to the Lords Commissioners of the Admiralty.

(d) His age must not exceed 30, or in certain exceptional cases 35 years.

(e) He must have been examined by the Chaplain of the Fleet, and reported by him to be in every respect a fit and proper person to serve as Chaplain in His Majesty's Service.

(f) He must be pronounced physically fit for service by the Medical Director General of the Navy.

2. Every Chaplain appointed for service must, as a condition to such appointment, receive a special ecclesiastical licence from the Archbishop of Canterbury and his successors, such licence to be one capable of recognition by all Bishops and other Authorities of the Church of England throughout the world during the period such Chaplain shall remain on the Active List of the Royal Navy.

3. Chaplains will be appointed for a period of four years only in the first instance. They will not be retained beyond that period unless the requirements of the Service render it desirable, and unless they have proved themselves to be in every way suitable for permanent duty in the Navy. Chaplains not so retained will be discharged with a gratuity under clause 7 of these Regulations.

Resignation before the expiration of four years' Service may be permitted, in special circumstances, at the discretion of the Admiralty.

In the event of discharge after short service the names of Chaplains who are recommended will be specially brought to the notice of the Bishop in whose Diocese they may desire to take duty.

## PAY.

## 4. Full Pay:—

	Year of 365 Days.	One Day.
Under 5 years' service .. ..	219 0 0	0 12 0
After 5 .. ..	237 5 0	0 13 0
" 8 .. ..	255 10 0	0 14 0
" 11 .. ..	273 15 0	0 15 0
" 14 .. ..	292 0 0	0 16 0
" 17 .. ..	310 5 0	0 17 0
" 20 .. ..	328 10 0	0 18 0
And for each additional year of service 1s. a day more until the maximum is reached, namely..	401 10 0	1 2 0

## 5. Half Pay:—

Over 3+ and Under 5 years' service	109 10 0	0 6 0
After 5 years' service .. ..	127 15 0	0 7 0
" 8 .. ..	146 0 0	0 8 0
" 11 .. ..	164 5 0	0 9 0
" 14 .. ..	191 12 6	0 10 6
" 17 .. ..	219 0 0	0 12 0
" 20 .. ..	255 10 0	0 14 0
" 25 .. ..	292 0 0	0 16 0

† The three years' qualifying service may be dispensed with at the discretion of their Lordships under the conditions shown in the King's Regulations and Admiralty Instructions.



RETIREMENT.

6. Chaplains who are permitted to resign before the expiration of four years' Service will not be entitled to any retiring allowance or to either half or retired pay.

7. Chaplains who withdraw from the Royal Navy after four years' full pay service under the provisions of paragraph 3 (whether at their own request or not) will be eligible to receive a gratuity of 500*l.* on leaving.

Chaplains who may be retained beyond that period will be allowed, at the discretion of their Lordships, to withdraw from the Navy at the expiration of 6, 8, 10, 12 or 16 years' service, with Gratuities calculated upon the following scale, viz:—

After 6 years' full pay service	..	£600
" 8 " " " "	..	800
" 10 " " " "	..	1,000
" 12 " " " "	..	1,200
" 16 " " " "	..	1,600

Officers are to give six months' notice of their wish to withdraw with a gratuity, and similar notice will be given by the Admiralty should it be decided to terminate an appointment at the end of four years' service.

8. A Chaplain who obtains from their Lordships permission to accept a living, or desires to retire from the Service, may at the discretion of the Admiralty, if he has not less than ten years' service, be retired with Retired Pay on the following scale, in lieu of withdrawing with a gratuity, viz:—

After 10 years' full pay service £50 per annum.

" 15 " " " "	100 "	"
" 20 " " " "	The amount earned	
	by service under	
	Order in Council	
	of 22nd February	
	1870, ranging	
	from 255 <i>l.</i> 10 <i>s.</i> up	
	to a maximum of	
	400 <i>l.</i> per annum.	

A Chaplain appointed by their Lordships to a Greenwich Hospital living, and having more than 10 years' service may receive the Retired Pay earned by his service.

9. Their Lordships reserve the power to retire Chaplains whose conduct of their clerical duties during the first 12 years' of their service may be unsatisfactory on gratuities according to the following scale:—

	£	s.	d.
Over 3 years' service	..	..	328 10 0
" 5 " " "	..	..	383 5 0
" 8 " " "	..	..	438 0 0
" 11 " " "	..	..	492 15 0

10. Retirement (on the ordinary scale of retired pay earned by service) will be optional at the age of 55.

11. Retirement will be compulsory at the age of 60, or at any age if the Chaplain is found physically unfit for active service, or has not held an appointment for three consecutive years.

MISCELLANEOUS.

12. Chaplains are entitled to be victualled when on board ship, or to receive the allowance in lieu (1*s.* 6*d.* a day) when detached on duty. In certain circumstances widows are eligible for pensions varying from 50*l.* to 80*l.* a year, in ordinary cases, with compassionate allowances for children, varying from 9*l.* to 16*l.* as laid down in the King's Regulations.

TEMPORARY SERVICE.

13. Clergymen in Priests' Orders will be allowed to take temporary service in the Navy, without any restrictions as to age, and will be appointed "Acting Chaplains for Temporary Service." While so employed they will occupy the same position, enjoy the same privileges, and be subject to the same regulations as ordinary Naval Chaplains. They will receive 21*l.* a year (12*s.* a day), but they will not be entitled to a gratuity or any other advantages at the termination of their temporary service. Candidates must present themselves at the Admiralty, bringing with them their Letters of Order, Testimonials, &c., preparatory to their being examined by the Chaplain of the Fleet as to their fitness for these appointments. Preliminary application should be made in writing to the Secretary of the Admiralty.

All Candidates must be prepared to go to any part of the world to which their ships may be sent.

REGULATIONS FOR ENTRY OF CANDIDATES FOR COMMISSIONS IN THE MEDICAL DEPARTMENT OF THE ROYAL NAVY.

Admiralty, May, 1913.

1. Every Candidate for admission into the Medical Department of the Royal Navy must be not under 21 nor over 28 years of age on the day of the commencement of the competitive examination. He must produce an extract from the Register of the date of his birth; or, in default, a declaration made before a Magistrate, from one of his parents or other near relative, stating the date of birth.

2. He must declare:—

- (1) His age and date and place of birth.
- (2) That he is of pure European descent\* and the son either of natural born British subjects, or of parents naturalised in the United Kingdom.
- (3) That he labours under no mental or constitutional disease or weakness, nor any other imperfection or disability which may interfere with the most efficient discharge of the duties of a Medical Officer in any climate.
- (4) That he is ready to engage for general service at home or abroad, as required.
- (5) Whether he holds, or has held, any commission or appointment in the public services.
- (6) That he is registered under the Medical Act, giving the date of his registration as a medical student, or of his beginning professional study.
- (7) Whether he has previously been examined for entry in the Naval Service, and, if so, when.

3. The certificates of registration and birth must accompany the declaration, which is to be filled up and returned as soon as possible, addressed to the Director General, Medical Department, Admiralty, S.W., to permit of reference to the Candidate's Medical School.

4. The Dean or other responsible authority of such school will be requested by the Medical Director-General to render a confidential report as to the Candidate's character, conduct, professional ability and fitness to hold a commission in the Royal Navy.

5. The Candidate will then be interviewed by the Medical Director-General, and his physical fitness will be determined by a Board of Naval Medical Officers. The Medical Director-General will then decide whether he may be allowed to compete.

6. If accepted, he will be eligible to present himself at the entrance examination which will be held twice a year. (See heading Examinations, section 16.)

7. The appointments announced for competition will be filled from the list of qualified Candidates, arranged in order of merit; but, should it at any time be considered expedient to grant Commissions beyond those periodically competed for, the Admiralty have power to admit annually not more than six Candidates according to requirements, specially recommended by the governing bodies of such Colonial Universities as may be selected and whose qualifications are recognised by the General Medical Council.

Candidates so proposed are to be approved by the Director-General of the Medical Department of the Navy.

They will have to pass a physical examination before a Board of Naval Medical Officers in their Colony, and will be required to register their qualifications on arrival in England. They will be allowed, if they wish it, to compete at the next examination for entrance, and take their position according to the order of merit. Should they decide not to compete they will be placed at the bottom of the list. It will, however, be in any case necessary for them to pass a qualifying test at the time of the usual half-yearly examinations, when they will be required to obtain a minimum of 50 per cent. of the total marks allowed in each Subject. In case of failure in this test examination the Admiralty will not undertake to defray the cost of the return journey to the Candidate's Colony, or other expenses thereby incurred.

8. A fee of £1 will have to be paid by each candidate to enable him to take part in the competition.

9. Candidates who have served in the Officers' Training Corps, and who are in possession of the

\* If any doubt should arise on this question the burden of clear proof that he is qualified will rest upon the Candidate himself.



Certificates laid down in the regulations for that Corps will be credited at the entrance examination with additional marks as follows:—Candidates in possession of Certificate A will receive 1 per cent. and those who possess Certificates A and B, 2 per cent. of the maximum number of marks allotted.

10. A Candidate will not be allowed to compete at more than two examinations.

11. A Candidate successful at the entrance examination will be appointed as Acting Surgeon in the Royal Navy and will be required to pass through such courses of instruction as the Admiralty may decide. (*See under the heading Examinations.*) At the end of the courses the Acting Surgeon will be examined, and, after he has passed, will be given a commission as Surgeon in the Royal Navy. The commission will date from the day of passing the entrance examination. An Acting Surgeon who fails to qualify at the above examination, that is to say, who fails to obtain at least 50 per cent. of the marks in each subject at the examination at the end of the Greenwich and Haslar Courses, will, if he so elects, be allowed a second trial at the next examination, and, should he qualify, he will be placed at the bottom of his original list; but should he again fail, his appointment will not be confirmed, and he will be required to withdraw. During the period intervening between the two examinations he will be allowed no pay from Naval Funds, and the period will not be counted as service for either promotion, withdrawal with gratuity, or retirement after 20 years' service.

12. A gold medal, a silver medal and three Navy Regulation pocket cases will be awarded as prizes in connection with these examinations; and the Gold Medallist will have a distinguishing mark after his name in the Navy List, provided he obtains at least 75 per cent. of the aggregate maximum marks in the London and Haslar examinations combined.

13. A Candidate who at the time of passing the examination for entry into the Medical Branch of the Royal Navy holds or is about to hold an appointment as Resident Medical or Surgical Officer in a recognised civil hospital, may be allowed to serve in such civil appointment provided that the period of such service after the date of entry into the Royal Navy does not exceed one year. Pay from Naval funds will be withheld from Officers while thus serving, but the time concerned will reckon for increase of full and half pay while on the active list, and retired pay or gratuity on retirement or withdrawal, except that no Officer will be allowed to retire on a gratuity until he has completed four years' service exclusive of the time spent as Resident Medical or Surgical Officer. The eligibility of this appointment to count for time will be decided by the Medical Director-General.

14. The seniority of surgeons on entry will be determined by the sum total of the marks they obtain at the London examination and the examinations at the conclusion of their probationary period as Acting Surgeon. Their names will then be placed in the Official Navy List. Candidates who hold or are about to hold a post as Resident Medical Officer or Surgical Officer to a recognised civil hospital will retain the position in the list which they obtained on entry, and when their period of service as Resident Officer is over, they will join the next "Acting Surgeons' Course," and will be required to obtain qualifying marks. Surgeons entered without competition will take seniority next after the last surgeon entered at the same time by competition.\*

15. Surgeons on entry are required to provide themselves with a regulation pocket case of instruments.

15a. Acting Surgeons under training may, if they wish, provide themselves with those articles of uniform only which are required for dresses No. 5 (Undress) and No. 7 (Mess Undress), omitting white trousers, sword and belt. On receiving commissions as Surgeons they must provide themselves with the complete outfit of uniform prescribed by the regulations.

#### *Examination for Entry.*

16. Candidates will be examined by the examining board in the following subjects:—

- (a) Medicine, including medical pathology and therapeutics.

(b) Surgery, including surgical pathology and clinical surgery.

The examination will be partly written and partly practical, marks being allotted under the following scheme:—

Medicine.		Surgery.	
Paper	- - 400	Paper	- - 400
Clinical	- - 400	Clinical	- - 400
Oral	- - 400	Oral	- - 400
	1,200		1,200

No candidate shall be considered eligible who obtains less than 50 per cent. of marks in each subject. The examination will be held in London and will occupy four days.

The Regulations as to examination for and promotion to the higher ranks are included in the King's Regulations and Admiralty Instructions, while particulars as to pay, retirement, etc., are shewn in the Navy List under the Tables of Full and Half Pay, and under the Rules for Retirement.

#### *Post-graduate Instruction and Examination for the Rank of Staff Surgeon.*

17. The Post-Graduate Instruction of Naval Medical Officers will consist of two distinct courses:—

- (i) A five months' course prior to advancement to Staff Surgeon;
- (ii) A second course of three months' duration for officers of not less than 14 years' seniority.

Course (i), which is compulsory for all Surgeons, will be followed by an examination before the Medical Examining Board in London, the successful passing of which will be a qualification for promotion to the rank of Staff-Surgeon. The course is to be taken when a Surgeon has between 4½ and 6½ years' seniority, and as near the date when the latter period is completed as the exigencies of the service admit. The courses will take place twice a year.

The subjects of study and examination will be—

#### Compulsory:—

- (a) Clinical Medicine and clinical Surgery.
- (b) Operative Surgery.
- (c) Anæsthetics (practical).
- (d) Ophthalmology.
- (e) Clinical pathology.
- (f) Hygiene.

#### Optional:—

- (g) Throat, Nose, and Ear Diseases.
- (h) Skiagraphy.

A Surgeon who fails to obtain a pass will be allowed a second trial, but will not have a second course of instruction. Should he again be unsuccessful, he will be compulsorily retired on attaining eight years' seniority, with such gratuity as the Admiralty may see fit to grant, but not exceeding £500.

Instruction in clinical pathology and hygiene will be given at the Naval Medical School; the remaining subjects will be studied at the "Dreadnought" Hospital and other civil hospitals in London, as may be arranged from time to time by the Medical Director-General of the Navy.

The Surgeons going through the course will be accommodated at the Royal Naval College, Greenwich, and will be under the general control of the President. Their instruction throughout will be under the immediate supervision of the Professor of Hygiene, appointed in charge of studies.

Course (ii) is not compulsory, but is designed to afford senior officers the opportunity of refreshing their general knowledge of surgery and medicine, and of making themselves familiar with modern advances. There will not be any fixed syllabus of instruction or examination, but arrangements will be made in each case by the medical officer in charge of studies at Greenwich to meet individual requirements, and a report will be made by this officer to the Medical Director-General at the close of the course. The officers attending this second course will also be accommodated at Greenwich.

#### REGULATIONS FOR THE RESERVE OF MEDICAL OFFICERS.

(Established under Order in Council of the 11th August, 1903.)

The special attention of Candidates is directed to the following rules under which Officers are allowed

\* See Clause 7 of the Regulations for Entry.



to withdraw from the Service after 4 year's full pay service in the Royal Navy, with the advantage of joining the Reserve of Naval Medical Officers—(see below).

After 4 years' service in the Royal Navy, an officer, if he wishes, may pass from Active Service to the Reserve of Naval Medical Officers, when he will reap the following advantages:—

- (i) He will be granted a gratuity of £500 on passing into the Reserve.
- (ii) His name will be retained in the Navy List; he will retain his Naval rank and be entitled to wear his Naval uniform under the Regulations applying to officers on the Retired and Reserved Lists of His Majesty's Navy.
- (iii) If he agree to remain in the Reserve for 4 years, he will receive a retaining fee of £25 per annum. If, at the expiration of this period, he agree to remain in the Reserve for a further period of 4 years, he will continue to receive the same retaining fee.

Any Officer who from residence abroad, physical disability, or for other reason, may be considered by the Admiralty to be not immediately available for Service if required, will be liable to removal from the Reserve and forfeiture of retainer.

Should an officer prefer it, however, he may simply enter the Reserve for a period not exceeding 8 years, with power to give six months' notice of his intention to resign his position at any time (in which case he will receive no retaining fee). He may also adopt this method of Reserve Service after the expiration of 4 years served under the conditions referred to in (iii), by renouncing his retaining fee for his last 4 years' service in the Reserve.

No officer will be allowed to remain in the Reserve for a longer period than 8 years.

While belonging to the Reserve, Officers must report any change of address to the Secretary of the Admiralty.

Officers of the Reserve will be liable to serve in the Royal Navy in times of war or emergency. When called up for such service they will receive the rate of pay, viz., 17s. a day and allowances, to which they would have been entitled after 4 years' service on the Active List.

Complete copies of the Regulations for the entry of Medical Officers will be forwarded on application.

**REGULATIONS FOR THE ENTRY OF SURGEONS FOR TEMPORARY SERVICE IN THE MEDICAL DEPARTMENT OF THE ROYAL NAVY.**

Surgeons who may be temporarily employed in the Royal Navy to meet the requirements of the Service will be appointed under the following regulations:—

**QUALIFICATIONS.**

To be registered under the Medical Act as qualified to practise Medicine and Surgery in Great Britain and Ireland.

To produce certificates of good character.

To be reported physically fit after medical examination.

Age not to exceed 40 years.

**PAY AND ALLOWANCES.**

Full Pay.		Half Pay.	
A day.	A year.	A day.	A year.
22s. 0d.	£401 10s. 0d.	10s.	£182 10s. 0d.

Note.—Half pay is for sickness and extra leave only.

To be granted 30 days' advance of pay on joining a ship after appointment.

To receive the same allowances as are payable to permanent Officers of their rank.

Lodging money at the rate of £50 a year is usually allowed when employed on shore without Quarters in the United Kingdom, and £24 a year in lieu of rations. In cases, however, of temporary employment on shore, the lodging and provision allowances will be at the rate of 3s. 6d. and 1s. 6d. per day respectively.

If Quarters are provided in a Medical Establishment, an allowance is granted in lieu of provisions, for self and servant, and for fuel and lights at the rate of £39 a year in the United Kingdom, and £108 a year abroad.

**UNIFORM.**

Each Surgeon to provide himself as follows:—

- (1) Frock coat, waistcoat, and trousers.
- (2) Undress coat.
- (3) Uniform cap.
- (4) Mess jacket and waistcoat.
- (5) Sword and undress belt.

All as specified in the Uniform Regulations.

To cover the above each officer accepted for service will receive an Equipment allowance of £20 (payable on the Officers being called up for active service).

The following instruments must be provided by the Surgeons:—

- A Pocket case of instruments.
- A Stethoscope.
- Three Clinical Thermometers.

**MESSING.**

Surgeons will be allowed, when attached to ships in commission, the ordinary ship's rations; but will have to pay about 2s. a day towards the maintenance of their mess as Ward-room Officers.

**PENSIONS FOR WOUNDS AND TO WIDOWS, &c.\***

In the event of Surgeons engaged for temporary service being wounded in His Majesty's Service, Gratuities or Pensions, varying in amount according to the injuries sustained, will be granted, on the basis of the awards in similar cases of Naval Officers.

Should Temporary Service Surgeons be killed in action, or die within two years of wounds received in action, or meet their death by acts of the enemy, Pensions and Allowances will be granted to their widows, children, &c., according to the scale laid down for Naval Officers (see p. 893).

In addition to the foregoing Pensions, the widows and children of officers killed in action will be granted the following Gratuities:—

Widows—One year's pay of their husband's corresponding rank in the Royal Navy.

Each unmarried child, under the age of 21, one-third of the Gratuity paid to the widow.

These Pensions and Gratuities can be given only in cases of injury or death caused by acts of the enemy, and not on account of injury, disability or death, which may result from carrying on the ordinary duties of the Service.

**CONDITIONS OF SERVICE.**

To engage for six months' certain, but the liability to serve will be limited to five years.

To serve when and where required from the date of signing the Declaration. †

To be liable to immediate discharge for misconduct or incompetency.

To rank with, but after, Surgeons in the permanent service.

To be under the general rules of the Service as regards discipline, &c.

To receive two calendar months' notice of services being no longer required.

To be granted a gratuity of two calendar months' pay on discharge if not discharged for misconduct or incompetency.

Voluntary resignation of appointment will be allowed subject to the convenience of the Service, but the gratuity of two calendar month's pay on discharge will be thereby forfeited.

\* \* \*

\* Unmarried Candidates will be preferred.

† It should be distinctly understood that Candidates entering their names are not liable in any way to serve until they have signed the Declaration, which they will only be called on to do when their services are required.



*Admiralty, April, 1912.*

REGULATIONS RESPECTING THE ENTRY  
OF ASSISTANT CLERKS.

1. Appointments to Assistant Clerkships will be made by limited competition, with the following exception, viz.:—

One candidate will be nominated annually, who will be required to obtain such an aggregate of marks in Class I. as may satisfy the Civil Service Commissioners.

2. This candidate will be selected by the Board of Admiralty from sons of officers of the Navy or Royal Marines who have been killed in action or who have been lost at sea on active service, or killed on duty or who have died of wounds received in action or injuries received on duty within six months from the date of such action or injury, or who have performed long and meritorious service.

Except as regards exemption from the competitive examination, the candidate will be subject in all respects to these regulations.

All other candidates will be nominated by the First Lord of the Admiralty.

Applications to have the names of candidates placed on the list should be addressed to the Assistant Private Secretary of the First Lord of the Admiralty. Candidate for the June Examination must apply before the 31st March, and candidates for the December Examination before the 30th September. No applications received after those dates will be entertained. Application should not be made until the candidate has reached the age of sixteen.

3. Two examinations for Assistant Clerkships will be held annually—in June and December—under the direction of the Civil Service Commissioners (address—Burlington Gardens, London, W.).

Candidates will be required to pay a fee of 1*l.* 10*s.* to the Civil Service Commissioners before the Educational Examination.

The Civil Service Commissioners will deal with all questions connected with such Examination, and will announce the results.

4. No candidate will be eligible for examination in June who is under 17 or over 18 years of age on the 15th July following, or for examination in December who is under 17 or over 18 years of age on the 15th January following. As proof of the candidate's eligibility in point of age, a Registrar's Certificate of Birth must be produced. A certificate of baptism alone will not be accepted.

5. The number of Assistant Clerks to be entered at each examination will be regulated by the requirements of the Service.

6. A candidate must be of pure European descent and the son either—

- (1) of natural born British Subjects, or
- (2) of parents naturalised in the United Kingdom.

If any doubt arises upon this question the burden of clear proof that he is qualified will rest upon the candidate himself.

7. Candidates who may be successful at the educational examination will be required to pass the medical examination, according to the prescribed regulations, before the Medical Director-General of the Navy, and must be found physically fit for the Royal Navy.

They must be in good health and free from any physical defect of body, impediment of speech, defect of sight or hearing, and also from any predisposition to constitutional or hereditary disease, or weakness of any kind, and in all respects well developed and active in proportion to their age. The cases of short-sighted candidates, in other respects fit, will be specially considered.

The decision arrived at by the Medical Officers will be considered final.

8. Candidates if nominated will be required to produce (1) certificates of good conduct from the masters of any schools at which they may have been educated during the two previous years, or, if educated at home, from their tutor or the clergyman of the parish in which they reside; (2) a certificate of ability to swim.

9. Candidates will be examined in the following subjects in Class I., and must obtain such an aggregate of marks as will satisfy the Civil Service Commissioners. They will also be permitted to present themselves for examination in two other subjects under Class II.:—

<i>Class I.</i>	MARKS.
1. Arithmetic, including Mensuration .. .. .	500
2. Mathematics (Algebra, Geometry, and Trigonometry) .. .. .	600
3. English, including Handwriting, Spelling, Dictation, Composition, Precise and Shorthand, special attention being attached to Composition and Shorthand .. .. .	700
4. Geography and English History, with special reference to the period since 1485 .. .. .	400
5. French or German, special attention being attached to the Oral Examination .. .. .	600

2 Mathematics will include the following, practically treated:—

Triangle, the number and nature of the conditions that determine it, simple relations among its parts. Parallels; Areas, expression for the area of a parallelogram and of a triangle in terms of base and height; making triangle or square equal to any given figure; volumes easily deduced. Arithmetical definitions of ratio; properties of similar figures. Sine, cosine and tangent of angles less than 180°. Circle, simple relations, angle properties, tangents and rectangle properties, Algebraic formulas, graphs, equations, indices, logarithms in connection with the above and other problems. Theorem of Pythagoras and its extension to any triangle. The formulas  $a^2 = b^2 + c^2 - 2bc \cos A$  and  $\sin A/a = \sin B/b = \sin C/c$  and their application to the solution of triangles. Expression of  $\sin 2A$  and  $\cos 2A$  in terms of  $\sin A$  and  $\cos A$ .