

2
Educational (1913) Department.

ORDINARY MS.

G.O., No. 24

DATED 7-1-1913 .

[Despatch Abstract.]

Report Recovering ^{with servant} letter from the D.P.I. submitting the
quarterly — of the Trinichonal export, Dr. St. Navsden
for the period July to Sept 1912

1912-7/9/13

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

[E. & L.]
1,000-17-11-11.

Edual DEPARTMENT.

CURRENT FILE.

PAPERS PUT UP WITH CURRENT No. _____

Papers of the department to which the current belongs.

Number.	Date.	Original (=O.) or spare copy (=S.O.)	Remarks. (In this column such of the papers as have been removed for copying, printing, etc., should be marked with a cross.)	Initials of clerk with date in token of return to Reference department.

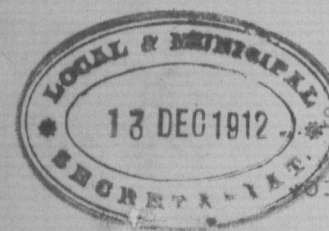
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Department.	Number.	Date.	Original (= O.) or spare copy (= S.C.).	Initials with date of (1) clerk of the Chief Secretariat department acknowledging returns of the paper concerned or (2) Despatcher to denote the return of the papers to departments outside the Chief Secretariat.

Received _____ 191 , Registered _____ 191 .

C. 3374 ed 2
13.12.12

Subject.

Submitting for orders of Government the quarterly report
of the Tinctorial Expert, Dr. F. Marsden, for the period
(July to September 12).

ENCLOSURES.

No. _____

Spare copies _____

N. Ref on Cur No. 9896/12

Station Madras, Dated the 12 December 1912.From (Name) The Hon'ble Mr. A.G. Bourne, D.Sc., F.R.S., C.I.E.(Designation) Director of Public Instruction,Madras.To the Secretary to the Government of Madras,
Educational Department.

N.V.S.

TH
13/12

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11-12-12

1912-13

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Department of ^{Public Instruction} Industries,

Madras.

Disposal

From The Ag. Supt. of Industrial Education, Madras.
To The Director of Public Instruction, Madras.

No. 14629

Dated 11. December 1912.
Received
Registered
No. of Enclosures

SUBJECT.

Submitting the quarterly report of Mr. F. Maroden, Dy. Insp. of Ind. Edu., for the period (July to September, 1912).

Department of Industries

Technical Institute,
Madura, 13th September, 1912

NO 44 of 12.

From

F. Marsden., M.Sc. Ph.D.

Tinctorial Expert,

M a d u r a.

TO

The Director of

Public Instruction,

Through

The Superintendent of

Industrial Education

M a d r a s.

Sir,

Respecting the progress of the Dyeing class which I started in July last, I have to submit the following report.

I opened the class on July 11th with 4 students whose ages ranged from 17-20. One student had studied for Matriculation, two had been in the Fifth Form of the High School and one had only attended up to the Fourth Form. I afterwards admitted two further students who were engaged in business and were desirous of attending, but I refused many other applications as the applicants had no special connection with the trade. there was no likelihood of their being able to make any practical use of the instruction and, at the time, the class was complete.

Within the first month two of the students retired, stating that they found attendance at the classes interfered with their business duties. The attendance of the two of the others has been somewhat irregular owing to sickness, absence from Madura, and business, but two have attended very well and have shown real interest in the work of the class. The knowledge of English possessed by the students may on the whole be looked

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upon as sufficient to permit of them benefitting by the instruction.

I have felt distinctly handicapped by the absence of the usual apparatus and adjuncts to teaching, and the instruction had been largely oral, with the result that at times it has been difficult to keep the interests of the students from flagging. Further it has not been possible to put them through a course of preliminary exercises to train their hands, and the effect of this will be to make it more difficult for them to efficiently carry out the exercises in experimental dyeing etc, upon which we are now starting.

Up to the present I have dealt in the class with the General Properties of Matter and the Elements of the Chemistry of the Non-Metals, and propose to deal with the Metallic Salts and Compounds used in the dyeing industry, as also with those portions of ~~the~~ Organic Chemistry, which are of special interest, as occasion arises. The students do not yet realise the bearing of these subjects upon the question of dyestuffs, their composition and uses and can not appreciate the necessity of studying General Chemistry before proceeding to take up the question of dyeing as such, in the details of which alone they are at present interested, and at present therefore I think it advisable to curtail the instruction in pure science and devote more attention to the practical exercises illustrating the methods employed with the different classes of dyestuffs, and the effects of various influences upon the textile fibres. I understand from Professor Knecht that he met with the same difficulty when he started the dyeing classes some 30 years ago in Manchester; the instruction had to be mainly practical, and although this course is one, which, in general, is not to be recommended, it appears that, under present conditions, it will be the best one to follow, and we can wait until the value is more appreciated before going more fully into ^{the} Theoretical subjects which ought to form the preliminary study.

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I have the honour to be,

Sir,

Your most obedient servant.

Fred Marden
Tinctorial Expert.

N^o 146297 11-12-12

Submitted to the Director of Public Instruction,
Mass.

J. M.
11/12/12

Ag. Superintendent of Industrial
Education.

N. REF ON CURRENT NO. 9896/12 dated th 12 December 12.

Submitted to Government.

G. W. H. H. H. H.
For Director of Public Instruction.

N.V.S.
ag
12-12-12

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READ AGAIN G.O. No., dated 191
" " " " 191

READ ALSO:-

C. No. 3374, From the SPJ, No. 9896/12 dated 12-12-1912.

" " " " 191

" " " " 191

ORDER.

mis

No. 24 mis dated 7.1 1913.

Recorded.

2. Future quarterly reports
should be more promptly
submitted to Govt.

7H
3.1.13

CA
4.1.13

LD
5.1.13

Note. The report does not seem to
call for any remarks.

7H
3.1.13

It is much too Early

for ret. LD
6.1.13

Lo
He D P D
8.1.13
9H

am
7/1/13

Handwritten notes at the top of the left page.

Handwritten numbers and symbols: 5, -21-21, 1/1000, 190, 4000.

Handwritten word: Printed.

Handwritten symbol: $\frac{M}{2}$.

Handwritten text at the bottom left: It was the only paper left. All the paper was used. $\frac{M}{2}$.

When given for copying
When copied
When examined
When signed

191

READ AGAIN G.O., No. 191, DATED

CURRENT No.

ENCLOSURES TO G. No.

ORDER OF GOVERNMENT.

LETTER OF GOVERNMENT.

STATEMENT WITH DETO.

PAPERS NOT FILLED UP, BEING MEANT FOR DISPATCH IN ORIGINAL.

A A A A A A A

V.B.—

- A = Copy in full
- B = Not to be copied.
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