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Educational (1905) Department.

ORDINARY PRINTED.

G.O., No. 794-795

DATED 4-12-05

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Please

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[Despatch Abstract.]

~~Provincial Education~~

Industrial Education

Addressing the Govt. of India on the Subject of ~~appointing~~ appointing a Director of Technical instruction and Mr. Thomas Ramsden.

BACK PAPERS.

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

FURTHER PAPERS.

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

Government of Madras.

EDUCATIONAL DEPARTMENT.

Recd. } 1905. *Enclosures*

Regd. } 1905. *Spare copies*

G.O., &c., Nos. 794, 795, 4th December 1905.

Industrial Education.

Addressing the Government of India on the subject of appointing a Director of Technical Instruction, in the Madras Presidency.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

Read—the following paper:—

G.O., Nos. 313, 314, Educational, dated 12th May 1905.

Abstract.—Submitting to the Government of India the views of this Government on the report of the Committee on Industrial Education.

Order—No. 794, Educational, dated 4th December 1905.

The Government of India will be addressed.

(True Extract.)

H. D. Taylor,
Ag. Secretary to Government.

Letter—from H. D. TAYLOR, Esq., I.C.S., Acting Secretary to the Government of Madras, Educational Department.
To—the Secretary to the Government of India, Home Department.
Dated—Fort St. George, the 4th December 1905.
No.—795.

In my letter No. 314, dated the 12th May 1905, a report was submitted to the Government of India on the subject of industrial education. While proposing to lay the foundation for a sound system of technical education in the future by providing that instruction in drawing, mensuration and geometry should form part of the ordinary curriculum of primary and secondary schools, this Government proposed to separate industrial education entirely from general education and to create a separate department which would deal both with the control and inspection of technical schools and colleges, and would undertake the initiation of new industrial developments, the procuring and diffusion of information on industrial subjects and the provision of a supply of qualified instructors. It was stated that a Director of Technical Instruction on a salary of Rs. 1,250—50—1,500 should be appointed, and a proposition statement for the creation of that appointment was enclosed.

2. The Government have not yet been favoured with the views of the Government of India on the scheme thus formulated, and as six months have elapsed since the date of my previous letter, I am directed again to address you on the subject and to lay before the Government of India in some further detail the views of this Government on the subject and the extreme desirability of an early decision being arrived at.

3. In his despatch No. 17, Public (Educational), dated the 15th February 1900, the Secretary of State sanctioned the employment of Mr. Chatterton of the College of Engineering, Madras, for a term of three years on the special duty of furthering the progress of technical and industrial education in this Presidency. During this period Mr. Chatterton was mainly employed in the introduction and development of

the aluminium industry, the successful issue of which enterprise was reported to the Government of India in Mr. Cardew's letter No. 502 of the 9th October 1903. It was then proposed to extend Mr. Chatterton's special duty by eighteen months, and this proposal was sanctioned by the Secretary of State in his despatch No. 64, Public, dated 8th April 1904. Meanwhile Mr. Chatterton proceeded on ten months' furlough, part of which he devoted to making investigations in England and America into various industrial questions. The result of these enquiries was stated in a Note, copy of which was forwarded to the Government of India with Revenue Department's letter No. 394, dated 5th May 1905, and acknowledged in Mr. Robertson's letter No. 1424–132–2, dated 17th August 1905.

4. Mr. Chatterton returned to duty in February last and since then he has been engaged in the practical application of the results of his special enquiries. Great progress has been made in the promotion of the chrome leather industry, a considerable demand for chrome leather goods has sprung up, and there is reason to believe that further demonstration of the advantages of the improved methods of tanning used in producing chrome leather will result in the industry being firmly established in this Presidency. Mr. Chatterton has also since his return examined the working of the hand-loom industry both in Bombay and Bengal, and has found an improved type of hand-loom, as well as of other weaving apparatus, which, he believes, will eventually enable the hand-loom weaver to compete successfully with the power-loom. He has further devoted considerable attention to the development of irrigation by pumps driven by oil-engines, and a number of pumping stations have been established. He has been entrusted with the carrying out of some important experiments in pumping at the Government farm on the Hagari river. He is also carrying on the work of inspecting all technical schools.

5. From this summary it will be seen that Mr. Chatterton is doing important and useful work, and there is abundant evidence that he has gained unusual influence among all classes interested in the industrial development of the country. To his other functions he adds that of general adviser to all who wish to exploit any branch of industry, and he is able to supply information otherwise nowhere obtainable. If a tanner who hears of improved tanning methods or an agriculturist who wishes to try an experimental pumping installation applies to a private commercial firm, he is furnished merely with such apparatus as the firm stocks or is agent for. It is most important in the present state of the country to provide a bureau where the best available advice on industrial methods can be obtained. Mr. Chatterton now in some measure supplies this want, and the numerous applications to him for information and references in the press to the lines on which he is working afford evidence of the interest which he has aroused.

6. The Government are most anxious that the movement thus initiated should be maintained and strengthened, and that with this object Mr. Chatterton should be placed in a position permanently to direct it. At present he is on a period of special duty which will terminate in June next. Under such conditions, it is impossible either to make a proper programme of future operations or to secure him a suitable staff and assistance. With the extension of Mr. Chatterton's operations, the provision of a body of efficient assistants is important, but this cannot be made so long as Mr. Chatterton is only on special duty, and all appointments under him are temporary. Moreover until a decision as to the permanent continuance of Mr. Chatterton's special work has been arrived at, the provision of suitable buildings and offices is also a matter of doubt and difficulty. In many other ways the temporary nature of Mr. Chatterton's position has a disadvantageous effect on his work.

7. For these reasons I am to invite the special attention of the Government of India to the importance of the early constitution of the appointment of Director of Technical Instruction which was proposed in my letter of the 12th May 1905 above referred to. As soon as sanction to the creation of this appointment has been secured, the Government propose to appoint Mr. Chatterton to it and thus to give him a firm basis for future work. In the opinion of His Excellency in Council the results already attained, the attention at present directed to subjects of industrial development, and the special aptitude for the work which Mr. Chatterton displays alike render it most important that the enterprise shall be persevered in and extended.

8. I am to add that should the decision of the Government of India on these proposals be in any way delayed by hesitation as to the expediency of accepting this Government's proposals regarding the separation of industrial from general education, His Excellency in Council would prefer that that question should be reserved for further consideration, rather than that the placing of Mr. Chatterton's work on a continuing and stable basis should be postponed. In that case, this Government would propose that the designation of the proposed appointment should be changed to that of Director of Industrial and Technical Enquiries, the subject of technical education being left for separate discussion.

Educational Department.

NOTES CONNECTED WITH G.O., Nos. 794, 795, EDUCATIONAL, DATED 4th DECEMBER 1905.

[Subject.—*Appointment of Director of Technical Instruction.*]

Revenue Department.

Order in Council.

A reminder to be sent to Government of India asking for an answer to the letter proposing to create the appointment of Director of Technical Education.

This not to be a mere formal reminder but is to say that Mr. Chatterton is doing most important work, and gaining great influence among all classes, that the present would be the worst time to relax exertions, that if these exertions are persisted in, Government are now hopeful of success; that Mr. Chatterton is the one man qualified and that he should be continued to be employed on the same lines as at present, but that in order to give him fixity of tenure and to enable him to develop a plan of operations, he should have a definite permanent appointment which should be the one already proposed, that it is important that an early decision should be arrived at, as Government see their way to further useful developments, such as, *e.g.*, that Mr. Chatterton should be given status of a general adviser on commercial and industrial matters for which a demand is rapidly developing.

A. G. Cardew—7-11-05.

With reference to the Order in Council, dated 7th instant, a draft letter to the Government of India is submitted. I have drafted it, by arrangement with Mr. Taylor, but it is proposed that it should issue from the Educational Department, as the earlier letter No. 314, dated 14th May 1905, issued from that department.

The last paragraph is for orders. It is possible that it may prevent delay through discussions or through comparison with proposals from other Presidencies.

2. If approved, the draft will be sent to Educational for acceptance and issue.

A. G. Cardew—14-11-05.

I think it an excellent draft and have approved it. It should go to His Excellency also for approval.

G. S[tokes]—15-11-05.

Pending His Excellency the Governor's return, the draft may be sent to Educational for acceptance. Educational will presumably submit to Honourable Member in charge of Education.

A. G. Cardew—16-11-05.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

The draft has been checked in this department and may be accepted. I notice only the use of "Director of Technical *Instruction*" for "Director of Technical Education" in paragraphs 1 and 7. The expression used in letter No. 314, Educational, dated 14th May 1905, is "Director of Technical Education".

A. GALLETTI—16-11-05.
H. D. TAYLOR—16-11-05.

Director of Technical *Instruction* is right. Technical education is a different thing from technical instruction. The draft applies therefore the appropriate title.

Draft accepted.

G. S. F[ORBES]—17-11-05.

To the Revenue Department.

REVENUE DEPARTMENT.

May be marked for His Excellency.

F. B. EVANS—21-11-05.

Submitted to His Excellency the Governor for approval.

A. G. CARDEW—22-11-05.

Approved. It is an excellent draft.

A[MPTHILL]—24-11-05.

Will Educatoin issue this?

A. G. CARDEW—27-11-05.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

Issue.

H. D. TAYLOR—28-11-05.

[G.O., Nos. 794, 795, Educational, dated 4th December 1905.]

Educl.
REVENUE DEPARTMENT.

Again &c. pp 313-314 Educl 12-5-05 - abstract

Order 794 dy. 4-12-05

The Government of India will be addressed.

SLC
14.XI.05.

Letter 795 dy. 4-12-05.

To the Secretary to the Govt. of India.
Home Dept.

Sir,

In my Letter No. 314 dated the 12th May 1905 a report was submitted to the Govt. of India on the subject of industrial education in which I proposing to lay the foundation for a sound system of technical education in the future providing that instruction in drawing, mensuration & geometry should form part of the ordinary curriculum of primary & secondary schools, this Govt. proposed to separate industrial education entirely from general education and to create a separate department which would deal both with the control & inspection of technical schools & colleges, and would undertake the initiation of new industrial

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SLC 17/11

24-11-05

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G.O. No 174 Edl dt 10-4-00. C. page 3.

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made in the promotion of the chrome leather industry, a considerable demand for chrome leather goods has sprung up, and there is reason to believe that further demonstration of the advantages of the improved methods of tanning used in producing chrome leather will result in the industry being firmly established in this Presidency. On the subject of weaving Mr. Chatterton has since his return examined the working of the hand-loom industry both in Bombay & Bengal, and has formed an improved type of hand-loom, as well as of other weaving apparatus, which he believes will eventually enable the hand-loom weaver to compete successfully with the power-loom. He has further devoted considerable attention to the development of irrigation by pumps driven by oil-engines, & a number of such pumping stations has been established. He has been entrusted with the carrying out of some important experiments in pumping at the Govt. Farm on the Hagari River. He is also

80. Ms Gol Rev. dl 19-9-05. B/

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I have &c.

A.G.L.
14.XI.05.

Hearing of Mr. Chatterton's work on a continuing & stable basis

24-11-05

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28/11/15

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E OF GOVERNMENT. (A)

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