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389-13-7-91.

Educational (1904) Department.

ORDINARY PRINTED.

G.O., No. 65-66

DATED 27. 1. 04.

INDEXED.

N. P.

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ORIGINAL

[Despatch Abstract.]

Deputation on special duty.

Addressing the Govt of India on the subject
of placing Mr. A. Chakerton on special
duty for a period of six months while he
is on furlough.

BACK PAPERS.

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FURTHER PAPERS.

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Government {1904} of Madras. EDUCATIONAL.

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Enclosures

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1904.

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ORIGINAL

G.O., &c., Nos. 65, 66, 27th January 1904.

N. P.

JANUARY.

Special duty of Educational officers

Addressing the Government of India on the subject of placing Mr. A. Chatterton on special duty for a period of six months while he is on furlough.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—again the following paper :—

G.O., R. No. 592, Educational, dated 24th December 1903.

ABSTRACT.—Granting Mr. A. Chatterton privilege leave for three months from or after the first of April 1904 and furlough for seven months in continuation.

READ—also the following paper :—

From the Hon'ble Mr. A. G. BOURNE, D.Sc., F.R.S., Director of Public Instruction, Madras, to the Secretary to Government, Educational department, dated 8th January 1904, Ref. on C. No. 8880.

With reference to paragraph 2 of this office endorsement Ref. on C. No. 8880, dated 17th December last, recommending that the leave applied for by Mr. Chatterton be sanctioned, I have the honour to state that Mr. Chatterton proposes, if placed on special duty during his leave, to make himself practically acquainted with modern developments in those branches of Engineering and in such industrial matters as are likely to come within the range of his work whether as Professor of Engineering or employed on special duty in the furtherance of Indian industries. He also states that, as he has not been informed what his work will be when the period for which he is now on special duty expires, he is unable to supply more details than those specified in his letter No. 1438 of 2nd December last, submitted with this office endorsement Ref. on C. No. 8880, dated 17th idem.

2. I am required to consider carefully any proposals which may be submitted by an officer desirous of being placed on special duty with reference to the needs of the province and also to the fitness of the officer to carry them out. I have been unable to procure from Mr. Chatterton anything beyond the somewhat vague proposals herein mentioned.

3. Mr. Chatterton's fitness for such work and its desirability are well known to Government; and it may be that Government is prepared to recommend the proposals as they stand to the Government of India. I submit, however, that, to avoid creating a precedent by giving an officer such a roving commission, he should, when applying to be placed on special duty, make more detailed proposals, that he should state the country or countries in which he proposes to pursue his studies and draw up a sort of tour programme.

ORDER—No. 65, Educational, dated 27th January 1904.

The following letter will be despatched to the Government of India.

(True Extract.)

A. G. CARDEW,
Ag. Secretary to Government.

LETTER—No. 66, Educational, dated 27th January 1904, to the Secretary to the Government of India, Home Department.

In continuation of my letter No. 28, Educational, dated the 13th instant, on the subject of the deputation of Dr. Bourne and Mr. Middlemast on special duty to study educational systems in England and elsewhere while on furlough, I am directed to state that Mr. A. Chatterton of the Indian Educational Service, who has just been granted privilege leave for three months from or after the 1st April next and furlough for seven months in continuation, has also applied for permission to go on special duty for a period of six months while on leave.

2. The directions in which Mr. Chatterton proposes to make enquiries and the reasons for making them are as follow :—

(1) An examination into the system of well irrigation in the Western States of America, where water is stated to be raised by electric motors and windmills. The Governor in Council has recently sanctioned a scheme for starting five demonstration farms, where the possibility of raising water for irrigation by pumps driven by oil engines and other motors will be investigated. The examination proposed by Mr. Chatterton will be specially useful in connection with this scheme.

(2) The selection or possibly the production, in communication with manufacturers, of a pump better suited for irrigation purposes than those now available. The Governor in Council understands that the ordinary centrifugal pump only yields four-tenths of the energy put into it, but that there are pumps which give a higher proportion of energy. These may possibly be with advantage adapted for use in India.

(3) The prosecution of enquiries in England as to the possible introduction of warping and sizing machinery suitable for the weaving industry in this country. With a suitable warping machine much aid might be given to the weavers here and much of the present weaving industry might be preserved.

(4) The examination of the methods adopted in chrome tanning as done in America with a view to the introduction of the industry in this country. With this object Mr. Chatterton proposes to visit principally Boston and Philadelphia, the chief centres of tanning in America.

(5) The examination of the present state of technical education in England with which object he would visit the chief technical schools in England, such as those at Leeds, Cardiff, London, Manchester, Liverpool, Birmingham.

3. Mr. Chatterton has been employed during the last three years on the special duty of developing the technical trades and industries of the Presidency. The period for which he was originally appointed to this duty will expire on the 7th proximo, but the Governor in Council has, in letter No. 535, Educational, dated 29th October 1903, proposed to extend it by eighteen months, of which sixteen months will count from the date of his return from leave. The subjects mentioned in the foregoing paragraph come within the scope of his special duty and information in the directions indicated will be very useful in the development of agricultural and technical education. The Director of Public Instruction and the Madras Government are also thoroughly satisfied of Mr. Chatterton's fitness for the special duty on which he proposes to go while on leave.

4. His Excellency the Governor in Council therefore recommends for the favourable consideration of the Government of India that Mr. Chatterton be placed on special duty for the purposes mentioned. At least six months will be required for the enquiries and the Governor in Council recommends that this may be fixed as the period of special duty.

A. G. CARDEW,
Ag. Secretary to Government.

NOTES CONNECTED WITH G.O., Nos. 65, 66, EDUCATIONAL,
DATED 27TH JANUARY 1904.

[SUBJECT.—*Mr. Chatterton's Special Duty while on Furlough.*]

From the Director of Public Instruction, No. 8880, dated 8th January 1904.

Mr. Chatterton was granted privilege leave for three months from or after the 1st of April 1904 and furlough for seven months in continuation in G.O., No. 592, Routine, dated 24th December 1903.

2. In his application for leave Mr. Chatterton desired also to be placed on special duty in England for six months "to study such industrial developments as are likely to be under consideration here in the immediate future". The Director called for fuller information on the subject and promised to address Government on receipt of the information he had called for.

3. The Director now states that Mr. Chatterton, being ignorant of what his work will be on his return from leave, is unable to supply more details than those specified in his application for leave, and proposes generally to make himself practically acquainted with modern developments in such branches of Engineering and in such industrial matters as are likely to come within the range of his work whether as Professor of Engineering or as officer on special duty in the furtherance of Indian industries. These proposals, as the Director states, are vague and will not be sufficient for the Government of India. They have recently stated (G.O., No. 559, Educational, dated 17th November 1903) that they will not entertain proposals for placing officers on special duty unless all the conditions of their despatch of 2nd October 1902, including the approval of the Director of Public Instruction, are observed. The Director, therefore, may be asked to furnish Mr. Chatterton with a copy of G.O., No. 49, Educational, dated 30th January 1903, containing the Government of India's despatch of 2nd October 1902, and to require him to submit, with reference to condition No. 4 laid down in the despatch, a full statement of the points of enquiry he proposes to make and of the reasons for enquiring into them. Mr. Chatterton may also be informed that he would probably be placed on special duty on his return from leave (G.O., Nos. 534, 535, Educational, dated 29th October 1903).

T. KANAKASUNDARAM PILIAI—11-1-04.

P. T. THARYAN—11-1-04.

The Government of India want—

(1) a full statement of the points for enquiry and the reasons for enquiring;

(2) long notice so that they may have time to write a despatch to the Secretary of State before the officer reaches England.

Even if Mr. Chatterton were to draw up a full statement at once and it were to be sent up at once, the Government of India would probably consider the notice short, still they would have time between the end of January and the beginning of April to write their despatch. Meanwhile Mr. Chatterton says he can't draw up a full statement unless Government inform him what he is to do when he returns. May this question now be considered?

2. It is not easy to see why the Government of India want notice "a sufficiently long time before the officer leaves the country". Unless they want to see the officer before he goes, I should have thought it would be sufficient to give

them long notice before the officer is placed on his six months' special duty. Mr. Chatterton's leave lasts ten months, and he need not be placed on duty till the 1st of August.

A. GALLETTI—12-1-04.

From paragraph 1 of the Government of India's Despatch No. 6, dated 2nd G.O., No. 49, dated 30th January 1903. October 1902, it will be seen that the system of placing Educational officers on special duty while on furlough was particularly intended to enable teachers in technical subjects to study improved methods in Europe and elsewhere, and it is, therefore, specially desirable that Mr. Chatterton should be given this opportunity while at home. In his letter No. 1438, dated 2nd December 1903 (in G.O., No. 592 R., dated 24th December 1903), he has specified some of the subjects which he wishes to examine in Europe and America. To save delay, I asked Mr. Chatterton to come and state, as definitely as possible, what directions he now thinks his enquiries should take, and he specifies the following:—

(1) the examination of the system of well-irrigation in the western States of America, where water is raised by electric motors and wind-mills. This examination would be specially useful with reference to the scheme recently sanctioned in the Revenue department, for starting five demonstration stations where the possibility of raising water for irrigation by pumps driven by oil-engines or other motors will be investigated;

(2) the selection, or possibly the production in communication with manufacturers, of a pump better suited for irrigation purposes. The ordinary centrifugal pump only yields four-tenths of the energy put into it. There are pumps which give a higher percentage, and the question is whether they cannot be adapted to purposes out here;

(3) the prosecution of enquiries in England (Lancashire) as to the possible introduction of warping and sizing machinery suitable for the weaving industry in this country. If such machinery could be devised, it would enable warps to be sent out from a small central factory, and so reduce cost of production to the weaver and at the same time produce a better warp, with better sizing;

(4) the examination of the chrome-tanning method, as used in America and England, with a view to its introduction in this country. With this object he would visit tanneries at the chief centres of tanning, which, in America, are Boston and Philadelphia; and

(5) the examination of the present state of the technical study of England, with which object he would visit the chief technical schools, *e.g.*, Leeds, Cardiff, London, Manchester, Liverpool, Birmingham, &c. At Leeds there is a big tanning school, so that place is specially important.

It seems to me that these proposals would be sufficiently definite to satisfy the Government of India. There is still sufficient time before Mr. Chatterton leaves the country, at the beginning of April, and as he is to be on privilege leave for the first 3 months from then, his special duty would not begin till July. I would propose, therefore, to address India at once.

A. G. CARDEW—13-1-04.

Subjects (1) and (2) seem to concern the Agricultural department and not the Educational; while (3) and (4) relate to general industrial development.

All payments of furlough allowances are charged to the Home accounts and do not come against the Provincial budget, and it is probable that the pay and allowances drawn by an Educational officer on special duty while on furlough will be treated as furlough allowances, and not borne by the Educational department.

A. G. CARDEW—19-1-04.

So far as Education is concerned (5) the examination of the state of technical instruction in England is the only subject with regard to which his department can apply for his being put on special duty at the cost of the departmental budget.

G. S. F[ORBES]—17-1-04.

The file may be forwarded u.o. to Revenue department for acceptance of the proposals in the note, dated 13th January 1904.

A. G. CARDEW—19-1-04.

To the Revenue department.

REVENUE DEPARTMENT.

Submitted for orders.

A. APPADURAI PILLAI—19-1-04.

We may approve of subjects (1) to (4) in Mr. Cardew's note and might perhaps add to (5) the study of the working of agricultural schools if there are such.

F. B. EVANS—20-1-04.

The question is whether the information that Mr. Chatterton is likely to obtain by his investigations and studies under heads (1), (2), (3) and (4) of Mr. Cardew's note of 13th January 1904, is likely to be sufficient to justify his being placed on special duty. We may with confidence answer in the affirmative. There is an ample field for such enquiries in the countries mentioned by Mr. Chatterton, and he is so keenly interested in the subjects concerned that he is certain to make the most of his opportunities for acquiring knowledge.

So far, therefore, as these four subjects are concerned, we may recommend Mr. Chatterton's deputation on special duty.

J. N. ATKINSON—20-1-04.

I agree. I regard Nos. (1) and (3) as subjects of much importance. With a suitable warping machine much aid might be given to the weavers, so much so as to possibly preserve much of the weaving industry. I would certainly press for Mr. Chatterton's being put on special duty for the purpose of studying these subjects.

G. S[TOKES]—21-1-04.

To the Educational department.

EDUCATIONAL DEPARTMENT.

[Submitted to] His Excellency the Governor.

A. G. C.—22-1-04.

I concur with the Hon'ble Mr. Stokes.

A[MPHILL]—23-1-04.

The draft placed below is submitted for approval.

P. T. THARYAN—23-1-04.

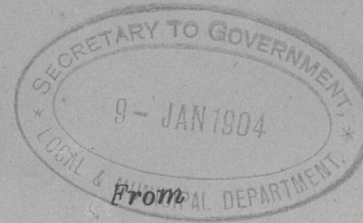
A. GALLETTI—25-1-04.

A. G. C.—26-1-04.

G. S. F[ORBES]—27-1-04.

[G.O., Nos. 65, 66, Educational, dated 27th January 1904.]

Educational (190⁴) Department.



CURRENT No. 69

[Name] The Hon'ble Mr. A.G. Bourne, D.Sc., F.R.S.,

[Designation] Director of Public Instruction,

[Station] Madras.

Ref. No. C.No. 8880 of 03,

Received 9.1.1904

Dated 8th January 1904.

Enclosures

Registered 80 190.

SUBJECT.

Explaining the nature of the work to be undertaken by Mr. A. Chatterton if placed on special duty during his furlough.

BACK PAPERS.

49-30-1-03 ✓
461-7-8-02 ✓
534-35-29-10-03 ✓

70559-17-11-03 ✓
70592-24-11-03 R ✓

FURTHER PAPERS.

9/1/14 2004 SC

3. Mr. Chatterton's fitness for such work and its desirability are well known to Government and it may be that Government is prepared to recommend the proposals as they stand to

* 808 no. 592902 H
24-12-05

or after the 1st April next and furlough for seven months in continuation, has also applied for permission to go on special duty for a period of six months while on leave.

2. The directions in which Mr. Chatterton proposes to make enquiries and the reasons for making them are as follow:—

(1) An examination into the system of ~~water~~ irrigation in the western States of America where water is stated to be raised by electric motors and windmills. The ~~Madras~~ ^{or} ~~Government~~ ^{air} has recently sanctioned a scheme for starting five demonstration farms where the possibility of raising water for irrigation by pumps driven by oil engines and other motors will be investigated. The examination proposed by Mr. Chatterton will be specially useful in connection with this scheme.

(2) The selection or possibly the introduction in communication with manufacturers of a ~~new~~ pump better suited for irrigation purposes than those now available. The

Governor in Council understands that the

the ordinary centrifugal pump only yields four-tenths of the energy put into it but that there are pumps which give a higher proportion of energy. These may possibly ^{be} with advantage ~~be~~ adapted for use in India.

(3). The prosecution of enquiries in England as to the possible introduction of warping and sizing machinery suitable for the weaving industry in this country. With a suitable warping machine much aid might be given to the weavers here and much of the present weaving industry might be preserved.

(4). The examination of the methods adopted in chrome tanning as done in America with a view to the introduction of the industry in this country. With this object Mr. Chatterton proposes to visit principally Boston and Philadelphia, the chief centres of tanning in America.

(5). The examination of the present state of technical education in England with which object he would visit the chief technical schools in England, such as those at Leeds, Cardiff, ~~the~~ London, Manchester, Liverpool, ~~the~~ Birmingham.

Birmingham.

3. Mr Chatterton has been employed # 80 no. 174202 M
10-4-00
during the last three years on the special duty of developing the technical trades and industries of the Presidency. The period for which he was originally appointed to this duty will expire on the 17th proximo but the Governor in Council has in letter no 535 of 1st 29th October 1903 proposed to extend it by eighteen months of which sixteen months will count from the date of his return from leave. The ^{subject} ~~points of enquiry~~ mentioned in the foregoing paragraph come ^{scope of his} ~~within the sphere of his investigations~~ and the ~~provision~~ of information in the directions indicated will ~~not only~~ be very useful, ~~not only to him so far as his work is concerned but also to this Government in the development of~~ ^{agricultural} ~~education and technical~~ ^{Education.} ~~industries~~ which subjects are now engaging attention. The Director of Public Instruction and the Madras Government are also thoroughly satisfied of Mr Chatterton's fitness for the special duty on which he proposes to go while on leave.

His Excellency the Governor in Council ~~and~~ therefore ~~strongly~~ ^{recommends} ~~Mr Chatterton~~ ^{for} ~~the~~

This proposal is for the late Mr Chatterton's special duty.

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for the favourable consideration of the Govt. of India. ~~The maximum period~~ of six months will be required for the enquiries and ~~may be allowed the full~~ recommends that they may be fixed as the period 25 1/4 of duty. ^{at least}

that Mr Chatterton be placed on special duty for the purposes mentioned at least

25.1.04
26.1.04
27

HM

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STATEMENT WITH DETAIL.

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