



Educational (191/) Department.

ORDINARY MS.

G.O., No. 259

DATED 3-5-1911

45

Pres Please print this fo. & the notes
connected with it along with the fo. No 7038
6-10-11 and show proof -
SAH
14-10-11

[Despatch Abstract.]

Dyeing Industry. Requesting the
Director of Public Instruction to submit
the report of the dyeing expert on
Mr Brand's book on indigenous dyes
as soon as Dr Marsden has completed
his preliminary investigation regarding
the methods of dyeing in this country.

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.

Enclosures

Regd.

1911.

Spare copies

G.O., No. 703, 6th October 1911.

Books and publications.

Stating that no useful purpose will be served by publishing Mr. Brand's "Notes on Indigenous Dyes," as the information contained therein is already embodied in Mr. Harris's Monograph on the carpet-weaving industry in Southern India issued in 1908.

GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following papers :—

I

Proceedings of the Board of Revenue (R.S., Sur., L.R. and Agri.),
Mis. No. 5489, dated 15th November 1907.

The Hon'ble Mr. J. N. ATKINSON.

In connection with the monograph on carpet-weaving, the preparation of which was, under G.O. No. 1062, Revenue, dated 31st October 1905, entrusted to Mr. Thurston and which has not yet been issued from the press, Mr. G. E. Brand, Acting Superintendent of the School of Arts, suggested to the Commissioner of Revenue Settlement that a card of coloured wools used in manufacturing carpets together with notes as to the methods of their preparation might, with advantage, be attached as an appendix to the monograph. Mr. Brand was asked to prepare a sample card of wools, but it was found to be too bulky to be bound up with the monograph and was therefore made into a separate book.

2. This book the Board begs now to submit to Government. It contains eighty samples of wools prepared at the School of Arts dyed with purely vegetable dyes and of as many different colours or shades together with complete instructions as to the composition of the dyes. The compilation is, the Board believes, unique, no information of the sort or at any rate to the like extent having hitherto been collected in regard to Indian vegetable dyes and mordants. Its value to all those dyers and printers of woollen or cotton materials who prefer fast vegetable dyes will be very great, and the Board considers that copies of the compilation should therefore be widely distributed among those employed or interested in these and connected industries. The Board begs to add that, in the opinion of Mr. Brand, the present compilation does not exhaust the subject by a very long way, and that, if indigo dyeing is started on the premises, a much improved edition could be issued two or three years hence.

3. The book now submitted to Government is the only one that has been prepared; the Board would recommend that 350 similar books complete in all respects be issued and distributed in accordance with the subjoined list. An extra 650 copies of the letterpress might be printed ready to be bound up with samples of wools into complete volumes, should the first 350 copies fail to satisfy the demand.

4. The estimated cost amounts to Rs. 1,225 for 350 copies bound in morocco like the sample submitted herewith or Rs. 481½ if calico binding is substituted for morocco.

(True Extract.)

L. D. SWAMIKANNU,
Secretary.

To the Secretary to Government, Revenue department, with a sample book.

ENCLOSURE.

Distribution list of copies of Mr. Brand's Shade card for Carpet dyes.

Name of officer or office, person or firm.	Number of copies.
India Office	10
Government of India (Revenue and Agricultural Department)	10
(Imperial Library)	5
Government Secretariat Library, Madras	5
All Collectors at 1 copy each	24
Secretary to the Commissioners of Land Revenue	2
Secretary to the Commissioner of Salt, Abkari and Separate Revenue.	2
Resident in Travancore and Cochin	1
The Officer in charge of School of Arts, Madras	5
Reporter on Economic Products	10
Government of Bombay	25
" Bengal	10
" Eastern Bengal and Assam	10
" United Provinces of Agra and Oudh	25
" Burma	10
" the Punjab	20
Administration of the Central Provinces	10
" Ajmere	5
" Coorg	2
Resident in Hyderabad	10
" Mysore	10
Superintendent, Central Museum, Madras	2
Inspector-General of Agriculture, Pusa	2
Secretary, South Indian Association, Mylapore	1
Superintendent, Government Press, for sale	50
Chamber of Commerce, Madras	3
The Trades Association, Madras	3
Inspector-General of Prisons, Ootacamund	10
Reformatory, Chingleput	1
Woollen Mills, Cawnpore	1
Messrs. Wilson & Company, Madras	1
Oriental Carpet Manufacturing Company, Ellore	1
Director of Industrial and Technical Inquiries, Madras	10
M.R.Ry. Tiagaraya Chettiyar, Tondayarpur, Madras	1
" Srinivasa Pillai, Tanjore	1
" K. Devasigamony Bhagavatar, Madura	1
Messrs. Binny & Company, Madras	1
Anjuman-i Mufid-i-Ahli Islam, Madras	1
Inspector-General of Forests, Calcutta	1
Forest Department, Madras	6
"Indian Textile Journal", Bombay	1
"Indian Trade Review"	1
"Madras Mail"	1
"Pioneer"	1
"Times of India"	1
"Civil and Military Gazette"	1
"Capital"	1
Messrs. Liberty & Company, Regent Street, London	1
" Maples & Company	1
" Waring & Company	1
Mr. G. E. Brand, Acting Superintendent, School of Arts (the Author).	6
Ali Ahmad, Carpet Maistry, School of Arts	1
Laksmayya, Dyer, School of Arts	1
Narayanawami, Designer, School of Arts	1
Reserve	23

Total .. 350

II

Memorandum No. 6885-1, Judicial, dated 12th December 1907.

A copy of a compilation on indigenous dyes on woollen yarn prepared by Mr. G. E. Brand, recently Acting Superintendent of the Madras School of Arts, together with samples of dyed wool, is forwarded to the Inspector-General of Prisons, with the request that Mr. E. H. Gadsden may be consulted, both as to the letterpress and as to the samples. The points on which advice is desired are—

(1) Whether the recipes for dyeing, coupled with the description of dyes and dyeing methods (in the letterpress), are sufficiently valuable to make it worth while to print a large edition. His attention will, in this connection, be drawn to Mr. Edwin Holder's monograph on dyes and dyeing (Madras Government Press, 1896); and

(2) Whether the samples are of sufficiently good colour to make it worth while to have a large number of similar sample cards prepared, the cost being taken at Rs. 1-8-0 per copy in calico binding and Rs. 3-8-0 per copy in morocco.

C. A. SOUTER,
Under Secretary to Government.

To the Inspector-General of Prisons.

III

Letter—from Lieut.-Col. R. J. MACNAMARA, M.D., I.M.S., Inspector-General of Prisons.

To—the Chief Secretary to Government.

Dated—Ootacamund, the 19th April 1908.

No.—2033.

With reference to Government Memorandum No. 6885-1, dated 12th December

- 1907, I have the honour to return the compilation on indigenous dyes on woollen yarn prepared by Mr. Brand, and to enclose in original two letters (as per margin) from Messrs. Gadsden and Young offering remarks and suggestions with regard to the letterpress and samples.
- (1) From the Superintendent, Central Jail, Coimbatore, No. M. 1715, dated 5th April 1908.
 - (2) From the Superintendent, Central Jail, Vellore, No. M. 860, dated 9th April 1908.

ENCLOSURES.

(i)

Letter—from E. H. GADSDEN, Esq., Superintendent, Central Jail, Coimbatore.

To—the Inspector-General of Prisons, Ootacamund (through the Superintendent, Central Jail, Vellore).

Dated—Coimbatore, the 5th April 1908.

No.—M. 1715.

With reference to Government Memorandum No. 6885-1, dated 12th December 1907, bearing your endorsement No. 7287, dated 23rd December 1907, I have the honour to report as follows: The papers were received by me just at the commencement of the year when I was busy with the annual returns so that I could not just then take up the subject. I then went to act as Inspector-General for six weeks and, being on tour the whole time, I sent the book of samples to Mr. Young at Vellore and asked him to go into the matter and give me his opinion when I visited the Vellore Jail. Since my return to Coimbatore, I have tried to take up this subject with, I fear, but little success. Very little wool-dyeing is done in this jail, and what is done is dyed with chemical and not vegetable dyes. All the dyes used in our dye shop are chemical dyes whether used for wool or cotton. In order to say whether the dyeing recipes are of any value and whether the dyes are fast to the action of light and washing, it would be necessary for me to dye at least ten lb. of each colour in order that a fair test might be made. This I have not done as no opinion could be expressed until the dyed wool had been exposed to the action of light in a room for two or three months. Personally I am of opinion that it would be worth while that the subject of indigenous dyes should be thoroughly gone into and there could be no better place for doing this than the Vellore Jail, where a large quantity of wool is dyed daily for carpet work and where, I understand from Mr. Young, some difficulty exists in getting the wool dyed in even shades. The advantage of any experiment of this kind being carried on at Vellore Jail is that there would be no waste of the material dyed and the experiments under Mr. Young's supervision could be carefully and properly carried out. I think it would be well

worth while for the Superintendent of the School of Arts to detail one of his men who professes to understand dyeing with indigenous dyes to work at the Vellore Jail under Mr. Young's supervision.

As an example of the desirability of further intelligent investigation into the recipes, I would invite attention to the subject of so-called mordants which in some instances appear to be used in a manner quite contrary to the scientific principles of dyeing. Tamarind is said to be used as a mordant with lac in dyeing red and in accordance with instructions on page 10 should be put in and boiled up with the dye stuff. It is doubtful whether tamarind is a mordant at all and it is used probably as an exhausting agent instead of vinegar or acetic acid. If this is the case, it should only be used at the conclusion of the process, and in small quantities at a time, to ensure complete exhaustion of the bath, and thereby evenness of dyeing. The letterpress could not be printed in its present state, much of it will be required to be re-written entirely, and it is probable that some of the recipes may require modification. If the recipes are tested and corrected where necessary and the letterpress revised I think it would be quite worth while to print a small edition of the work, say 100 copies, bound in calico; the cost would not be much and the work would certainly be of use in many jails and other institutions in India.

The report is forwarded through Mr. Young as directed in your endorsement.

(ii)

Letter—from J. E. YOUNG, Esq., Superintendent, Central Jail, Vellore.

To—the Inspector-General of Prisons, Ootacamund.

Dated—the 9th April 1908.

No.—M. 860.

In forwarding herewith in original letter No. M. 1715, dated 5th instant, from the Superintendent, Central Jail, Coimbatore, I have the honour to state that I agree with Mr. Gadsden entirely as to the advisability of the Superintendent of the School of Arts sending one of his dyers to work here, as this would serve two useful purposes which are as follows:—

(1) As we use about 300 lb. of dyed wool daily, the dyer would have considerable scope for the exercise of his craft and we could use up the wool dyed by him.

(2) Bad dyeing has long been the great fault of the carpet industry of this jail, and it would be very useful indeed to have a competent dyer working here and instructing the convicts at the same time. I shall of course give any assistance I can in the way of supervising the experiments as far as I can.

2. There is one question which occurs to me about this shade card. There are 80 shades represented, whereas we only profess to use about a dozen different colours in our carpets, but owing to faulty dyeing we often get accidental variations of shades of the same colour. In the School of Arts shade card, I see several different shades of the same colour, and the question arises in my mind, are these various shades more or less accidental, or can each of these be reproduced by the School of Arts dyers with certainty and exactitude? If the latter, then I should say that they have made a great advance on anything that I have seen yet in the way of dyeing with indigenous dyes, and I should say a very useful advance too. The point I wish to bring out is, that I dare say I could pick out of my wool stores a number of various shades which would look pretty enough on a wool card, but those shades have been produced by accident and error, and no one of them would be reproduced by my dyers with any degree of certainty. For instance, if I told my dyers to dye me No. 5, it would be a toss up whether it resulted in No. 5 or No. 4, and they could not be certain of giving me either of the shades again exactly. If the School of Arts can reproduce all these shades with certainty and exactitude, their methods of dyeing should certainly be made public and this would be very useful.

IV

Official Memorandum No. 1822-A/08-1, Revenue, dated 25th May 1908.

With reference to the suggestion made in Board's Proceedings, Mis. No. 5489, dated 15th November 1907, to print and distribute copies of the book prepared by Mr. Brand on indigenous vegetable dyes, the Government consider that it should be first ascertained by actual experiments whether the colours are fast and whether they can be reproduced by other dyers from the recipes given by Mr. Brand. The Board of Revenue is accordingly requested to state whether it can arrange with Mr. Chatterton and the Superintendent, Central Jail, Vellore, to have the above points properly investigated.

(By Order.)

F. NOYCE,
Under Secretary to Government.

To the Board of Revenue (Revenue Settlement),
with Mr. Brand's book.

V

Proceedings of the Board of Revenue (R.S., Sur., L.R. and Agri.),
Mis. No. 4960, dated 24th November 1908.

The Hon'ble Mr. J. TWIGG.

Read—the following papers :—

(i)

Memorandum—from Government, Revenue Department.
Dated—the 25th May 1908.
No.—1822-A/08-1.

(ii)

Reference—from the Board of Revenue (Revenue Settlement).
Dated—the 5th June 1908.
No.—1442.

The Director of Industrial and Technical Inquiries and the Superintendent, Central Jail, Vellore, are requested to be so good as to report, at a very early date, whether they can undertake the investigation suggested by Government in their memorandum read above.

2. Mr. Chatterton is requested to obtain and forward direct to the Superintendent, Central Jail, Vellore, samples of the dyed wool prepared by Mr. Brand together with a copy of his notes.

(iii)

Letter—from A. CHATTERTON, Esq., Director of Industrial and Technical Inquiries, Madras.
To—the Secretary to the Commissioner of Revenue Settlement, Survey, Land Records and Agriculture.
Dated—the 9th June 1908.
No.—439 B. & G.

In reply to Reference No. 1442, dated 5th June 1908, I have the honour to state that the samples of dyed wool were prepared by Mr. Brand whilst Superintendent of the School of Arts and whilst that institution was still under me as Inspector of Technical schools. I have now nothing whatever to do with the School of Arts and I have no facilities for carrying out the investigations suggested by Government which can be very easily undertaken by the Superintendent of the School of Arts. In reference, however, to the question asked by Government, I would desire to point out that there is no necessity to make any experiments as I know from previous experience that the colours are fast and that they can easily be reproduced by other dyers from the recipes given by Mr. Brand. This is actual knowledge based upon experience in carpet-weaving and wool-dyeing gained in the School of Arts during the last seven or eight years.

(iv)

Reference—from the Board of Revenue (Revenue Settlement).
To—the Director of Industrial and Technical Inquiries.
Dated—the 17th June 1908.
No.—1562.

With reference to his letter read above, the Director of Industrial and Technical Inquiries is requested to report whether he has forwarded to the Superintendent, Central Jail, Vellore, samples of dyed wool and copy of Mr. Brand's notes as desired in paragraph 2 of Board's Reference No. 1442, dated 5th June 1908.

(v)

Letter—from A. CHATTERTON, Esq., Director of Industrial and Technical Inquiries, Madras.
To—the Secretary to the Commissioner of Revenue Settlement, Survey, Land Records and Agriculture.
Dated—the 26th June 1908.
No.—439-B. & G.

In reply to Reference No. 1562 of the 17th June 1908, I have the honour to state that I have not yet forwarded to the Superintendent of the Central Jail, Vellore, the samples of dyed wool and the copy of Mr. Brand's notes as desired in paragraph

2 of Board's Reference No. 1442, dated 5th June 1908. I have received a letter from the Superintendent of the Central Jail asking me to assist him in the matter, but I regret that at present I have no time to do so, and I would suggest that the reference be transferred to the Superintendent of the School of Arts who has facilities for carrying on the work which I do not possess.

(vi)

Reference—from the Board of Revenue, Revenue Settlement.
To—the Superintendent of the School of Arts.
Dated—the 2nd July 1908.
No.—1702.

With reference to Mr. Chatterton's letter read above, the Superintendent of the School of Arts is requested to be so good as to state whether he can undertake the investigation desired by Government. He is further requested to forward samples of the dyed wool prepared by Mr. Brand together with a copy of his notes direct to the Superintendent, Central Jail, Vellore, who has also been requested to undertake a similar investigation.

2. The Director of Industrial and Technical Inquiries is requested to hand over to the Superintendent, School of Arts, the copy of Mr. Brand's book sent to him with Board's Reference No. 1442, dated 5th June 1908.

(vii)

Letter—from W. S. HADAWAY, Esq., Superintendent, School of Arts, Madras.
To—the Secretary to the Commissioner of Revenue Settlement, Survey, Land Records and Agriculture.
Dated—the 15th July 1908.
No.—952.

In accordance with instructions received in Reference No. 1702, dated 2nd July 1908, I have forwarded the samples of coloured wool to the Superintendent, Central Jail, Vellore, together with a copy of Mr. Brand's notes.

If the experiments ordered were made in the School of Arts, they would be merely a repetition of what has already been done here. All the samples collected and arranged by Mr. Brand were produced by the school dyer who is still occupying that post. I have continually to instruct him to prepare similar colours and find that he can invariably match any shade or colour given him. There seems, therefore, no reason for him to again repeat what he is continually doing as a part of his everyday work; for, the arrangement of another set of colours on a small scale as a proof that these samples could be repeated would mean a waste of time and material to no purpose.

The man who is working here as a dyer—M. Lakshmayya—is not a dyer by caste but one who has picked up his knowledge himself, and as he has naturally a good eye for colour and considerable initiative, the variety of shades he has produced is the result.

The value of additional experiments to test the recipes collected by Mr. Brand would be worthless unless perused by a person entirely independent of the original dyer. So far as I am able to ascertain by a comparison of Mr. Brand's notes with those collected by a former Superintendent (Mr. Holder), there is nothing new in them, except perhaps in the combination of two dyes to make a third colour or shade. This is a matter which depends for its success almost wholly on the colour perception of the dyer himself, and while one man might be able to get a given colour without fail in every instance, another would perhaps never be able to attain the same result.

The memorandum from Government, Revenue Department, No. 1822-A/08-1, dated 25th May 1908, states that "it should first be ascertained by actual experiments whether the colours are fast and whether they can be reproduced by other dyers." If I had another dyer than the one who made the original experiments at

my disposal, it would be of use to confirm Mr. Brand's notes with him, but under the circumstances above stated, I do not see how there would be value in repeating the work already done.

(viii)

Endorsement—from the Director of Public Instruction, Madras.
Dated—the 21st July 1908.
No.—N. Dis. 4685.

Forwarded.

(ix)

Memorandum—from Government, Revenue Department.
Dated—the 18th September 1908.

(x)

Letter—from J. E. YOUNG, Esq., Superintendent, Central Jail, Vellore.
To—the Secretary to the Commissioner of Revenue Settlement, Survey, Land Records and Agriculture.
Dated—the 6th October 1908.
No.—4002.

With reference to your No. 2520, dated 23rd September 1908, I have the honour to state that I regret my inability to undertake any experiments at present. I did as a matter of fact begin to do so, but had to stop it owing to the fact that my dyeing establishment is not at present able to keep pace with my carpet weavers, so I had to relinquish the experiments for the present. I am now expanding my dyeing plant and establishment, and when I have done so and can keep pace with the requirements of the carpet industry and a bit over, I shall be glad to conduct such experiments as I can. The subject is rather important, and experiments should be exhaustive and thorough, particularly with a view to proving the fast nature or otherwise of the dyes, which is very important, and it is a subject on which I have considerable doubt myself. I would suggest further that it would be advisable to join with these experiments some experiments to prove the comparative fastness of aniline and vegetable dyes. Customers for jail carpets usually pin their faith to vegetable dyes as being faster than aniline, but I think that this is a doubtful point and one which it would be useful to settle.

Resolution—*Mis. No. 4960, dated 24th November 1911.*

The Board begs to submit the following reply to the memorandum from Government, No. 1822-1-A/08, dated 25th May 1908.

2. In accordance with the instructions in the concluding sentence of the memorandum, the Board requested Mr. Chatterton as well as the Superintendent, Central Jail, Vellore, to report whether they could carry out the experiments suggested by Government. The former officer has replied that he has no facilities for conducting the tests in his own office and that, in his opinion, there is no need for any further experiments as he knows, from his experience of carpet-weaving and wool-dyeing in the School of Arts during the last seven or eight years, that the colours are fast and can be easily reproduced by other dyers from the recipes prescribed by Mr. Brand. The Superintendent, School of Arts, who, on Mr. Chatterton's suggestion, was requested to undertake the experiments, states that all the samples collected and arranged by Mr. Brand were produced by the school dyer who is still occupying the post, that if the further experiments ordered were made in the School of Arts they would be merely a repetition of what has already been done, and that to be useful the tests should be conducted by a person entirely independent of the original dyer. He adds that, so far as he is able to ascertain by a comparison of Mr. Brand's notes with those collected by a former Superintendent (Mr. Holder), there is nothing new in them, except perhaps in the combination of two dyes to make a third colour or shade (a matter which depends for its success almost wholly on the colour perception of the dyer himself). The Superintendent, Central Jail, Vellore, reports that

he began the experiments but was unable to continue them because his dyeing establishment was not able to keep pace with his carpet-weavers, that he is now expanding his dyeing plant and establishment and that, when he has done so and can keep pace with the requirements of the carpet industry, he will be glad to conduct such experiments as he can. He considers that, in view of the importance of the subject, the experiments made should be exhaustive and thorough, particularly with a view to proving the fast nature or otherwise of the dyes, and that it would be advisable to join with these experiments some experiments to prove the comparative fastness of aniline and vegetable dyes.

3. It has thus not been possible as yet to carry out the tests ordered by Government. Unless the Government is prepared to accept Mr. Chatterton's assurance, based upon actual experience, that the colours are fast and can easily be reproduced by other dyers, the Board would suggest that the Inspector-General of Prisons should be desired to make arrangements for carrying through the experiment at as early a date as possible

(True Extract.)

L. D. SWAMIKANNU,
Secretary.

To the Secretary to Government, Revenue Department,
with Mr. Brand's notes returned.

VI

Memorandum No. 125-2, Educational, dated 4th April 1911.

The book on indigenous dyes prepared by Mr. G. E. Brand will be forwarded to the Dyeing Expert, who is requested to ascertain by actual experiments, if necessary, and report whether the colours are fast and whether they can be reproduced by other dyers from the recipes given by Mr. Brand and whether in his opinion the book is a suitable one to be printed for distribution.

G. F. PADDISON,
Dy. Secretary to Govt.

To the Director of Public Instruction, with book.

VII

Letter—from the Hon'ble Mr. J. H. STONE, M.A., F.R.H.S., Acting Director of Public Instruction, Madras.
To—the Secretary to Government, Educational Department.
Dated—the 26th April 1911.
No.—Ref. on Cur. 2285.

With reference to Government Memorandum No. 125-2, dated 4th April 1911, I have the honour to state that the Superintendent of Industrial Education informs me that he has forwarded the book on indigenous dyes prepared by Mr. G. E. Brand to the Dyeing Expert but that it will not be practicable for him to submit the report called for till he is provided with a laboratory and that moreover he will not be in a position to express an opinion as to whether the book is a suitable one for publication till he has completed his preliminary investigations and has gained some experience regarding the methods of dyeing in this country.

VIII

Order—No. 259, Educational, dated 3rd May 1911.

Recorded.

2. The Director of Public Instruction is requested to see that the report of the Dyeing Expert on Mr. Brand's book on indigenous dyes is submitted to Government as soon as Dr. Marsden is in a position to pronounce a considered opinion on the points in issue.

(True Extract.)

L. DAVIDSON,
Ag. Secretary to Government.

To the Director of Public Instruction.

IX

Letter—from the Hon'ble Mr. J. H. STONE, M.A., F.R.H.S., Acting Director of Public Instruction.

To—the Secretary to Government, Educational Department.

Dated—the 18th September 1911.

No.—Ref. on Cur. 2285.

With reference to paragraph 2 of G.O. No. 259, Educational, dated 3rd May 1911, I have the honour to state that Dr. Marsden reports that he has read with interest Mr. Brand's "Notes on Indigenous Dyes" and their application to carpet yarns and says that the information contained in those notes is embodied in Mr. H. T. Harris's Monograph on the carpet-weaving industry in Southern India, issued in 1908 and that in his opinion no useful purpose would be served by now publishing them.

2. The book is herewith returned.

The Superintendent, School of Arts, desires to have it back for frequent reference.

Order—No. 703, Educational, dated 6th October 1911.

The Government do not consider that any useful purpose will be served by publishing Mr. Brand's "Notes on Indigenous Dyes," as the information contained therein is already embodied in Mr. Harris's Monograph on the carpet-weaving industry in Southern India issued in 1908.

(True Extract.)

L. DAVIDSON,
Ag. Secretary to Government.

To the Board of Revenue (Revenue Settlement).
" Director of Public Instruction (with book returned).
" Revenue Department.

EDUCATIONAL DEPARTMENT.

NOTES CONNECTED WITH G.O. No. 703, EDUCATIONAL, DATED
6TH OCTOBER 1911.

[SUBJECT.—*Mr. Brand's Notes on Indigenous Dyes.*]

I

NOTES CONNECTED WITH G.O. MIS. No. 259, EDUCATIONAL,
DATED 3RD MAY 1911.

[SUBJECT.—*Shade card for carpet dyes.*]

REVENUE DEPARTMENT.

From the Board of Revenue (Revenue Settlement), No. 5489,
dated 15th November 1907.

Orders are requested as to whether the Board's proposal to prepare 350 copies of the book and to distribute it, as well as to print 650 extra copies of the letter-press to meet future demand, will be approved and if so, whether the binding should be in morocco or in calico. The cost of the 350 copies if bound in morocco is estimated at Rs. 1,225 (Rs. 3-8-0 a copy) and if bound in calico at Rs. 481½ (i.e. Rs. 1-6-0 a copy). As the Board has not indicated the source from which the cost may be met, the Financial Department will have to be asked to provide the required amount.

2. It seems to be a matter for consideration whether a price may not be fixed for the book if any demand arises for it from the public after the distribution of the first 350 copies.

E.S.J.—20-11-07.

The Board's proposals may be accepted.

D. T. CHADWICK—21-11-07.

The Board believes that Mr. Brand's compilation is unique, but as a matter of fact the letter-press is to a great extent borrowed from a "Monograph on dyes and dyeing in the Madras Presidency" prepared by Mr. Holder in 1896. The plagiarism is proved by comparison of sentences, e.g.—

Turmeric—"is an essential ingredient in curry" (Mr. Brand) "which is an essential ingredient in curry" (Mr. Holder).

Sappanwood—"The dye is obtained from the wood itself which is sold in chips convenient for use" (Mr. Brand). "The colour is obtained from the wood itself which is sold in chips convenient for use" (Holder).

The borrowing does not matter, but of the two productions, Mr. Holder's seems rather the fuller.

2. The samples of dyed wool which accompany Mr. Brand's book are, I think, very inferior. There is neither a good red nor a good blue in the case, and the indigo is so little fast that it will rub off freely on the fingers. I feel sure that much better samples of dyed wool would be turned out by native dyers as well as by more than one central jail.

3. It is, I submit, unnecessary to spend Rs. 1,225 in producing 350 copies of this production. If expert advice is desired, we might send the book to Mr. Gadsden for opinion. He has had considerable experience, and at one time there was a European dyeing-master employed in the Coimbatore Jail.

A. G. CARDEW—5-11-07.

Mr. Atkinson showed this card and letter-press some time ago before he sent it on to Government and thought it a very commendable piece of work. He dwelt most on the form of the brochure and that it would enable any one wanting a wool dyed in indicated colour to obtain it at once by merely quoting the number.

I think it would be well to get expert advice, on the matter as I am quite unable to judge of the merit of the idea or of the way in which it has been carried out.

G. S[TOKES]—6-12-07.

The file may be forwarded to Judicial with the request that Mr. E. H. Gadsden may be consulted, both as to the letter-press and as to the samples. The points on which advice is desired are, I think—

(1) Whether the recipes for dyeing, coupled with the description of dyes and dyeing methods (in the letter-press) are sufficiently valuable to make it worth while to print a large edition. His attention may, in this connection, be drawn to Mr. Holder's work.

(2) Whether the samples are of sufficiently good colour to make it worth while to have a large number of similar sample cards prepared, the cost being taken at Rs. 1½ per copy in calico binding and Rs. 3½ per copy in morocco.

A. G. CARDEW—9-12-07.

To the Judicial Department.

JUDICIAL DEPARTMENT.

Draft reference to the Inspector-General of Prisons submitted.

S.D.—12-12-07.

Issue,

C. A. SOUTER—12-12-07.

[Reference to the Inspector-General of Prisons, No. 6885-1, dated 12th December 1907.]

From the Inspector-General of Prisons, dated 19th April 1908, No. 2033.

The Inspector-General's letter forwarding the remarks of Messrs. Gadsden and Young on the compilation may be forwarded to the Revenue Department, u.o., with reference to the notes above.

S.D.—23-4-08.

C. A. SOUTER—24-4-08.

To the Revenue Department.

REVENUE DEPARTMENT.

This Department desired to have the opinion of Mr. Gadsden (Superintendent, Central Jail, Coimbatore) before deciding on the publication of the book prepared by Mr. Brand (late Superintendent of the School of Arts) on dyes and dyeing, as recommended by the Board of Revenue. The Inspector-General of Prisons submits both the opinion of Mr. Gadsden and of Mr. Young, Superintendent, Central Jail, Vellore.

2. Mr. Gadsden states that he is not in a position to pronounce an opinion as to the value of the dyeing recipes and as to whether the dyes are fast without making actual experiments which he has not carried out. He states that it would be worth while investigating the subject of indigenous dyes, that there is no better place for doing this than the Vellore Jail where a large quantity of wool is dyed daily for carpet work and where some difficulty is experienced in getting the wool dyed in even shades, and suggests that the Superintendent of the School of Arts may advantageously detail one of his men who professes to understand dyeing with indigenous dyes to work at the Vellore Jail under Mr. Young's supervision. He is also of opinion that the letter-press of Mr. Brand's compilation could not be printed

in its present state as much of it will be required to be re-written and some of the recipes may require modification. If the recipes are tested and corrected where necessary and the letter-press revised, he thinks it would be quite worth while to print a small edition of the work, say 100 copies—bound in calico—as it would be of use in jails and other institutions. Mr. Young is of opinion that the recipes should be tested by actual experiments in the Vellore Jail to see if the same colours could be reproduced exactly by the recipes and agrees with Mr. Gadsden as to advisability of deputing one of the School of Arts dyers to work in the Vellore Jail. Submitted that the Educational Department may first be asked if this can be arranged. The question of publishing the compilation may be considered after the recipes are properly tested with the aid of a School of Arts' dyer at the Vellore Jail.

E.S.J.—2-5-08.

Mr. Young's suggestion that the recipes should be tested in the Vellore Jail and that a dyer should be sent from the School of Arts to carry out the experiments seems a good one and may, I submit, be accepted. The question of printing the book can then wait over until we receive a further report.

F. NOYCE—4-5-08.

The reports of the two Jail officers are non-committal in character. Both say that they want further proof that the School of Arts recipes really produce the results attributed to them. Mr. Gadsden seems to throw direct doubt on some of the directions in the notes. Knowing something of the extreme difficulty of dyeing, and remembering that Mr. Brand is not himself a dyer, I feel much uncertainty as to the expediency of publishing a large edition of a book vouched for only by a non-expert. Perhaps the Educational Department might be asked whether, if dyeing is still pursued at the School of Arts, it would like to send a dyer to the Vellore Jail. The Revenue Department is not concerned either with the School of Arts or with Jails, but the dyeing question is really an industrial one, and so appertains to this Department.

A. G. CARDEW—4-5-08.

Some short time ago I have raised the question of getting out a chemical assistant for dyeing to be placed under Mr. Chatterton. I have always understood the question of dyes to be a peculiarly difficult one and the opinion of the Jail experts is evidently not favourable to this book. I consider that for the present any further reproduction of the book must stand over till the recipes, etc., can be tested properly by an expert chemist and dyer.

The question of a School of Arts dyer being sent to Vellore is for Educational.

G. S[TOKES]—5-5-08.

The file should, I think, now go to Educational. As the Book on Dyes emanated from Mr. Brand when he was at the School of Arts, the file really seems to belong more to Educational than to Revenue, though the Board sent it up. Perhaps Educational would accept transfer and tell the Board what the Honourable Member in charge of Revenue has ordered? The question of sending the School of Arts' dyer to Vellore will then no doubt be settled between Educational and Judicial.

A. G. CARDEW—6-5-08.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

It does not appear that the Educational Department is concerned with the publication of the book, which is the point raised in the Board's Resolution. The question of sending a dyer of the School of Arts to work in the Vellore Jail for the purpose of testing by actual experiments the recipes in Mr. Brand's book is one for Educational and it is submitted that the Director of Public Instruction may be asked u.o. to state whether it will be possible to send a dyer from the School of Arts to Vellore as above proposed.

K. RANGASWAMI AYYANGAR—8-5-08.

C. A. SOUTER—9-5-08.

To the Director of Public Instruction.

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION.

There is only one dyer employed at the School of Arts and he cannot be spared. Moreover if the object is to ascertain whether the recipes as given by Mr. Brand will produce the results which he maintains they will, it is obviously desirable, that they should be tried by some one other than the man who made Mr. Brand's samples.

Mr. Hadaway assures me that this man can reproduce these samples. The real question is whether Mr. Brand has correctly and sufficiently described the method this man employs. Without overlooking any "trick of the trade" this can only be tested by telling another man to try and carry out Mr. Brand's instructions.

A. G. BOURNE—15-5-08.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

In the circumstances explained by Dr. Bourne in his note above, it does not appear to be feasible or desirable to send the only dyer employed at the School of Arts. The Revenue Department will apparently have to make other arrangements for testing by actual experiments the recipes contained in Mr. Brand's book. For orders whether the file may be returned to Revenue for such action as they may deem necessary in this direction and for the issue of orders with reference to the Hon'ble Mr. Stokes's note, dated 5th May 1908 on page 3 *supra*, or whether Educational may accept transfer of the file and issue orders to the Board in accordance with the Hon'ble Mr. Stokes's orders and then send the file to Revenue for further action in regard to the testing of the recipes.

K. RANGASWAMI AIYANGAR—16-5-08.

Honourable Member has not seen the case. It hardly seems necessary for Educational to take action. The matter is more for Revenue.

C. A. SOUTER—18-5-08.

In any case it seems clear that the proposal of the Board should be negatived. The next question is whether the School of Arts should be used to carry out further experiments. I think not. The question really has nothing to do with art. It is an industrial question, viz., can certain dyes be produced with certainty and are they fast dyes?

If these points are to be further investigated I should say Mr. Chatterton is the officer to make the investigation. He could no doubt use the Vellore Jail to help him (with the consent of the Inspector-General of Jails).

The matter seems therefore one for Revenue. The papers may be sent to Revenue.

M. H[AMMICK]—20-5-08.

To the Revenue Department.

C. A. SOUTER—21-5-08.

REVENUE DEPARTMENT.

Please draft reference to the Board saying that the Government do not consider it desirable to print or distribute Mr. Brand's book until it has been established that the colours are fast, and that they can be reproduced by other dyers from the recipes given, and asking whether the Board can arrange with Mr. Chatterton and the Superintendent, Central Jail, Vellore, to have these points investigated.

A. G. CARDEW—21-5-08.

As directed by Secretary above, a draft reference to the Board of Revenue is submitted below for approval.

E.S.J.—23-5-08.

Issue.

F. NOYCE—23-5-08.

[Official Memorandum No. 1822-A/08-1, dated 25th May 1908.]

From the Board of Revenue (Revenue Settlement), No. 4960, dated 24th November 1908.

Before deciding to print and distribute copies of Mr. Brand's book on indigenous vegetable dyes, as recommended by the Board in its Proceedings No. 5489, dated 15th November 1907, the Government desired that actual experiments should be made whether the colours mentioned by Mr. Brand were fast and whether they could be reproduced by other dyers from the recipes given by Mr. Brand.

The Board was accordingly asked in Official Memorandum No. 1822-A/08-1, dated 25th May 1908, to arrange with Mr. Chatterton and the Superintendent, Vellore Jail, to have the above points investigated. The Board now replies that it has not yet been possible to carry out the tests—Mr. Chatterton stating that he has no facilities for conducting the tests in his office and the Superintendent, Vellore Jail, being unable to undertake experiments in the matter at present owing to the dyeing establishment of the jail being fully occupied with the jail work. Mr. Chatterton, however, states that there is no need for any further experiments as he knows from his actual experience of carpet-weaving and wool-dyeing in the School of Arts during the last seven or eight years, that the colours are fast and can be easily reproduced by other dyers. The Board suggests that unless this statement is accepted by Government, the Inspector-General of Prisons may be desired to make arrangements for carrying through the experiments.

2. There is a proposal to employ a dyeing expert to report on the state of the industry and to make other investigations with regard to the industry as the outcome of the Industrial Conference held at Ootacamund in September last. If further investigations are to be made with Mr. Brand's recipes, they may perhaps be entrusted to him when he is employed. At any rate, Mr. Chatterton may, it is submitted, be asked whether on the strength of his statement that Mr. Brand's recipes require no further trial he would recommend the printing and distribution of the book as suggested by the Board. A draft reference is submitted below for approval.

E.S.J.—7-12-08.

No further reference to Mr. Chatterton appears necessary, I submit. He has expressed his opinion that the colours are fast and that they can easily be reproduced by other dyers from the recipes given by Mr. Brand. His reply therefore to a query whether he recommends the printing and distribution of the book will therefore be in the affirmative. If, however, a dyeing expert is to be engaged his opinion on the subject should, I submit, be taken before the book is printed. The file may therefore await orders on the linked file.

F. NOYCE—14-12-08.

L. M. WYNCH—21-12-08.

Orders have been passed directing that sanction should be obtained for the appointment of a dyeing expert. Orders may now, I submit, be passed on the point raised in my note above.

F. NOYCE—7-1-09.

As we have asked for an expert in dyeing, the question of publishing Mr. Brand's book of indigenous dyes on woollen yarn may, I think, very well lie over till the expert's arrival. It would cost Rs. 1,225 to print 350 copies of the book apparently (*vide* Mr. Cardew's note, page 2 *ante*).

L. M. WYNCH—8-1-09.

Yes. This book should not be printed. The papers can be given to the dyeing expert when he comes.

M. H[AMMICK]—15-1-09.

Await receipt of reply to the application of a dyeing expert.

L. M. WYNCH—16-1-09.

The Secretary of State has sanctioned * the appointment of a dyeing expert and has stated † that he will take steps to select and engage one on a suitable salary. Orders regarding the details connected with the employment of the dyeing expert are to issue in the Educational Department. Submitted that this file may now be transferred to that department for further action when the dyeing expert arrives.

S.R.G.—15-1-11.

V.P.—17-1-11.

F. NOYCE—18-1-11.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

The papers regarding the dyeing expert will be found in the file which has been separately submitted to-day.

K. RANGASWAMI AIYANGAR—21-1-11.

May lie over till the other file is disposed of.

C. A. INNES—23-1-11.

The dyeing expert has arrived. Mr. Brand's book on indigenous dyes may be forwarded to the dyeing expert and he may be requested to ascertain by actual experiments and report whether the colours are fast and whether they can be reproduced by other dyers from the recipes given by Mr. Brand.

2. The draft is for approval.

T.K.—3-4-11.

K. RANGASWAMI AIYANGAR—3-4-11.

Issue.

G. F. PADDISON—4-4-11.

[Memorandum No. 125-2, Educational, dated 4th April 1911.]

From the Director of Public Instruction, dated 26th April 1911, No. 2285.

Please see the Director of Public Instruction's letter No. 2285, dated 26th April 1911. The Director states that the dyeing expert will not be able to express an opinion on Mr. Brand's book till he has completed his preliminary investigations and has gained some experience regarding the methods of dyeing in this country and till he is provided with a laboratory.

2. The Director's letter may be recorded, with the remark that the dyeing expert's report should be submitted when he has completed his preliminary investigations regarding the methods of dyeing in this country. The draft is submitted for approval.

T.K.—1-5-11.

K. RANGASWAMI AIYANGAR—1-5-11.

M. S. MASCARENHAS—2-5-11.

Amended : issue.

L. DAVIDSON—3-5-11.

[G.O. Mis. No. 259, Educational, dated 3rd May 1911.]

II

NOTES CONNECTED WITH G.O. No. 703, EDUCATIONAL, DATED 6TH OCTOBER 1911.

From the Director of Public Instruction, dated 18th September 1911, No. 2235.

Please see G.O. No. 259, Educational, dated 3rd May 1911, and the notes therewith.

2. In November 1907 the Board of Revenue (Revenue Settlement) submitted to Government a book on indigenous dyes compiled by Mr. Brand, Acting Superintendent of the School of Arts, Madras, containing eighty samples of wools dyed with purely vegetable dyes with complete instruction as to the composition of the dyes. The Board observed that the book was a unique compilation as the information in regard to indigenous dyes and mordants which it contained had not up to that time been collected in such a form and recommended that it should be printed and distributed.

3. The Government considered that, before deciding to print the book, it should be first ascertained by actual experiments whether the colours were fast and whether they could be reproduced by other dyers from the recipes given by Mr. Brand and requested the Board to arrange for the investigation of these points with the Director of Industries and the Superintendent of the Central Jail, Vellore. These officers were unable to undertake the investigation. The question was then allowed to lie over pending the appointment of a dyeing expert and on the appointment of Dr. Marsden as dyeing expert the book was referred to him and he was requested to ascertain by actual experiments, if necessary, and report whether the colours were fast and whether they could be reproduced by other dyers from the recipes given. He was also requested to state whether the book was a suitable one to be printed for distribution.

4. Dr. Marsden now reports that the information contained in the book is embodied in Mr. H. T. Harris's monograph on the carpet-weaving industry in Southern India, issued in 1908 and that in his opinion no useful purpose would be served by now publishing this book.

5. A draft is submitted for approval. If approved, it may be sent to the Revenue Department for acceptance or remarks.

T.K.—2-10-11.

K. RANGASWAMI AIYANGAR—2-10-11.

L. DAVIDSON—3-10-11.

To the Revenue Department.

REVENUE DEPARTMENT.

A. G. CARDEW—4-10-11.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

[G.O. No. 703, Educational, dated 6th October 1911.]

CURRENT FILE.

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PAPERS PUT UP WITH REVENUE CURRENT No. _____

Papers of the Revenue department.

Number.	Date.	Original (=O.) or spare copy (=S. C.).	Remarks. (In this column such of the papers as have been removed for copying, printing, etc., should be marked with a cross.)

Papers of other departments.

Department.	Number.	Date.	Original (=O.) or spare copy (=S. C.).	Initials with date of Despatcher to denote the return of the papers to the Department concerned.

Stock Form No. 139-a
8,000-16-8-05.

REVENUE DEPARTMENT

CURRENT No.

REVENUE - A

3662

Received 18. XI.

1907, Registered 18. XI. 1907

Shade card for carpet dyes

Subject.

Submitting to Government a book containing eighty samples of dyed wools prepared at the School of Arts together with complete instructions as to the composition of the dyes and recommending that 350 copies of the book be issued and distributed to those interested in the industry.

ENCLOSURES.

No. 1

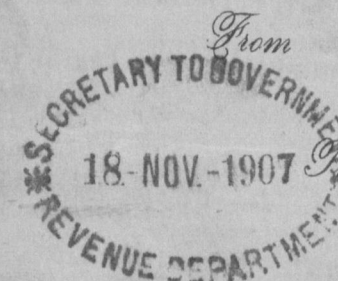
Spare copies

Misc. No. 5489

Station Madras

Dated the 15th November 1907

100



18-NOV-1907 The Board of Revenue, Revenue Settlement, &c.
Land Revenue
Separate Revenue.

The Hon. Mr. J. N. Atkinson,
Commr. of Rev. Sett., Survey, Land Records & Agriculture.

Resolution
Reference

Resolution

In connection with the monograph on carpet weaving the preparation of which was, under G.O.No.1062 Revenue, dated 31st October 1905, entrusted to Mr. Thurston and which has not yet been issued from the Press, Mr. G.E. Brand, Acting Superintendent of the School of Arts, suggested to the Commissioner of Revenue Settlement that a card of coloured wools used in manufacturing carpets together with notes as to the methods of their preparation might with advantage, be attached as an appendix to the Monograph. Mr. Brand was asked to prepare a sample card of wools, but it was found

to be too bulky to be bound up with the monograph and was therefore made into a separate book.

2. This book the Board begs now to submit to Government. It contains eighty samples of wools prepared at the School of Arts dyed with purely vegetable dyes and of as many different colours or shades together with complete instructions as to the composition of the dyes. The compilation is, the Board believes, unique, no information of the sort or at any rate to the like extent, having hitherto been collected in regard to Indian vegetable dyes and mordants. Its value to all those dyers and printers of woollen or cotton materials who prefer fast vegetable dyes will be very great, and the Board considers that copies of the compilation should therefore be widely distributed among those employed or interested in these and connected industries. The Board begs to add that, in the opinion of Mr. Brand, the present compilation does not exhaust the subject by a very long way, and that, if indigo dyeing is started on the premises, a much improved edition could be issued two or three years hence.

3. The book now submitted to Government is the only one that has been prepared; the Board would recommend that 350 similar books complete in all respects be issued and distributed in accordance with the subjoined list. An extra 650 copies of the letter press might be printed ready to be bound up with samples of wools into complete volumes, should the first 350 copies fail to satisfy the demand.

4. The estimated cost amounts to Rs.1,225 for 350 copies bound in morocco like the sample submitted herewith or Rs.481½, if calico binding is substituted for moracco.

/True Extract/

L. S. Swamikannu
Secretary.

To the Secretary to Government, Revenue Department, with a sample book.

P. S.
18.11.07

721
18.11.07

13

287

3

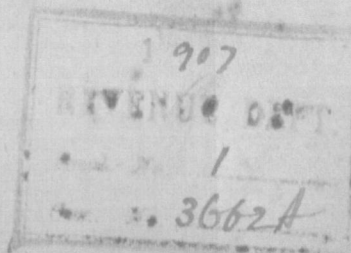
Distribution list of copies of Mr. Brand's Shade card
for Carpet dyes.

<u>Name of Officer or Office, Person or Firm</u>	<u>No. of copies</u>
India Office	10
Government of India (Revenue & Agricultural Department)	10
Do (Imperial Library)	5
Government Secretariat Library, Madras.	5
All Collectors at 1 copy each.	24
Secretary to the Commissioners of Land Revenue	2
Secretary to the Commissioner of Salt, Abkari & Separate Revenue.	2
Resident in Travancore and Cochin	1
The Officer in charge of School of Arts, Madras.	5
Reporter on Economic Products	10
Government of Bombay	25
Do Bengal	10
Do Eastern Bengal and Assam	10
Do United Provinces of Agra & Oudh	25
Do Burmah	10
Do the Punjab	20
Administration of the Central Provinces	10
Do Ajmere	5
Do Coorg	2
Resident in Hyderabad	10
Do in Mysore	10
Superintendent, Central Museum, Madras.	2
Inspector-General of Agriculture, Pusa.	2
Secretary, South Indian Association, Mylapore	1
Superintendent, Government Press, for sale	50
Chamber of Commerce, Madras.	3
The Trades Association, Madras.	3
Inspector-General of prisons, Ootacamund	10

Name of Officer or Office, Person or Firm.	No. of copies
Reformatory, Chingleput	1
Woollen Mills, Cawnpore	1
Messrs. Wilson & Company, Madras	1
Oriental Carpet Manufacturing Company, Ellore.	1
Director of Industrial and Technical Inquiries, Madras	10
M.R.Ry. Thiagaraya Chettiar, Tondayarpur, Madras	1
M.R.Ry. Srinivasa Pillai, Tanjore.	1
M.R.Ry. K. Devasigamoney, Bhagavathar, Madras.	1
Messrs. Binny & Company, Madras	1
Anjuman-i-Mufid-i-Ahlai Islam, Madras	1
Inspector-General of Forests, Calcutta	1
Forest Department, Madras.	6
"Indian Textile Journal", Bombay	1
"Indian Trade Review"	1
"Madras Mail"	1
"Pioneer"	1
"Times of India"	1
"Civil and Military Gazette"	1
"Capital"	1
Messrs. Liberty & Company, Regent Street, London	1
Messrs. Maples and Company "	1
Messrs. Waring and Company "	1
Mr. G.E. Brand, Ag. Superintendent, School of Arts (the Author)	6
Ali Ahmad, Carpet Maistry, School of Arts.	1
Laksmayya Dyer do do	1
Narayanaswami, Designer, do	1
Reserve	23

Total 350

L. Swamikannu
18.11.07
Secretary.



Shade card for Carpet dyes.

PAGE 5
G.F.

14
just depth
3P

[CN 6885] From the Rev. Deptt., U.O. No 3662 A-1
d. 10th December 1907

R
13.12

Ref. No 6885-1/12th Dec 07

A copy of a compilation on indigenous dyes on woollen yarn prepared by Mr. G. E. Brand, Ag. Supdt. of the Madras School of Arts, together with the samples of dyed wool, is forwarded to the J.G. of Prisons, with the request that Mr. E. H. Gadsden may be consulted, both as to the letterpress and as to the samples. The points on which advice is desired are -

(1) whether the recipes for dyeing, coupled with the description of dyes and dyeing methods (in the letterpress) are sufficiently

154P

sufficiently valuable to make it worth while to print a large edition. His attention ^{will} ~~be~~ ^{drawn} in this connection, be drawn to Mr. Edwin Holder's monograph on dyes and dyeing (Madras Govt. Press, 1896); and (2) whether the samples are of sufficiently good colour to make it worth while to have a large number of similar sample cards prepared, the cost being taken at Re. 1½ per copy in calico binding and Rs. 3½ per copy in morocco.

S.D.
12.12.1907

Alld
12.12.1

DESPATCHED
13 DEC 1907

Ans/p/07
15/12/07

To The I. G. of Prisons (Memorandum)
with a book to be ref-
with the reply

JUDICIAL DEPARTMENT.



CURRENT NO.
2577
JUDICIAL

Received 22 APR 1908, Registered 22.4.1908

Subject.

Returning the Compilation on indigenous dyes on Woollen Yarn together with remarks and suggestions of Messrs. Gadsden and Young.

ENCLOSURES.

No. 3. (Three)

Spare copies

No. 2035

5P

Station Ootacamund, Dated the 19th April 1908.

From (Name) Lieut. Col. R. J. Macnamara, M.D. I.M.S.,

(Designation) Inspector-General of Prisons.

To The Chief Secretary to the Government of Madras.

Sir,

With reference to Government Memorandum No. 6885-1 dated 12th December 1907, I have the honour to return the Compilation on indigenous dyes on Woollen Yarn prepared by Mr. Brand, and to enclose in original two letters (as per margin) from Messrs. Gadsden and

- (1) From the Superintendent, Central Jail, Coimbatore, No. M.1715 dated 5th April 1908.
- (2) From the Superintendent, - Central Jail, Vellore, No. M./860 dated 9th April 1908.

Young offering remarks and suggestions with regard to the letter press and samples.

I have the honour to be,

Sir,

Your most obedient servant,

Receivable

Lt. Col. I.M.S.,

Inspector-General of Prisons.

22 APR 1908

No. *M. 17/15*

PAGE 8

CENTRAL JAIL,
Coimbatore, 5th April.....1908.

17
Enclosure No. 2
Letter No. 2088 dated 21.4.08.

FROM

E. H. GADSDEN, ESQUIRE,
SUPERINTENDENT, CENTRAL JAIL,
COIMBATORE.

TO

THE INSPECTOR GENERAL OF PRISONS,

Ootacamund.

SIR,

Thro' The Superintendent, Central Jail, Vellore.

ENCLO.

H-5-6
With reference to Government Memorandum No. 6885-1, D/
12th December 1907 bearing your endorsement No. 7287 dated
23rd December 1907, I have the honour to report as follows:-
The papers were received by me just at the commencement of
the year when I was busy with the Annual Returns so that I
could not just then take up the subject. I then went to act
as Inspector General for 6 weeks and being on tour the whole
time, I sent the Book of samples to Mr. Young at Vellore and
asked him to go into the matter and give me his opinion
when I visited the Vellore Jail. Since my return to Coim-
batore I have tried to take up this subject with I fear but
little success. Very little wool dyeing is done in this
jail and what is done is dyed with chemical and not vege-
table dyes. All the dyes used in our dye shop are chemical
dyes whether used for wool or cotton. In order ~~therefore~~
to say whether the dyeing recipes are of any value and whe-
ther the dyes are fast to the action of light and washing
it would be necessary for me to dye at least 10 lbs of each
colour in order that a fair test might be made. This I have
not done as no opinion ^could be expressed until the dyed
wool had been exposed to the action of light in a room for

two or three months. Personally, I am of opinion that it would be worth while that the subject of indigenous dyes should be thoroughly gone into and there could be no better place for doing this than the Vellore Jail, where a large quantity of wool is dyed daily for carpet work and where I understand from Mr. Young, some difficulty exists in getting the wool dyed in even shades. The advantage of any experiment of this kind being carried on at Vellore Jail is that there would be no waste of the material dyed and the experiments under Mr. Young's supervision could be carefully and properly carried out. I think it would be well worth while for the Superintendent of the School of Arts to detail one of his men who professes to understand dyeing with indigenous dyes to work at the Vellore Jail under Mr. Young's supervision.

As an example of the desirability of further intelligent investigation into the recipes I would invite attention to the subject of so called mordants which in some instances appear to be used in a manner quite ~~quite~~ contrary to the scientific principles of dyeing. Tamarind is said to be used as a mordant with lac in dyeing red and in accordance with instructions on page 10 should be put in and boiled up with the dyestuff. It is doubtful whether tamarind is a mordant at all and it is used probably as an exhausting agent instead of vinegar or acetic acid. If this is the case it should only be used at the conclusion of the process, and in small quantities at a time, to ensure complete exhaustion of the bath and thereby evenness of dyeing. The letter press could not be printed in its present state/much of it will be required to be re-written entirely, and it is probable that some of the recipes may require modification. If the recipes are tested and corrected where necessary and the letter press revised, I think it would be quite worth while to print a small edition of the work say 100 copies - bound in calico, the cost would not be much and the work would certainly be of use in many jails and other institutions in India.

The report is forwarded through Mr Young as directed in your

endorsement.

I have the honour to be,

Sir,

Your most obedient servant,

Superintendent.

M.N.R.

FROM

The Superintendent, Central Jail,
Coimbatore.

TO

The Inspector General
of Prisons.

Mrs.
The Superintendent
C. J. Vellore

Dated 6

Received

April 08

No. M. 1715

ENCLO:

SUBJECT.

Submitting report on
dyeing wool.

No. M. 1715

FROM

J. E. YOUNG Esquire,

Superintendent Central Jail,

VELLORE.

TO

THE INSPECTOR-GENERAL OF PRISONS,

OOTACAMUND.

Sir,

In forwarding herewith in original letter No. M. 1715 of 5th inst. from the Superintendent Central Jail Coimbatore, I have the honor to state that I agree with Mr. Gadsden entirely as to the advisability of the Superintendent of the School of Arts sending one of his Dyers to work here, as this would serve two useful purposes which are as follows:-

1. As we use about 300 lbs of dyed wool daily the dyer would have considerable scope for the exercise of his craft and we could use up the wool dyed by him.

2. Bad dyeing has long been the great fault of the carpet industry of this Jail and it would be very useful indeed, to have a competent dyer working here and instructing the convicts at the same time. I shall of course give any assistance I can in the way of supervising the experiments as far as I can.

2. There is one question which occurs to me about this Shade Card. There are 80 shades represented, whereas we only profess to use about a dozen different colours in our carpets, but owing to faulty dyeing we often get accidental variations of shades of the same colour. In the School of Arts Shade Card I see several different shades of the same colour and the question arises in my mind, are these various shades more or less accidental, or can each of these be reproduced by the School of Arts dyers with certainty and exactitude? If the latter, then I should say that they have made

4642

JUDICIAL.

JAIL (1908.) DEPARTMENT.

FROM

THE SUPERINTENDENT,

Central Jail,

VELLORE.

TO

THE INSPECTOR-GENERAL,

OF PRISONS,

OUTACAMUND.

Dated

9th

Despatched

10th

Received

April 1908.

No. M 868

Enclosure.

Subject.



Submitting report on
dyeing wool.



I have the honor to be
Sir,

Your most obedient servant.

Myman

Superintendent Central Jail

a Great advance on anything that
I have seen yet in the way of dyeing
with indigenous dyes and I should say
a very useful advance too. The point
I wish to bring out is, that I dare say I could
pick out of my wool stores a number
of various shades which would look
pretty enough on a wool card, but these
shades have been produced by accident
and error, and no one of them would
be reproduced by my dyers with any
degree of certainty. For instance, if I
told my dyers to dye me No. 5, it would
be a toss up whether it resulted in No. 5,
or No. 4, and they could not be certain
of giving me either of the shades again
exactly. If the Secret of arts can
reproduce all these shades with
certainty and exactitude their methods
of dyeing should certainly be made
public and this would be very useful.

13 Remond. 18/9/05

REVENUE DEPARTMENT.

9P

O.M. No 1822 A/08-18 28.5.08

With reference to ~~the~~
the suggestion made in B.P. No
No 5489 of 15-11-07 to print &
distribute copies of the book
prepared by Mr Brand on indigenous
vegetable dyes, the Govt considers
that it should be first ascertained
by actual experiments whether
the colours mentioned are
fast and whether they can be
reproduced by other dyers from
the recipes given by Mr Brand.

The Board of Sec. is accordingly
requested to state whether
it can arrange with Mr
Chatterton & The Superintendent,
Central Jail, Vellore, to have the
above points properly investigated.

He
2358

The St. J. (Rev. Sec) with
Mr Brand's book.

23-5-08.

REVENUE DEPARTMENT

REVENUE-A

CURRENT No.

3998

Received 27-11-1908, Registered 30-11-1908

Subject.

Reporting that it has not been found possible to carry out the experiments suggested by Government for testing Mr. Brand's recipes for the preparation of indigenous dyes.

ENCLOSURES.

No.

Spare copies

Misc. No. 4960

Station Madras, Dated the 24th November 1908

From

The Board of Revenue, Revenue Settlement,

Survey, Land Records and Agriculture.

The Hon. Mr. J. Twigg

Commr. of Rev. Sett., Survey, Land Records & Agri.

Resolution

Reference

Read the following papers:-

I

Memorandum from Government, Revenue Department.

Dated 25th May 1908.

No. 1822 A/08-1.

II

Reference from the Board of Revenue, Revenue Settlement.

Dated 5th June 1908.

No. 1442.

The Director of Industrial and Technical Inquiries and the Superintendent, Central Jail, Vellore, are requested

-25-

requested to be so good as to report at a very early date whether they can undertake the investigation suggested by Government in their memorandum read above.

2. Mr. Chatterton is requested to obtain and forward direct to the Superintendent, Central Jail, Vellore, samples of the dyed wool - prepared by Mr. Brand together with a copy of his notes.

III

Letter from Alfred Chatterton Esq., Director of Industrial and Technical Inquiries, Madras.

Dated 9th June 1908.

No.439 B & G.

In reply to Reference No.1442, dated 5th June 1908, I have the honour to state that the samples of dyed wool were prepared by Mr. Brand whilst Superintendent of the School of Arts and whilst that institution was still under me as Inspector of Technical Schools. I have now nothing whatever to do with the School of Arts and I have no facilities for carrying out the investigations suggested by Government which can be very easily undertaken by the Superintendent of the School of Arts. In reference however to the question asked by Government I would desire to point out that there is no necessity to make any experiments as I know from previous experience that the colours are fast and that they can easily be reproduced by other dyers from the receipts given by Mr. Brand. This is actual knowledge based upon experience in carpet-weaving and wool dyeing gained in the School of Arts during the last seven or eight years.

IV

Reference from the Board of Revenue, Revenue Settlement.

Dated 17th June 1908.

No.1562.

With reference to his letter read above, the Director of Industrial and Technical Inquiries is requested to report whether he has forwarded to the Superintendent Central Jail, Vellore samples of dyed wool and copy of Mr. Brand's notes as desired in para 2 of Board's

Reference

16
-3-
259 Edl
3-5-11

22
11 P

Reference No.1442 dated 5th June 1908.

V

Letter from Alfred Chatterton Esq., Director of Industrial and Technical Inquiries in the Madras Presidency, Madras.

Dated 26th June 1908.

No.439 B & G.

In reply to Reference No.1562 of the 17th June 1908, I have the honour to state that I have not yet forwarded to the Superintendent of the Central Jail, Vellore, the samples of dyed wool and the copy of Mr. Brand's notes as desired in paragraph 2 of of Board's Reference No.1442, dated 5th June 1908. I have received a letter from the Superintendent of the Central Jail asking me to assist him in the matter, but I regret that at present I have no time to do so and I would suggest that the reference be transferred to the Superintendent of the School of Arts who has facilities for carrying on the work which I do not possess.

VI

Reference from the Board of Revenue, Revenue Settlement.

Dated 2nd July 1908

No.1702.

With reference to Mr.Chatterton's letter read above, the Superintendent of the School of Arts is requested to be so good as to state whether he can undertake the investigation desired by Government. He is further requested to forward samples of the dyed wool prepared by Mr.Brand together with a copy of his notes direct to the Superintendent, Central Jail, Vellore, who has also been requested to undertake a similar investigation.

2. The Director of Industrial and Technical Inquiries is requested to hand over to the Superintendent School of Arts

-4- 17

Arts, the copy of Mr. Brand's book sent to him with Board's Reference No.1442, dated ^{5th June} ~~1st July~~ 1908.

VII

Letter from W.S.Hadaway Esq., Superintendent, School of Arts, Madras.
Dated 15th July 1908.
No.952.

In accordance with instructions received in Reference No.1702 dated 2nd July 1908, I have forwarded the samples of coloured wool to the Superintendent, Central Jail, Vellore, together with a copy of Mr. Brand's notes.

If the experiments ordered were made in the School of Arts they would be merely a repetition of what has already been done here. All the samples collected and arranged by Mr. Brand were produced by the School dyer who is still occupying that post. I have continually to instruct him to prepare similar colours and find that he can invariably match any shade ~~xxx~~ or colour given him. There seems, therefore, no reason for him to again repeat what he is continually doing as a part of his everyday work, for the arrangement of another set of colours on a small scale as a proof that these samples could be repeated would mean a waste of time and material to no purpose.

The man who is working here as a dyer- M.Lakshmayya - is not a dyer by caste but one who has picked up his knowledge himself, and as he has naturally a good eye for colour and considerable initiative, the variety of shades he has produced is the result.

The value of additional experiments to test the recipes collected by Mr. Brand would be worthless unless pursued by a person - entirely independent of the original dyer. So far as I am able to ascertain by a comparison of Mr. Brand's notes with those collected by a former Superintendent (Mr. Holder), there is nothing new in them, except perhaps, in the combination of two dyes to make a third colour or shade. This is a matter which depends for its success almost wholly on the - colour perception of the dyer himself, and, while one man might be able to get a given colour without fail in every instance, another would - perhaps

128
29

-5- 18

perhaps never be able to attain the same result.

The Memorandum from Government, Revenue Department No.1822 A/08-1, dated 25th May 1908, states that "it should first be ascertained by actual experiments whether the - colours are fast and whether they can be reproduced by - other dyers". If I had another dyer than the one who made the original experiments at my disposal it would be of use to confirm Mr. Brand's notes with him, but under the circumstances above stated, I do not see how there would be value in repeating the work already done.

VIII

Endorsement from the Director of Public Instruction, Madras
Dated 21st July 1908.
N.Dis.No.4685.

F o r w a r d e d.

IX

Memorandum from Government, Revenue Department.
Dated 18th September 1908.

X.

Letter from J.E.Young Esquire, Superintendent, Central Jail, Vellore.
Dated 6th October 1908
No.4002.

With reference to your No.2520 dated 23rd September 1908, I have the honour to state that I regret my inability to undertake any experiments at present. I did as ~~xx~~ a matter of fact begin to do so but had to stop it owing to the fact that my dyeing Establishment is not at present able to keep pace with my carpet weavers, so I had to relinquish the experiments for the present. I am now expanding my dyeing plant and Establishment and when I have done so and can keep pace with the requirements of the carpet industry and a bit over, I shall be glad to conduct such ex-

periment

-69
experiments as I can. The subject is rather important, and experiments should be exhaustive and thorough, particularly with a view to proving the fast nature or otherwise of the dyes, which is very important, and it is a subject on which I have considerable doubt myself. I would suggest further that it would be advisable to join with these experiments some experiments to prove the comparative fastness of aniline and vegetable dyes. Customers for jail carpets usually pin their faith to vegetable dyes as being faster than aniline, but I think that this is a doubtful point and one which it would be useful to settle.

Resolution

The Board begs to submit the following reply to the Memorandum from Government No. 1822A/'08-1 dated 25th May 1908.

2. In accordance with the instructions in the concluding sentence of the memorandum, the Board requested Mr. Chatterton as well as the Superintendent, Central Jail, Vellore, to report whether they could carry out the experiments suggested by Government. The former officer has ^{replied} ~~stated~~ that he has no facilities for conducting the tests in his own office and that, in his opinion, there is no need for any further experiments as he knows, from his experience of carpet-weaving and wool-dyeing in the School of Arts during the last 7 or 8 years, that the colours are fast and can be easily reproduced by other dyers from the recipes prescribed by Mr. Brand. The Superintendent, School of Arts, who, on Mr. Chatterton's suggestion, was requested to undertake the experiments, states that all the samples collected and arranged by Mr. Brand were produced by the School-dyer who is still occupying the post, that, if the further experiments ordered were made in the School of Arts, they would be merely a repetition of what has already been done and that to be useful, the tests should be conducted by a person entirely independent of the original dyer. He adds that, so far as he is able to ascertain by a comparison of Mr. Brand's notes with those collected by a former Superintendent. (Mr. Holder), there is nothing new

in

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24/38
-7-
in them, except perhaps in the combination of two dyes to make a third colour or shade, (a matter which depends for its success almost wholly on the colour perception of the dyer himself). The Superintendent, Central Jail, Vellore, reports that he began the experiments but was unable to continue them because his dyeing establishment was not able to keep pace with his carpet weavers, that he is now expanding his dyeing plant and establishment and that, when he has done so and can keep pace with the requirements of the carpet industry, he will be glad to conduct such experiments as he can. He considers that, in view of the importance of the subject, the experiments made should be exhaustive and thorough, particularly with a view to proving the fast nature or otherwise of the dyes, and that it would be advisable to join with these experiments some experiments to prove the comparative fastness of aniline and vegetable dyes.

3. It has thus not been possible as yet to carry out the tests ordered by Government. Unless the Government is prepared to accept Mr. Chatterton's assurance, based upon actual experience, that the colours are fast and can easily be reproduced by other dyers, the Board would suggest that the Inspector General of Prisons should be desired to make arrangements for carrying through the experiment at as early a date as possible.

(True Extract)

L. Swamikannu
Secretary

To the Secretary to Government, R.D. with Mr. Brand's

notes returned.

26.11.08

* sent separately

241

25

Educational Dept.
(Cuo 125)

14P

©

Memo No 125-284. 4. 11

The book on indigenous
dyes prepared by Mr. G. E.
Brand will be forwarded to
the Dyeing Expert who is
requested to ascertain by actual
experiments ^{if deemed} and report whether
the colours are fast and whether
they can be reproduced by other
dyes from the recipes given
by Mr. Brand, ~~so as to enable~~ ^{that the Govt}
~~may be able~~ ^{which} to decide whether the
book ^{is a suitable one} may be printed for
distribution.

best 7/10
4/4

7H. 3-4-11
DD 3-4-11
3-4-11

To
The D.P.D. with book
sent with
5-4-11



Received 191 . Registered 29 6 191/.

Subject.

Replying to Government Memorandum No. 2285/11 dated 4th April 1911 regarding the book on indigenous dyes prepared by Mr. G.E. Brand.

ENCLOSURES.

No.

Spare copies

Ref on Current No. 2285/11

Station Madras, Dated the 26 April 1911.

From (Name) The Hon'ble Mr. J.H. Stone, M.A. F.R.S.

(Designation) Ag: Director of Public Instruction,

Madras

To The Secretary to the Government of Madras,
Educational Department.

Sir,

With reference to Government Memorandum No. 125-2, dated 4th April 1911, I have the honour to state that the Superintendent of Industrial Education informs me that he has forwarded the book on indigenous dyes prepared by Mr. G.E. Brand to the Dyeing Expert but that it will not be practicable for him to submit the report called for till he is provided with a laboratory and that moreover he will not be in a position to express an opinion as to whether the book is a suitable one for publication till he has completed his preliminary investigations and has gained some experience regarding the methods of dyeing in this country.

I have the honour to be,

Sir,

Your most obedient servant,

G. W. S. S. S.

For Director of Public Instruction.

N.V.S.

~~Book containing the details~~
Shade card for Carpet Dyes

REVENUE DEPARTMENT.

C. No. 36624, From the 22 July (Rev. Secy), No. 5489 Dated 15-11-1907.

To Under Secy.

Orders are requested as to whether the Board's proposal to prepare 350 copies of the book and to distribute it, as well as to print 600 extra copies of the letter-press to meet future demand, will be approved and if so, whether the binding should be in Morocco or in Calico. The cost of the 350 ^{copies} if bound in Morocco is estimated at Rs 1225 ^(Rs 3-8-0 a copy) and if bound in Calico at Rs 481 $\frac{1}{4}$ (ie Rs 1-6-0 a copy). As the Board has not indicated the source from which the cost may be met, the Finl Dept will have to be asked to provide the required amount.

2. It seems to be a matter for consideration whether a price may ~~not~~ be fixed for the book if any demand arises for it from the public after the distribution of the first 350 copies.

Sec
 The Bd's proposals may be accepted.

DTC
 21.11.07



580
 20.11.07

24

HM

31

The Board believes that Mr. Brand's compilation is unique, but as a matter of fact the letter-press is to a great extent borrowed from a "Monograph on Dyes & Dyeing in the Madras Presidency" prepared by Mr. Holder in 1896. The plagiarism is proved by comparison of sentences: eg.

Turmeric — "is an essential ingredient in curry" (Mr. Brand)

"which is an essential ingredient in curry" (Mr. Holder)

Sappanwood — "The dye is obtained from the wood itself which is sold in chips convenient for use" (Mr. Brand)

"The colour is obtained from the wood itself which is sold in chips convenient for use" (Holder)

The borrowing does not matter, but of the two productions, Mr. Holder's seems rather the fuller.

2. The samples of dyed wool which accompany Mr. Brand's book are, I think, very inferior. There is neither a good red nor a good blue in the case, & the indigo is so little fast that it

Read

2

Put up below

bottom of file

29

29

4P

will rub off freely on the fingers. I feel sure that much better samples of dyed wool would be turned out by native dyers as well as by more than one central jail.

3. It is, I submit, unnecessary to spend Rs. 1225 in producing 350 copies of this production. If expert advice is desired, we might send the book to Mr. Gadsden for opinion. He has had considerable experience, & at one time there was a European dyeing master employed in the Coimbatore Jail.

Alf 5.11.07.

Alf Gadsden

Box No.	53
Bas	
Circulated	26.11.07
Returned	7.12.07

Mr. Atkinson showed this card & letter press some time ago before he left in the East and thought it a very commendable piece of work. He dwelt most on the form of the brochure and that it is worth any one wanting a wool dyed an indicated colour to obtain it at once by merely quoting the number.

I think it will be well to get Robert's advice on the matter as I am quite unable to judge of the merit of the idea or of the way in which it has been carried out.

Alf 6.12.07. J. Stokes

Office - Where is the enclosure to C.F.?
Alf 7.12.07

26

REVENUE DEPARTMENT.

30 58

The file may be forwarded to Jnd^l with the request that Mr. E.H. Gadsden may be consulted, both as to the letterpress & as to the samples. The points on wh^{ch} advice ~~and~~ is desired are, I think —

(1) whether the recipes for dyeing, coupled with the description of dyes & dyeing methods (in the letterpress) are sufficiently valuable to make it worth while to print a large edition. His attention may, in this connection, be drawn to Mr. Holder's work.

(2) whether the samples are of sufficiently good colour to make it worth while to have a large n^o of similar sample cards prepared, the cost being taken at R 1½ per copy in calico binding & Rs 3½ per copy in morocco.

Rev no 3662 A/1
10.12.07

10/12 Jnd^l Lrs.

Alf 9.12.07

Regd 10.12.07

CURRENT NO.
6885
JUDICIAL

JUDICIAL DEPARTMENT.

To Assistant Secretary
Draft Reference to the Dy
of Prisons submitted. 12.12.07

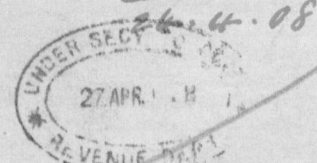
SD
12.12.1907

239, 3d. 3-5-11
pp 5-6 CF
pp 7-12 CF

[C No 2577]

7

Intt. G.O. D 2577-1



pp 8-12 CF

527

Inde
REVENUE DEPARTMENT.
21 6P

[Ref. to the I. G. of Prisons, No 6885-1/12.12.07]
From the I. G. of Prisons, No 2033/19.4.08
To Under Secretary

The D. G.'s letter forwarding the remarks of Messrs. Gadsden and Young on the compilation may be forwarded to the Rev. Deptt., U.O., with reference to the notes on the previous page.

S.D.
23.4.1908

Old Casimiri
24.4.08

Rev. Secy.

Revenue Dept.

To Under Secy.

This Dept. desired to have the opinion of Mr. Gadsden (Superintendent, Central Jail, Coimbatore) before deciding on the publication of the book prepared by Mr. Brand (late Supdt. of the School of Arts) on dyes & dyeing, as recommended by the Ins. Genl. The Inspector Genl. of Prisons submits both the opinion of Mr. Gadsden & of Mr. Young, Supdt, Central Jail, Vellore.

2 Mr. Gadsden ^{states that he} is not in a position to pronounce an opinion as to the value of the dyeing recipes & as to whether the dyes are fast without making actual experiments which he has

6/28
 32 78
 has not carried out. He states that it would be worth while investigating the subject of indigenous dyes, that there is no better place for doing this than the Vellore Jail where a large quantity of wool is dyed daily for carpet work & where some difficulty is experienced in getting the wool dyed in even shades, and suggests that the Superintendent of the School of Arts may advantageously detail one of his men who professes to understand dyeing with indigenous dyes to work at the Vellore Jail ~~and~~ under Mr. Young's supervision. He is also of opinion that the letter-press of Mr. ^{Brady} Sadaden's compilation could not be printed in its present state as much of it will be required to be re-written & some of the recipes may require modification. If the ~~best~~ recipes are tested and corrected where necessary and the letter press revised, he thinks it would quite worthwhile to print a small edition of the work, say 100 copies - bound in calico, as it would ^{be} of use in jails & other institutions. Mr. Young is of ^{opinion} ~~opinion~~ ~~of the opinion~~ ~~of the opinion~~ that the recipes should be tested by actual experiments in the Vellore Jail to see if the same colours could be reproduced exactly by the recipes & agrees with Mr. Sadaden

I 29 37

REVENUE DEPARTMENT.
88

as to advisability of deputing one of the
School of Arts Dyers to work in the
Vellore Jail. Submitted that the Edwel. Dept
may ^{first} be asked if this can be arranged
The question of publishing the compilation
may be considered after the recipes are
properly tested with the aid of a school of
Arts dyer at the Vellore Jail.

L.S.O.D.

Secretary

Mr Young's suggestion that 12 recipes should
be tested in the Vellore Jail and that a dyer
should be sent from the School of Arts to carry
out the experiments seems a good one and may I
submit be accepted. The question of printing the
Book can then wait until we receive a further
report.

L.S.O.D. J. Noyce

H.M.

The reports of the 2 Jail officers are non-committal
in character. Both say that they want further
proof that the School of Arts recipes really
produce the results attributed to them. Mr
Gadsden seems to throw direct doubt on some of
the directions in the Notes. Knowing something
of the extreme difficulty of dyeing, & remembering

C.F.g

8/30/34

REVENUE DEPARTMENT.

98

that Mr. Brand is not himself a dyer, I feel much uncertainty as to the expediency of publishing a large edition of a book vouched for only by a non-expert. Perhaps the Educ. Dept might be asked whether, if dyeing is still pursued at the School of Arts, it wd like to send a dyer to the Vellore Jail. The Rev. Dept. is not concerned either with the School of Arts or with Jails, but the dyeing question is really an industrial one, & so appertains to this Dept.

A. J. G. B. 4.5.08

Box No. 57
Circulated 4 5.08
Returned 6 5.08

Since that time I have raised the question of getting out a chemical book for dyeing the plant under Mr. Chatterton. I have always understood the function of dyes to be a peculiarly difficult one & the opinion of the Jail Report is evidently not favorable to this book. I understand that for the present any further reproduction of the book must stand over till the weavers can be tested properly by an expert chemist & dyer.

The function of a school of Arts dyeing sent to Vellore is for £5.

1/5/08. J. S. Stokes

Recd
259 Edl.
3-5-11

2/31

REVENUE DEPARTMENT.

The file should, I think - now go to Educ.
As the Book on Dyes emanated from Mr Brand when he was at the School of Arts, the file really seems to belong more to Educ. than to Revenue. Though the Bd. sent it up. Perhaps Educ. will accept transfer, & tell the Bd. what the H.M. in charge of Revenue has ordered? The question of sending the Sch. of Arts' dyes to Vellore will then no doubt be settled betw. Ed. & Tnd.

Slfⁿ
6.5.08

A. J. Garsden

Ed. no.

Slfⁿ
8/5/8

Educational Depart.

It does not appear that the Educational Department is concerned with the publication of the book, which is the point raised in the Board's Resolution. The question of sending a dye of the School of Arts to work in the Vellore Jail for the purpose of testing by actual experiments the recipes in Mr. Brand's book is one for Educational and it is submitted that the D.P. 9. may be asked up to State whether it will be possible to send a dye from the School of Arts to Vellore as above proposed.

Res. No 3662 A/07-2
7.5.08

CN-1076 A
9.5.08



Read

proposed.

to answer
8.5.08
C. S. 8.
10
32
11

D. P. D. no.

9.5.08 [with a book to be returned]
No. 1076 A-1
9.5.08

No. 1076 T-16
15.5.08

There is only one Dyer employed at the school of arts and he cannot be spared. Moreover if the object is to ascertain whether the recipes as given by Mr Brand will produce the results which he maintains they will it is obviously desirable that they should be tried by someone other than the man who made Mr Brand's samples.

Mr Hadaway assures me that this man can reproduce these samples the real question is whether Mr Brand has correctly and sufficiently described

the method this man employs without overlooking any "trick of the trade" this can only be tested by telling another man to try and carry out Mr Brand's instructions

A. J. Bourne 15.5.08

In the circumstances explained by Dr. Bourne in his note above, it does not appear to be feasible or desirable to
Send

Despo 15.5.08

32 34 12P

Send the only dyer employed at the School of Arts. The Rev. Department will ^{apparently} have to make other arrangements for testing by actual experiments the recipes contained in Mr. Brand's ~~dyer~~ book. For orders whether the file may be returned to Rev. for such action as they may deem necessary in this direction and for the issue of orders with reference to the Honble Mr. Stokes's note dated 5th May 1908, on page 8 Supra, or whether Educational may accept transfer of the file and issue orders to the Board in accordance with the Honble Mr. Stokes's orders and then send the file to Rev. for further action in regard to the testing of the recipes.

Ka Amphur
16.5-08

H.M. has not seen the case.
It hardly seems necessary for Ed. to take action. The matter is more for Rev.

Cat 1858
L.A. Parker

See the Rev. Secretary's note on p. 9 Supra.

CIRCULAR IN EDL. AND L. DEPT.
Box 11 No. 4.

H.M.
In any case it seems clear that the proposal of the 10th 8th be negatived - The next question is whether the School party

Shoud he wud to Carry on further
 Experiment - I think not. The question
 really has nothing to do with art - It is
 an industrial question - viz = Can certain
 dyes be produced with certainty and
 are they fast dyes?

If these points are to be further
 investigated I shoud say Mr. Chatterton
 is the officer to make the investigation. He
 comes no doubt use to Vellore jail to
 help him - (with the consent of the Jy jail)

The matter seems there for one for
 Revenue - The papers may be sent to
 Rev.

Mr. W. Hamrick
 20 v. 08
 C. A. Sinter

Chd
 21.5.08

Rev. no.

Please ref. to the Board saying that the Govt
 do not consider it desirable to print or distri-
 bute Mr. Brand's book until it has been
 established that the colours are fast, & that
 they can be reproduced by other dyers from
 the recipes given, & asking whether the B
 can arrange with Mr. Chatterton & the Supt C
 Vellore to have these points investigated.

H. Glenister
 21.5.08

SECRETARY TO GOVERNMENT
 21 MAY - 1908
 REVENUE DEPARTMENT

REVENUE - A
 1822

Recd 21.5.08
 Rep

Rece

35 39 147

To Under Secy.

As directed by Secy on the previous page, a Prop. refce to the Board of Rev. is submitted below for approval.

1880
23.5.08

The
23.5.08 J. Wayne

Issue

R 13 CF

(O.M. N^o 1822 A/08-1 25-5-08)

14-20 CF

C. N^o 3998A - From the Pz. qdw (Rev. Secy) N^o 4960 24-11-08.

To Under Secy.

1-2 CF

Before deciding to print and distribute copies of Mr Brand's book on indigenous Vegetable dyes, as recommended by the Board in its Proc N^o 5489 of 15-11-07, the Govt desired that actual experiments should be made whether the colours mentioned by Mr Brand were fast & whether they could be reproduced by other dyers from the recipes given by Mr Brand.

P. 13 CF

The Board was accordingly asked in O.M. N^o 1822 A/08-15/25-5-08 to arrange with Mr Chatterton & the Superintendent, Vellore Jail, to have the above points investigated. The Board now replies that it has not yet been possible to carry out the tests - Mr Chatterton stating that he has no facilities for conducting the tests in his office & the Supdt, Vellore Jail, being unable to undertake ~~the~~ ^{in the matter} experiments at present.

P. 15 CF

P. 18 CF

RECEIVED
1880

Rd

13 36

REVENUE DEPARTMENT
15P

P. 15 CF.

owing to the dyeing establishment of the jail being fully occupied with the jail work. Mr. Chatterton, however, states that there is no need for any further experiments as he knows from his actual experience of carpet-weaving and wool-dyeing in the School of Arts during the last 7 or 8 years, that the colours are fast and can be easily reproduced by other dyers. The Board suggests that unless this statement is accepted by Govt, the Inspector Genl of Prisons may be desired to make arrangements for carrying through the experiments.

2. There is a proposal to employ a dyeing expert to report on the state of the industry & to make other investigations with regard to the industry as the outcome of the Industrial Conference held at Ottacamund in September last.

If further investigations are to be made with Mr. Brand's recipes, they may perhaps be entrusted to him when he is employed. At any rate, Mr. Chatterton may, it is submitted, be asked whether on the strength of his statement that Mr. Brand's recipes require no further trial he would recommend the printing & distribution of the book as suggested by the Board.

reference

Linked with
below
above

Rdt

18 37

reference is submitted below for approval.

E.S.J. *asmoodian*

7-12-08

4/168

Secretary.

No further reference to Mr. Chatterton appears necessary, I submit. He has expressed his opinion that the colours are fast and that they can easily be reproduced by other dyers from the recipes given by Mr. Brand. His reply therefore to a query whether he recommends the printing and distribution of the book will therefore be in the affirmative. If, however, a dyeing expert is to be engaged his opinion on the subject should I submit, be taken before the book is printed. The file may therefore await orders on the linked file.

Separate

F.N.

14-12-08.

F. Wayne *uns.*
21/12/08

HM

Secretary.

Orders have been passed directing that sanction should be obtained for the appointment of a dyeing expert. Orders may now, I submit, be passed on the point raised in my note above.

Draft letter submitted to Rdt

F.N.
7-1-09.

F. Wayne

R. 13

13/38

REVENUE DEPARTMENT.

42 178

HM

13
2-1-09
15-1-09

As we have asked for an expert in deciphering the question of publishing Mr. Brand's book of indigenous deities & books you may I think very well lie on till the expert's arrival - It would cost 1225/- to print 350 copies of a book apparently. (vide Mr. Cardew's note - p. 3 of M.F.)

L. M. Wycherley W. M. 8/1/09

Yrs. This book sh^d not be printed. The papers can be given to the decipher expert when he comes.

J. M. Hammett
15-1-09

Wait ~~some~~ receipt of copy to the application for decipher expert.

L. M. Wycherley W. M. 16/1/09

To Under Secy.

The Secretary of State has sanctioned the appointment of a

x Vide para 9 of his despatch at p. 18 of fo 3446 27.10.10 N

x 187

dyeing expert & has stated that he will take steps to select and engage one on ^a suitable salary. Orders regarding the details connected with the employment of the dyeing expert are to issue in the Educational Dept. Submitted that this file may ^{now} be transferred to that Dept for further action when the ~~file is that the papers may be given to the~~

Dyeing expert ~~when he comes~~ arrives.

17.1.11.

Yellow 1811

Educational Dept

Dy Secy

The papers regarding the
dyeing expert will be found in the
bundle which has been separately
submitted today.

Rev 60 1822A/08



Edl. no. 125
Regm. 19.1.81.

(Faint handwritten notes at bottom left)

The Dyeing Expert has arrived. Mr. Brand's book on indigenous dyes may be forwarded to the Dyeing Expert and he may be requested to ascertain by actual experiments and report whether the colours are fast and whether they can be

NOTES.

Page 18 40

44 19P

reproduced by other dyers from the recipes given by Mr. Brand.

2. The draft below is for approval.

7H.
3-4-11

AD [unclear] [unclear]
3-4-11
for [unclear] [unclear]
W. W. [unclear] [unclear]

[Memo. no. 125-2 2d & 4-4-11]

From the D.P.I. no. 2285 & 26-4-11

Please see the D.P.I.'s letter on page 22 of the current file. The Director states that the Dyeing Expert will not be able to express an opinion on Mr. Brand's book till he has completed his preliminary investigations and has gained some experience regarding the methods of dyeing in this country and till he is provided with a laboratory.

2. The Director's letter may be recorded, with the remark ~~and a note entered in the cell book~~ that the Dyeing Expert's report ^{should} be submitted when he has completed his preliminary investigations ^{regarding the methods of dyeing in this country.} The draft below is for approval.

7H.
1-5-11

Secy [unclear]
1-5-11 [unclear] 2/57
Amended, [unclear] [unclear]

[S.O. No 259 [unclear] 3-5-11]

159

[illegible]

READ ALSO :—

C. No. 125, From the Rev. Sept, No. 1822 A, dated 18-1- 1911

77 77 988 77 77 ~~D-P-1~~ 2285 26-4-1911

16 19

ORDER.

No. 259, dated 3. 5. 1911

mis

Recorded.

7/4.
1-5-11

2. The D.P.I. is requested to see that the report of the dyeing expert on Mr Brand's book on indigenous dyes is submitted ^{as soon as} to Govt, ~~when~~ Dr. Marsden has completed his preliminary investigations regarding the methods of dyeing in this country.

is in a position
to pronounce a considered
opinion on the points in
issue.

3.5- 16

To The D.P.P. ✓ Sept 4/5/11

When given for copying _____
 When copied _____
 When examined _____
 When signed _____

191

READ AGAIN G.O., No.
 191

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- P = Copy abstract only.
- Q = Copy Heading only.

A A A A A A A

17

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