

Home (1918) Department.
(Education)

Ordinary SERIES.

G.O. No. 355.

DATED 18-3-1918.

INDEXED

[Despatch Abstract.]

Legislative Council question.

Communication to the officer in charge of the Department of Industries a copy of the question regarding machines for shelling groundnuts asked by the hon'ble S. S. R. Annamalai Chettiar at the meeting of the Legislative Council held on the 11th February 1918 together with a copy of the answer thereto.

PAPERS PUT UP WITH CURRENT No. _____

Papers of the department to which the current belongs.

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.)	Initials of Referencer with date in token of return to Reference department

Papers of other departments.

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

Local and Municipal (Legislative) Department.

The Hon'ble Rao Bahadur S.R.M. Annamalai Chettiyar.

Revenue Department.

Home (Education Department).

Q.89 (a) Referring to the answer

given by the Government to question No.1
put by the Hon'ble Sir Francis Spring at
the meeting of this Council held on the
5th April 1916, will the Government be
pleased to state whether a machine for
shelling groundnuts suited to village
conditions has been found by the Depart-
ment of Agriculture and Industries after
testing the various machines invented in
and imported into this country for that
purpose?

(b) If the answer to the above is
in the affirmative, will the Government
be pleased to give the name of the
machines, ² the name and the address of the
inventors or the importers and ³ the cost
of the machines?

9.1.21 dep. 955 F
29.4.16

2996
16

L. & M. (iv) 8-1,000-18-1-17.

3
Legislative DEPARTMENT.

Rev Cus 144F

24

Rgs 29.1.18

Read 7.30 PM. 29/1/18

QUESTION.—No. 89

for the meeting of the Legislative

Council to be held on the 12th February 1918

SUBMITTED that two copies of this Question may be forwarded to the
Revenue & Home (Edn) Department with reference to Nos. (1) and (4) of the
 rules regulating Secretariat procedure in dealing with these Questions in the
 Legislative Council. Orders regarding admission will be communicated in due
 course.

V. T. K.

29.1.18

U.O. No. 2392 ^{leg} dated 29.1.18

To

The

Revenue Department. with En. 89

Hon. Secy, Dep. 4

The question is one mainly for the Revenue Dept. to whom a copy has already been communicated by the Legislative Dept. It is also understood that Revenue proposes to send a reference to the Director of Agriculture on the subject. Mr. Jones may perhaps be requested u.o. to state whether he has any information on the points referred to in the question.

Q.P.
31/1/18

Mr. Jones u.o. for favour of information as to whether any such machine is known to him.

J. Jones

Encl. 254A-1
1-2-18



R.C. 430

G.O. 985 (7) + G-1
29-4-16
2996 (H) were
communicated
to the Director.
File
7-5-18

I have seen the question & answer referred to above. Before a systematic trial of different decorticating has yet been made. The question however is very well handled. Mr. Jones has already taken notice of the working of the Sangli decorticator & he is going off on his at

NOTES.

Page 3

the end of this week to
make further investigations
into decortication as well
as other matters.

It may be said that
the matter is still under
investigation.

Cap

372

[illegible]

To Dej. Secy.

Please see G.O. 955 Rev. of 29. 4. 1916

and G.O. 2996 " d 23. 12. 1916

in connection with the question in the current file

H In his letter dated 14th December 1916 (P. 12 of) pgs. 2996223-12-16

the Director of Agric. reported that the Agricultural and Industrial Dept^s ^{as also Messrs Best and Co} were working out the problem but

that difficulty was experienced in describing a machine which would treat nuts of all sizes in a proper way. No later information is available.

For consideration of the Dis. of Agriculture may be asked^x to report. If so the Sec. below may go to him.

D.O. 144 7/18.1 31.1.18

my dear Stuart

are directed to

I enclose herewith a copy of a

question proposed be asked at the ensuing meeting (12th Feb'y) of the Reg. Council and to request that the Govt. may be furnished not later than the 15th idem with information on the points raised there.

Yours Sincerely,

$\frac{1}{2}$ 30 1.18

To E. A. D. Stuart Esq. D. C.
Dir. of Agric. with Encl
AD Western.

RR

2.1.1

301

After issue of the DO, the Home (Edl) may be requested today if they have any information on the

HM (Agriculture)

The pattern of index is 5 rows of
the reference 4 8

42.18
30

Revenue DEPARTMENT.

Sett. II-8-13,002-4-13.

D.O. CURRENT No. 148 F X

From

Received 5-2-1918 Registered 5-2-1918

Director of Agriculture.

Madras, 5th February 1918.

D.O. 66.

My dear Richards,

In reply to your D.O. 142, F/18 dated 31st January 1918 I enclose a note regarding groundnut decorticators.

Yours sincerely,

[Signature]

To

F. J. Richards, Esq., M.A., I.C.S.,
Dy. Secretary to Government,
Revenue Department, Madras.

NSS

Groundnut decorticators.

There are several types of groundnut decorticators which are suitable for village conditions. They are all constructed on much the same principle and there is not much to choose between them. It is a question of price ^{usually} versus ^{the} outturn. The percentage of broken nuts does not vary so much with the type of machine ^{as} with the care with which it is fed and driven.

2. ~~The~~ The most popular machine is the 'Sangli' manufactured by Messrs. Dandekar Bros. at Sangli in ^{the} Bombay Presidency. Details of ~~these~~ are given below:

Size.	Pre-war prices. Rs.	H.P. required.	Capacity claimed, in bags of 164 lbs. of unshelled nuts, per day of 10 hours.
A	200	3	67
B	250	4	84
C	300	5	100

Tests carried out by ^{c. J. K. K.} ~~this~~ Department on these machines show that they are ^{on the whole} ~~very~~ satisfactory and that the actual outturn in practice is well over that claimed, ^{in fact it may amount to 60% more} ~~in fact it may amount to 60% more~~.

3. Messrs. Oakes & Co., Madras, manufacture a machine which is practically identical with the 'Sangli'.

4. Messrs. Best & Co., Madras, manufacture the 'Gandart' patent machine; ^{the} ~~the~~ ^{these} ~~these~~ are in use in South Arcot District. ^{Details are} ~~given~~ below:

Size.	Pre-war price.	H.P. required.	Capacity claimed, in bags of 164 lbs. of unshelled nuts per day of 10 hours.
A	350	2½	110.
B.	650	4--5	250 to 300
C.	1150	8--9	500.

A trial of one of these machines was made by ^{c. J. K. K.} ~~this~~ Department in 1916; ^{the trial was unsatisfactory, partly owing to engine} ~~the trial was unsatisfactory, partly owing to engine~~.

trouble, and the capacity claimed was not ~~reached~~. It is believed that the machines have since been improved.

5. Lastly there is the 'Gaebele' patent machine, which is used to some extent in Pondicherry. ~~This~~ ^{It} costs Rs. 600, takes 5 H.P. and deals with some 250 bags per day of 10 hours.

6. The Agricultural Department has not undertaken sufficient detailed tests to enable it to state definitely which is the machine "best suited to village conditions". Probably no one machine will suit all conditions. The 'Sangli' type is cheap in initial cost and efficient when comparatively small quantities of groundnuts are being dealt with. For larger quantities one of the other types would ~~be~~ ^{probably} be cheaper in the long run. ~~I understand that~~ ^{Understand that} the Director of Industries proposes to carry out detailed trials of the several types of machines in the market.

for signature
Director of Agriculture.

N.S.S.

Today, Sat.

Please see the Director's note on "groundnut decorticators" at pages ~~6-7~~ ⁶⁻⁷ supra. It seems preferable to lay this note on the Council table omitting ~~the last sentence of para 4 and~~ the first three words of the last sentence in para 6 at p. 3 ante. If this suggestion be approved, the following answer may be given:-

Draft answer

89(a) & (b).

"A note on" groundnut decorticators"

Submitted by the Director of Agric. is laid on the table."

The answer may go to Home (all) for acceptance.

H.M. (Agric) through
Home (Agr) U.V.

RR
5-2-18
File
6-2-18



2/2/18
6-2-18

Home (Agr) Dept

Rev. W.O. 1447/18-2

also
7/2/18

Page 3 ante

The note on pages ~~6+7~~ ⁶⁺⁷ ante contains ~~also~~ ^{an} expression of opinion, which may be challenged by the makers and it does not therefore appear desirable to publish the note even as amended by the Rev Dept.

2 On the copy of the question received in the Rev Dept. has suggested the following draft ~~draft~~ ^{draft}

answer: -

A

" The matter is still under investigation

It is submitted that the adoption of the above draft answer may be commended to Revenue.

6/2/18

S. J. 6.8

W. 6/2/18

Rev 700

Conno. 254A-2
6.2.18

HM 7

Rev 6/2/18

To O.S.

It is submitted that the amended answer suggested may be accepted & after the meeting is over the file may be transferred to Home (206) for further action being taken & for the issue of a press note on the action taken at the additional members are likely to pursue the question

7-6-18 Home (206)

HM

7-6-18

Please reply as
follows: -

A note on the
subject is being on the
table.

[In the note please
see pages 6 and 7. Please
use the note as required
(Yne).

Sp. and/or of the note
at page 6.7 as
mentioned in the 6th day
V.E. 3. 3. 5. 7. 11. 14
7/2

h. 8.
7.2.

7/2

LC. Q 104

REVENUE DEPARTMENT.

11
12

The Hon'ble Rao Bahadur S.R.M. Annamalai Chettiyar.

89. (a) Referring to the answer given by the Government to question No. 1 put by the Hon'ble Sir Francis Spring at the meeting of this Council held on the 5th April 1916, will the Government be pleased to state whether a machine for shelling - groundnuts suited to village conditions has been found by the Department of Agriculture and Industries after testing the various machines invented in and imported into this country for that -- purpose?

(b) If the answer to the above is in the affirmative, will the Government be pleased to give the name of the machines, the name and the address of the inventors or the importers and the cost of the machines?

A N S W E R.

89. A note on the subject is laid on the table.

Fort St. George,
7th February 1918.

C. H. Jackson,
Under Secretary to Government.

To
The Legislative Department.

The above answer has been approved by the Hon'ble Diwan Bahadur P. Rajagopala Achariyar, C.I.E.

Forwarded to the Legislative Department.

(By order)

DESPATCHED
FEB 1918

J.C.

W. K. S. Achari
7.2.18
Acting Registrar.

12
13

Groundnut decorticators.

There are several types of groundnut decorticators which are suitable for village conditions. They are all constructed on much the same principle and there is not much to choose between them. It is generally a question of price versus outturn. The percentage of broken nuts does not vary so much with the type of machine as with the care with which it is fed and driven.

2. The most popular machine is the 'Sangli' manufactured by Messrs. Dandekar Bros., at Sangli in the Bombay Presidency. Details of it are given below:--

Size.	Pre War prices. Rs.	H.P. required.	Capacity claimed in bags of 164 lbs of unshelled nuts per day of 10 hours.
A	200	3	67
B	250	4	84
C	300	5	100

Tests carried out by the Agricultural department on these machines show that they are on the whole satisfactory and that the actual outturn in practice is well over that claimed.

3. Messrs. Oakes & Co., Madras, manufacture a machine which is practically identical with the 'Sangli'.

4. Messrs. Best & Co., Madras, manufacture the 'Gaudart' patent machine; It is in use in the South Arcot district; details are given below.

Size.	Pre War price. Rs.	H.P. required.	Capacity claimed, in bags of 164 lbs of unshelled nuts per day of 10 hours.
A	350	2½	110
B	650	4--5	250 to 300
C	1150	8--9	500

A trial of one of these machines was made by the Agricultural department in 1916; there was engine trouble, and the capacity claimed was not ^{reached.} It is believed that the ^{as} machines have since been improved.

13

5. Lastly there is the 'Gaebele' patent machine, which is used to some extent in Pondicherry. It costs Rs. 600, takes 5 H.P. and deals with some 250 bags per day of 10 hours.

6. The Agricultural Department has not undertaken sufficient detailed tests to enable it to state definitely which is the machine "best suited to village conditions". Probably no one machine will suit all conditions. The 'Sangli' type is cheap in initial cost and is efficient when comparatively small quantities of groundnuts are being dealt with. For larger quantities one of the other types would probably be cheaper in the long run. The Director of Industries proposes to carry out detailed trials of the several types of machines on the market.

Director of Agriculture.

104 Q.—(a) Referring to the answer given by the Government to question No. 1 put by the Hon'ble Sir Francis Spring at the meeting of this Council held on the 5th April 1916, will the Government be pleased to state whether a machine for shelling groundnuts suited to village conditions has been found by the Department of Agriculture and Industries after testing the various machines invented in and imported into this country for that purpose?

(b) If the answer to the above is in the affirmative, will the Government be pleased to give the name of the machines, the name and the address of the inventors or the importers and the cost of the machines?

104 A.—A note on the subject is laid on the table.

Groundnut Decorticators.

There are several types of groundnut decorticators which are suitable for village conditions. They are all constructed on much the same principle and there is not much to choose between them. It is generally a question of price versus outturn. The percentage of broken nuts does not vary so much with the type of machine as with the care with which it is fed and driven.

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Size.	Pre-war price.	Horse-power required.	Capacity claimed, in bags of 164 lb. of unshelled nuts per day of 10 hours.
	RS.		
A	200	3	67
B	250	4	84
C	300	5	100

Tests carried out by the Agricultural department on these machines show that they are on the whole satisfactory and that the actual outturn in practice is well over that claimed.

3. Messrs. Oakes & Co., Madras, manufacture a machine which is practically identical with the 'Sangli.'

4. Messrs. Best & Co., Madras, manufacture the 'Gaudart' patent machine. It is in use in the South Arcot district; details are given below:—

Size.	Pre-war price.	Horse-power required.	Capacity claimed, in bags of 164 lb. of unshelled nuts per day of 10 hours.
	RS.		
A	350	2½	110
B	650	4-5	250 to 300
C	1,150	8-9	500

A trial of one of these machines was made by the Agricultural department in 1916; there was engine trouble, and the capacity claimed was not reached. It is believed that these machines have since been improved.

5. Lastly there is the 'Gaebele' patent machine, which is used to some extent in Pondicherry. It costs Rs. 600, takes 5 horse-power and deals with some 250 bags per day of 10 hours.

6. The Agricultural department has not undertaken sufficient detailed tests to enable it to state definitely which is the machine 'best suited to village conditions.' Probably no one machine will suit all conditions. The 'Sangli' type is cheap in initial cost and efficient when comparatively small quantities of groundnuts are being dealt with. For larger quantities one of the other types would probably be cheaper in the long run. The Director of Industries proposes to carry out detailed trials of the several types of machines on the market.

Machine for shelling groundnut.

To Dy. Leg.

The answer given at the Council is attached supra. As I already decided at page 9 of notes ante, the job may be transferred to Home (Ed) Dept. It is presumed that they will in future deal with this subject.

Rev. 10/14 F/10/1

22-2-18
D.F.
4/2

EonA

Chas 526
22-2-18

20-2-18
1/10
21-2-18

Home (Ed) VO



1/10
21-2-18

Home (Ed) Dept

A copy of the question and answer on page 14 ante may, it is submitted, be communicated to the Officer in charge of the Dept. of Industries who may be requested to report the results of the detailed trials of the several types of machines on the market. ^{and supply a description} A draft order is submitted for approval.

15/1/18
T.L.
26-2-18

S.
(The case may be closed after issue)
Yes
LWS
18-2-18
LWS

READ ALSO:—

C. No. 257-A From the _____, No. _____, dated _____ 191

ORDER.

No. 35-5, dated 18-3-1918

A copy of Question No 104 regarding machines for shelling groundnuts, asked by the Honorable Rao Bahadar S. R. M. Anuradha Chetty, A.O. at the meeting of the Legislative Council held on the 12th Feb. 1918, together with a copy of the answer given thereto is communicated to the Officer-in-Charge of the Dept. of Industries who is requested to report the results of the detailed trials proposed to be made by him on the several types of machines on the market.

The Officer in Charge
Dep't of Int. (Initial copy of Report)
Director of Agriculture (do)
Copy to the Rev. Dep't.

$\frac{0.5}{25-2.18}$
 In $\frac{2620}{LWS}$
 $\frac{18318}{}$

Handwritten signature

When given for copying
When copied *init*
When examined *50.3* 191
When signed *init*

BRAD AGAIN G.O. No.
191

DATED

CURRENT No.

P

ENCLOSURES TO C. No.

ORDER OF GOVERNMENT

A A A A A A A

LETTER OF GOVERNMENT.

STATEMENT WITH DITT.

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

N.B.-

- A = Copy in full.
- B = Not to be copied.
- P = Copy abstract only.
- Q = Copy heading only.