

(1) Number of pages 14
(2) Date of repair 3-1-73
(3) Initials of the Referencer _____

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Revenue DEPARTMENT

G.O. No.	1514	Press
B.P. No.		Mis.
Dated	21-4-1877	197

Not to be folded or roughly handled

Famine Relief.

No. 25. Read the following letter from H. W. ALLEN, Esq., C.E., Famine Relief Officer, Cumbum Taluq, Kurnool District, to J. H. GARSTIN, Esq., Additional Secretary to Government, Revenue Department, Fort St. George, dated 10th April 1877:—

I HAVE the honor to forward, for your information, a simple but inexpensive filter applicable for wells of drinking water.

2. Colonel Sankey, R.E., the Chief Engineer of Mysore, designed a filter applicable to a site in the vicinity of running water.

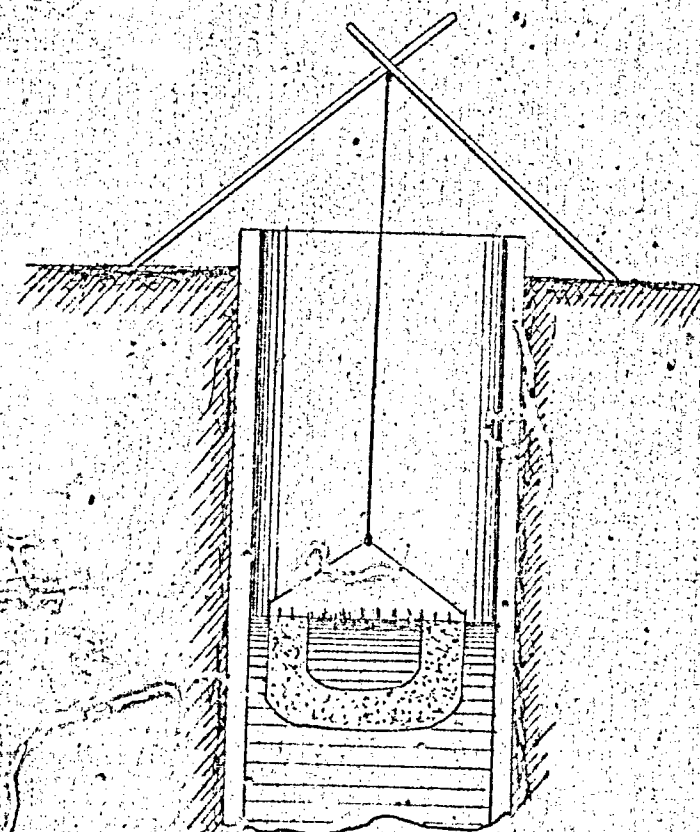
3. Last year cholera was very prevalent among the coolies on the tea plantations in the hill gardens of Darjeeling. I accordingly showed them how to construct these large filters on Colonel Sankey's principle. On being asked to design one suitable for the Terai Gardens, I was led to think of the simple method which I trust you will, if you deem it worthy of a trial, cause to be made known to all Famine Relief Officers by means of a printed circular.

I have addressed my immediate superior officer on the subject, and to save time I beg to communicate my design to you direct.

Having no drawing materials at hand, I trust the accompanying sketch and notes will render the method of constructing and using them perfectly intelligible to any one who may be called upon to try them.

ENCLOSURE No. 1.

Section of Well showing the method of using the Filter proposed by Mr. Allen.



I. Construction of Filter.—Construct two baskets as large as can be conveniently made, and which the well will admit; their semi-diameters differing by the proposed thickness of the filtering substances—from 9 inches to 1½ feet..

II. Place the smaller basket in the larger as per sketch, filling in the intervening space with a mixture of sand, gravel and charcoal, as used in the ordinary three "chatty" filter.

III. Lower the baskets into the well nearly to the surface of the well water, but not altogether submerged.

IV. The well water will percolate into the inner basket and can be drawn as usual.

V. The cost of the basket and filtering materials are trivial, and should be renewed when necessary.

(Signed) H. W. ALLEN, C.E.,
Famine Relief Officer, Cumbum Taluq.

KISSENCHATTIPILLAY,
10th April 1877—

Proceedings of the Madras Government, Revenue Department.
21st April 1877

No. 526.

ORDER THEREON, 21st April 1877 No. 1,514.

Miscellaneous.

TRANSFERRED to the Collector of
Kurnool through the Revenue Board.

2. The Collector will thank Mr. Allen for his suggestion, and may, if filters are needed any where in the district on relief-works, or in villages, give Mr. Allen's filter a trial, reporting the cost of the experiment and the efficiency of the filter.

(True Extract.)

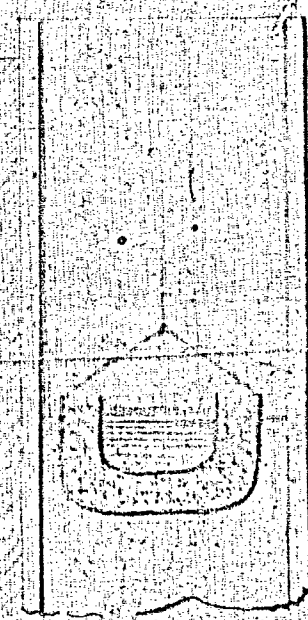
(Signed) J. H. GARSTIN
Additional Secretary to Government.

To the Board of Revenue.
the Financial Department.
the Accountant-General.
the Public Works Department.

Edw. A. F. Goodall.

514
3

Section of Well-
 Showing the method of
 using the Filter proposed
 by Mr. Allen.



I. Construction of Filter -

Construct two baskets as large
 as can be conveniently made &
 which the Well will admit; their
 semi-diameters differing by the
 proposed thickness of the filtering
 substance - from 9 inches to 1 1/2 feet.

II. Place the smaller basket in the larger
 as per sketch, filling in the intervening space
 with a mixture of sand, gravel and charcoal.

III. Lower the baskets into the well
 to the surface of the well-water, but not
 altogether submerged.

IV. The Well-water will percolate into the
 inner basket and can be drawn as usual.

V. The cost of the baskets and filtering
 materials are trivial and should be
 renewed when necessary.

Henry W. Allen C.E.
 Famine Relief Officer

Therapath
 Camp Kaseenchattipulley
 10th April 1877

Letter from Mr. Allen, Relief Officer
 Famine District, to the Collector, Kaseenchattipulley,
 and directing him to send Mr. Allen for the same
 and to give him a trial, if needed, and to report
 on its efficacy.

RECEIVED
 APRIL 10 1877

APRIL 10 1877

APRIL 10 1877

APRIL 10 1877

APRIL 10 1877

APRIL 10 1877

APRIL 10 1877

APRIL 10 1877

APRIL 10 1877

APRIL 10 1877

151/2

No 1574

Am joined to the
 Col of Kuenke
 bought the 1st Lt.
 2 Lt. Col. with rank
 in 1st Lt. for his
 suggestion to send
 filters on several
 airplanes in the
 Do. on Relief Troops
 a mile away from
 Alamo ~~Alamo~~
 trial report on the
 use of the experiments
 of the efficiency of the
 filter

21/4/77

JH
 21 April 1977

mid Capt. O'Donoghue
 3000 ft. May 1977
 5th Air Force
 6th Air Force
 24th Air Force

100

Handwritten notes on a separate sheet of paper, including "L. 25623" and "11/11/77".

FOR O

REVENUE DEPARTMENT.

J No. 2513

1514
/5

From

H. W. Allen Esq.

Dated

10th April

187

FOR ORDERS.

If filtering be
found necessary - I
would rather refer
to the water being
of a nature than
by the water being
open for sufficient
visually to form
ideas of the
to the mind of
what I see adopted
with Chatter
Dalsingra has
+ the
must be
open for sufficient

to be sold with
the rate fairly
enough for supply
of many people

on very strong
large quantities and

permanently support
the weight of a

mass of filling and
well packed - and

being sure to
sufficiently support

the water to be

placed through
quartz or rough

iron mesh
In his suggestion

and is to be used for
the filling

necessary in the
which is not only

sanction his
one or two or three

entirely sufficient

151/6 Camp Kissenchattipullay
Cumbum
Kurnool District
10th April 1877

Sir
I have the honor to forward
for your information a simple
but inexpensive filter applicable
for wells of drinking water.

2. Colonel Sankey R.E. the
Chief Engineer of Mysore designed
a filter applicable to a site
in the vicinity of running water.

3. Last year Cholera was
very prevalent among the coolies
on the Tea plantations in the hill
gardens of Darjeeling. Accordingly
I showed them how to construct
these large filters on Colonel
Sankey's principles - On being
asked to design one suitable
for the Serai gardens I was
led to think of the simple
method which I trust you
will if you deem it worthy
of

of a trial, cause to be made
known to all. Famine Relief
Officers by means of a printed
Circular.

I have addressed my im-
mediate superior officer on the
subject and to save time I
try to communicate my design
to you direct.

Having no drawing materials
at hand I trust the accompany-
ing sketch and notes will render
the method of constructing and
using them perfectly intelligible
to any one who may be called
upon to try them.

I have the honor to be,
Sir,

Your Most Obedt. Servant

Henry W. Allen C.E.

Famine Relief Officer

to J. A. Garstin Esq. - Camburni Taluk
C. S.

Addl. Secretary to the Kurnool District
Government of Madras.

Dec 1877 1884
761 2543

Jan. H. H. Allen & Co.

Thames Valley

London

London

1884 3 444 3 11

Bringing to notice
a number of persons in
the vicinity of the
Thames Valley
London

1884 3 444 3 11