

*Proceedings of the Madras Government, Public Works Department,  
17th April 1875.*

No. 473. Read the following despatch from the Most Honorable the Secretary of State for India:—

INDIA OFFICE, LONDON,  
18th March 1875.

Public Works,  
No. 5.

My LORD,—I have received your letter in this Department, No. 33, dated 9th October 1874, relative to the supply of certain articles required to complete the cooking arrangements of the General Hospital at Madras.

2. In accordance with your request, Dr. Paul, the Surgeon of the Hospital, who is now in England, has been consulted as to the details of the apparatus to be furnished, and I enclose, for your information, a copy of a report\* which he has furnished on the subject.

\* Dated 20th February 1875.

3. I have sanctioned the supply of the cooking range and appurtenances recommended by Dr. Paul. The cost will be £312.

I have, &c.,  
SALISBURY.

His Excellency the Right Honorable  
The Governor in Council, Fort St. George.

From Surgeon-Major J. L. PAUL, M.D., Madras Army, to the Director-General of Stores, dated 40, Queensborough Terrace, Kensington Gardens, London, W., 20th February 1875.

With reference to your letter, dated 6th January, forwarding Madras Public Works letter, No. 33, of the 9th October last, with enclosures herewith returned, I have the honor to submit a plan and specification, with estimate of cost, for a cooking range for the kitchen of the General Hospital, Madras, with a lift attached to convey the cooked food to the upper stories, and a small stove, like that known as the "Enchantress," for the use of the nurses of the hospital.

2. In your letter under acknowledgment, and in the Proceedings of Government forwarded for my guidance, the kind of lift particularized is a patent lift, but on consulting with Messrs. Easton and Anderson, the Hydraulic Engineers of Southwark Street, I discovered that the water-supply of the hospital is not raised to a sufficient height in the building to work a hydraulic lift, and as there is no prospect of its ever being higher from the town reservoirs without a special pumping apparatus, I requested Messrs. Benham & Co. of Wigmore Street to attach to the plan of the cooking range a plan and specification of a small lift worked by crank power, which has the merit of simplicity, efficiency, and cheapness. On inspecting the different hospitals in London, with a view more particularly to their cooking arrangements, I find that the diets are in many, indeed I may say in most, raised by crank or hand power lifts, even where hydraulic lifts are in use in the same building for other purposes.

3. The lift of which I submit the plan will raise the food as efficiently as a hydraulic one, the weight being comparatively small, and if it falls out of gear can by reason of its simple construction be repaired within the resources of the country, while it is doubtful whether a hydraulic lift could in all circumstances be repaired without renewal of the damaged parts from England. Moreover, the original cost of the dinner lift worked by a crank, as submitted in the plan, will amount to less than a quarter of the hydraulic apparatus.

4. The plan of the cooking range is drawn to scale in accordance with the plan of the kitchen in which it is to be located, transmitted to me by the District Engineer, is arranged to burn wood, and is divided into two portions for the requisite number of Europeans and Natives, respectively, that the hospital can accommodate.

of stores

*Proceedings of the Madras Government, Public Works Department,  
17th April 1875.*

5. The small stove referred to in the specification for the use of the nurses is that known in the London trade as the "Cottager." Its original cost slightly exceeds that of the "Enchantress," but it is recommended as being more substantial and durable than the latter, which is an American manufacture of thin material, and which I am advised by Messrs. Benham & Co. would not last, nor bear the wear and tear it is likely to be subjected to.

6. If any further modification or information on the subject is required, I shall be happy to obtain it.

No. 474.

ORDER THEREON, 17th April 1875, No. 1,089.

CIVIL WORKS, No. 29.

COMMUNICATED to the District Engineer, Presidency, who will report when the stove and apparatus have been received.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the District Engineer, Presidency.  
" Controller of Public Works Accounts  
" Public Department.

(Copy)

40, Queensborough Terrace,  
Pennington Gardens,  
London W.

20<sup>th</sup> February, 1875.

Sir,

With reference to your Letter dated 6<sup>th</sup> January, forwarding Madras Public Works Letter N<sup>o</sup> 33 of the 9<sup>th</sup> Oct. last, with enclosures, herewith returned, I have the honor to submit a plan and specification, with estimate of cost, for a booking Range for the Kitchen of the General Hospital Madras, with a lift attached to convey the cooked food to the upper stories, and a small stove, like that known as the "Enchantress," for the use of the nurses of the hospital.

In your letter under acknowledgment, and in the proceedings of Government forwarded for my guidance, the kind of lift particularized is a patent lift but, on consulting with Messrs. Easton and Anderson,

The Director General  
of Stores

the

the hydraulic engineers of Southwark Street, I discovered that the water supply of the Hospital is not raised to a sufficient height in the building to work a hydraulic lift, and, as there is no prospect of its ever being higher from the town reservoirs without a special pumping apparatus, I requested Messrs. Denham, & Co., of Wigmore Street, to attach to the plan of the cooking range, a plan and specification of a small lift worked by crank power, which has the merit of simplicity, efficiency, and cheapness. On inspecting the different hospitals in London, with a view more particularly to their cooking arrangements, I find that the diets are in many, indeed I may say in most, raised by cranks or hand-power lifts, even where hydraulic lifts are in use in the same building for other purposes.

The lift of which I submit the plan will raise the food as efficiently as a hydraulic one, the weight being comparatively small,

30  
small, and, if it falls out of gear, can, by reason of its simple construction, be repaired within the resources of the country, while it is doubtful whether a hydraulic lift could in all circumstances be repaired without renewal of the damaged parts from England. Moreover the original cost of the dinner lift worked by a crank as submitted in the plan will amount to less than a quarter of the hydraulic apparatus.

The plan of the cooking range is drawn to scale in accordance with the plan of the Kitchen in which it is to be located, transmitted to me by the District Engineer, - is arranged to burn wood, and is divided into two portions for the requisite number of Europeans & Natives respectively that the Hospital can accommodate.

The small stove referred to in the specification for the use of the nurses is that known in the London trade as the "bottager". Its original cost slightly exceeds

exceeds that of the "Enchantress"; but it is recommended as being more substantial and durable than the latter which is an American manufacture of thin material, and which I am advised by Messrs. Denham & Co. would not last, nor bear the wear and tear it is likely to be subjected to.

If any further modification or information on the subject is required, I shall be happy to obtain it.

I have the honor to be,

Sir,

Your obedient servant,

(M) J. L. Paul M.D.

Surgeon Major

Madras Army

No 6

632.

Copy Report by Dr Paul, dated  
20<sup>th</sup> Febry 1875.

Referred to in Public Works Letter to  
Madras, No 5, dated 18<sup>th</sup> March 1875.  
Para: 2.

Public Works.  
No 5.

India Office. London.  
18<sup>th</sup> March - 1875.

My Lord,

1. I have received your  
Letter in this Department,  
No 33, dated 9<sup>th</sup> October, 1874.  
relative to the supply of certain  
articles required to complete the  
cooking arrangements of the  
General Hospital at Madras.

2. In accordance with your  
request, Dr Paul, the Surgeon  
of the Hospital, who is now in  
England, has been consulted as  
to the details of the apparatus  
to be furnished, and I enclose  
for your information a copy of  
a report which he has furnished  
on the subject.

\* dated 20 February, 1875

His Excellency,  
The Right Honorable,  
The Governor in Council,  
Port St George.

3. I have sanctioned the supply of the Cooking Range and appurtenances recommended by Dr. Paul. The cost will be three hundred and twelve pounds (£312).

I have the honor to be,

My Lord,

Your Lordship's most obedient  
humble Servant.

Salisbury

no 5.

Public Works

18<sup>th</sup> March 1875

No. 14 April -

The

Letter to Fort St. George

no 5.

Q1

For forwarding copy of a letter  
from Mr. Paul regarding a  
Cooking apparatus for the  
General Hospital Madras,  
and intimating that a  
Cooking range apparatus  
has been sanctioned.

G.O. No. 1089-17-4-75

With order.

G.O. No. 1089 of 17<sup>th</sup> April 1875  
Communicated to the District Engineer, Madras, who will report when  
the above and apparatus have been received.

Done

To the District Engineer, Madras  
" " Contd. to Mr. " " " " " "  
" Public Department  
No. 28-4-75

Richard Rose