

LACTIFYING AND PASTEURISING MILK BY GAS.

The Duchess of York Hospital in Manchester deals largely with dietetic cases, and finds the use of gas pre-eminently satisfactory for cooking, and particularly for two of the important processes of baby diet—the lactifying and pasteurising of milk. The old methods in use had proved very unsatisfactory and the Gas Department were approached to solve the problem. This they did in an efficient and simple manner by making a large water bath which could deal adequately with both processes.

The bath consists of a copper tank, 24 in. long by 18 in. wide by 14 in. deep and 14's gauge, with a perforated copper tray 1 in. from the bottom. The tank is contained in an outer jacket of 12's gauge sheet iron, lined with $\frac{1}{4}$ -in. asbestos sheet. A $\frac{3}{4}$ -in. space is left between the outside of the tank and the outer jacket for the circulation of the hot products of combustion, which finally escape through ventilation holes at the top of the outer jacket. It is fitted with overflow pipe, draw-off tap, thermometer pocket and lid, and is mounted on four legs welded to the outer jacket. The inside of the tank and tray are tin-plated and the outside is attractively finished in white and green enamel, with the exposed fittings chromium-plated. All pipework is hidden.

Two separate burner systems are fitted:—

1. A 1-in. bar burner with atmospheric injector running underneath the length of the tank. This burner is used only when it is required that the water be brought up to the working temperature rapidly. The maximum gas consumption is 0.27 therms per hour.
2. Four lengths of $\frac{1}{4}$ -in. wrought iron barrel, each fitted with two No. 00 Industrial jets and controlled by a separate tap, but all controlled by a common direct acting thermostat fixed to the tank. Four lighting flaps are fixed on the front.

The thermostat is graduated with two markings, one for "lactifying" (95° F.), and the other for "pasteurising" (145° F.).

The hospital authorities are completely satisfied with this bath, and find the thermostatic control and heating to be absolutely reliable. Gas consumption is very low, being approximately only 0.02 therms per hour to maintain at 145° F. Moreover, the lactifying process can be done in much less time than by the old method of hot air ovens.

THE BIRTHDAY HONOURS.

His Majesty The King has conferred many Birthday Honours upon his subjects, amongst them are the following awards to members of the Nursing Profession.

QUEEN ALEXANDRA'S ROYAL NAVAL NURSING SERVICE.

D.B.E., Military Division,

Miss D. W. Beale, R.R.C. and Bar, Matron-in-Chief.

Bar to Royal Red Cross.

Miss M. Goodrich, Principal Matron.

First Class, R.R.C.

Miss A. M. Taylor, Matron; Miss K. M. Cooper, Matron.

Second Class, A.R.R.C.

Miss E. D. Bishop, Principal Matron; Miss M. F. M. Trimble, Matron; Miss P. M. Wilkinson, Principal Matron; Miss I. K. Coleman, Senior Sister; Miss G. A. Ramsden, Nursing Sister (Res.); Miss D. E. Tope, Nursing Sister (Res.); Miss C. H. Ewens, Nursing Sister (Res.).

QUEEN ALEXANDRA'S IMPERIAL MILITARY NURSING SERVICE AND RESERVE.

Bar to Royal Red Cross.

Dame Katharine H. Jones, D.B.E., R.R.C., Matron-in-Chief.

First Class, R.R.C.

Miss N. P. de B. Bampton, Matron; Miss E. O. Clark, Matron; Miss D. Dulake, Matron; Miss I. B. Hazlett, Matron; Miss M. H. Joyce, Matron; Miss M. P. Northrop, Matron; Miss F. M. Percival, Matron; Miss E. Sanger, Matron; Miss C. F. Fraser, Matron.

Second Class, A.R.R.C.

Miss M. Ashmore, Nursing Officer; Miss M. Clark, Nursing Officer; Miss D. E. S. Conley, Sister; Miss G. N. Evans, Sister; Miss M. W. M. Glass, Matron; Miss C. J. J. Jones, Assistant Matron; Miss G. Murray, Assistant Matron; Miss H. H. Tuissant, Sister; Miss H. M. Buchanan, Sister; Miss G. Carruthers, Sister-in-Charge; Miss M. E. L. S. Clark, Sister; Miss E. A. Davies, Matron; Miss O. M. L. Davies, Sister; Miss B. H. Edwards, Sister; Miss S. S. Raeburn, Sister; Miss W. Waite, Assistant Matron; Miss J. Wilson, Sister.

TERRITORIAL ARMY NURSING SERVICE.

First Class, R.R.C.

Miss J. B. C. Orchardson, Matron; Miss A. F. Thom, Matron.

Second Class, A.R.R.C.

Miss E. Maclean, Nursing Officer; Miss E. M. Rawlins, Sister; Miss A. A. Smith, Sister; Miss J. Thomson, Sister.

PRINCESS MARY'S ROYAL AIR FORCE NURSING SERVICE.

First Class, R.R.C.

Miss M. H. Adamson, Matron; Miss E. M. Clements, Matron.

Second Class, A.R.R.C.

Miss P. Giles, Senior Sister; Miss M. R. Campbell, Acting Senior Sister; Miss M. R. Gall, Acting Senior Sister; Miss A. K. Macfie, Acting Senior Sister; Miss G. P. Taylor, Acting Senior Sister; Miss I. M. L. Barnes, Sister; Miss F. Eddy, Sister; Miss H. M. Jones, Sister.

NEW ZEALAND ARMY NURSING SERVICE.

First Class, R.R.C.

Miss E. M. Lewis, Matron.

Second Class, A.R.R.C.

Miss J. T. Sexton, Charge Sister.

SOUTH AFRICAN MILITARY NURSING SERVICE.

First Class, R.R.C.

Miss M. McL. Matheson, Matron.

EAST AFRICAN MILITARY NURSING SERVICE.

Second Class, A.R.R.C.

Miss J. W. Bannister, Nursing Officer.

Miss D. M. Field, Sister, Burma Hospital C.

KAISAR-I-HIND GOLD MEDAL.

Miss Evangeline B. Crann, Sister-in-Charge, A.R.P., Emergency Hospital, Behala, Bengal.

Bar to Gold Medal.

Miss Winifred Spicer, Matron, B.B. and C.I.R. Hospital, Ajmer, and Lady Superintendent, Lady Minto's Indian Nursing Association, Rajputana Branch.

[previous page](#)

[next page](#)