No. 400. Read the following Circular letter from Colonel W. A. CROMMELIN, R.E., Deputy Secretary to the Government of India, Public Works Department, (Military Works), to the Governments of Madras, Bombay, Bengal, North-Western Provinces, and the Punjab, in the Public Works Department; the Chief Commissioners, Oudh, Central Provinces, British Burmah, Mysore and Coorg, and Assam; the Resident at Hyderabad; the Agents of the Governor-General for Central India and Rajpootana; the Superintendent of Port Blair, and Chief Commissioner of Andaman and Nicobar Islands; the Inspector-General of Military Works, dated Fort William, 13th March 1875, No. 29 P. W.:—

I AM directed to communicate, for general information and guidance, the following notes relating to alterations and improvements of the standard design of ovens for bakeries issued with Public Works Department Circular No. 117, dated 19th December 1867:—

OVENS.

I.—Corners connecting ovens and furnaces should be rounded off.

II.—Space from front of ovens to outer wall to be 11 feet wide.

III.—Ovens should be lined with fire-bricks.

IV.—Two doors per oven preferable to one, but they must be made to fit perfectly, and should be furnished with latches.

V.—Horizontal dampers are thought preferable to vertical dampers. They should be set in solid frames, so that if the masonry settles it may not press on the dampers.

VI.—Ovens should be in pairs with a furnace between them.

VII.—Ovens should be 2 feet 9 inches high.

VIII.—Front wall of oven to be raised, and 9 or 12 inches sand laid on the top of oven to retain heat.

IX.—Arch under oven nearest to furnace to be reduced, so as to give a thicker abutment.

OVEN CHIMNEYS.

X.—It is thought desirable that each oven should have a separate chimney flue.

XI.—Chimneys may be 25 feet high, or as much as may be found to be necessary to secure good draft of air.

XII.—Chimney flue not to be less than 12″ × 9″.

XIII.—Chimneys may be detached from walls of building.

XIV.—Chimney flues may be either square or rectangular. Round flues are unnecessary and expensive.

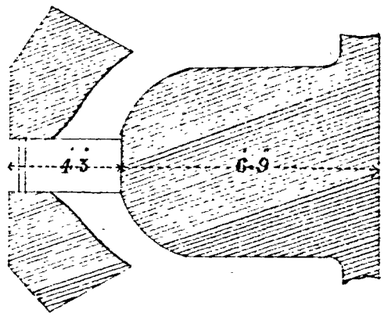
FURNACES.

XV.—Furnace damper necessary, as well as the one in chimney.

XVI.—Furnaces would probably be better if reduced from 5′ × 3′ in standard design to about 4′ × 3′.

XVII.—Furnace gratings should be on a level with damper holes.

Proceedings of the Madras Government, Public Works Department,
16th April 1875.



XVIII.—Furnaces should be lined with fire-bricks.

XIX.—Furnace should not project beyon d front wall of ovens.

XX.—Passage from furnace to ovens to be as near the front of ovens as possible, and rounded, *vide* margin.

XXI.—Furnace doors should have latches.

XXII.—Ash-pits to be provided with doors; ash-pits need not be so large as those shown in standard plan.

No. 401. ORDER THEREON, 16th April 1875, No. 1,052.

MILITARY WORKS, No. 6.

COMMUNICATED to the Military Department and to District Engineers concerned for information and guidance in continuation of G. O., No. 220, dated 21st January 1868.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the Military Department.
,, District Engineer, Presidency.
,, Superintending Engineer, Bellary.
,, ,, Chingleput.
,, District Engineer, Bangalore.
,, ,, Trichinopoly.
,, ,, Malabar.
,, ,, Nailghurries.

Erd. S. T. Austin.

Spare Copies

To the Brig. Genl. Bl. Engr. Genl. Chief Engr. Presidency Div. Chief Engr. Bellary Div. Chief Engr. Chingleput Div. Executive Engr. Nilgherries Brigd. - 19-4-75

Communicated to the Military Department and to District Engineers concerned for information and guidance in continuation of G. O. No. 220 dated 21st January 1868.

Engr. Bangalore 220 Salem 220

Cir. 11.10 Mlitary 220.2141.

GOVERNMENT OF INDIA.

PUBLIC WORKS DEPARTMENT.

MILITARY WORKS.

To

THE GOVERNMENTS OF MADRAS, BOMBAY, BENGAL, NORTH WESTERN PROVINCES, AND THE PUNJAB, IN THE PUBLIC WORKS DEPARTMENT.

THE CHIEF COMMISSIONERS, OUDH, CENTRAL PROVINCES, BRITISH BURMAH, MYSORE AND COORG, AND ASSAM.

THE RESIDENT AT HYDERABAD.

THE AGENTS OF THE GOVERNOR GENERAL FOR CENTRAL INDIA AND RAJPOOTANA.

THE SUPERINTENDENT OF PORT BLAIR, AND CHIEF COMMISSIONER OF THE ANDAMAN AND NICOBAR ISLANDS.

THE INSPECTOR GENERAL OF MILITARY WORKS.

CIRCULAR No. 29 PUBLIC WORKS.

Dated March 13, 1875.

Received 22nd ult.

G.O.No.1052. 16.4.75

Alterations and improvements in standard design of ovens for bakeries.

P. W. D. Press—15-3-75—600.

17. 2141 ✓

Govt. of {1875} Madras.

PUBLIC WORKS.

To Military Dept.

Dated

Recd. Encl.

G. O. April 1875, No. 1052

Nos. 400-407.

Standard designs of Ovens for Bakeries - Circular from the Govt of India communicating rules relating to alterations & improvements of the —, and to the Mily Dept & the Govts concerned.