

MODERN FACTORY CONSTRUCTION.

(See also under "Cementine Construction.")

This term implies the use of steel frame for floor, roof and walls, and Expanded Metal and concrete systems in connection therewith—a combination notable for simplicity, ease of erection irrespective of difficulties due to site, incombustibility as to materials used, great strength and permanent result. In no other line of Expanded Metal operations has success been more signal, or popularity more readily won.

Economy and durability alone suffice to assert, and re-assert, its merit in factories for wet processes; in print works, bleacheries, dye works, paper mills and others; in concerns in which buildings constructed of wood, etc., are subject to rapid deterioration. These buildings can be put up on brick, stone, or concrete piers, covered in and roofed with suitable outer covering, with floors of cinder concrete (guaranteed to carry any required load) and treated in granolithic or other

finish. We claim that our estimates will show a *handsome reduction on the cost* of the usual construction.

Expanded Metal and concrete present the ideal roof. Any form of covering—slate, tile, asbestos, etc.,—is readily adaptable, from the fact that nails may be driven without difficulty in cinder concrete, while it is but a few weeks old.

Skylights, ventilators, gutters of any form, offer no difficulty of treatment, being modelled in simultaneously with the roof itself. The average roof is 2½ in. or 3 in. thick, bearing on purlins 8 ft. between centres. For roofing reservoirs, tanks, etc., spans up to 100 feet can be treated advantageously by our light system. Old Country examples of this use being in connection with the Accrington, East London, Dyce, New River, Worthing and Wrexham Water Companies, and the Nottingham sewage tanks.



SPECIAL LINES OF UTILITY.

The resourcefulness of architects, etc., evolves new and legitimate uses for concrete and embedded Expanded Metal daily. We lack space except for bare enumeration of a few of these:

COVERING HOT AIR DUCTS,
FIREPROOF SMOKE STACKS,
BOILER COVERING,
COKE OVENS,
BRICK-BURNING KILNS,
WALL COPING,
FIRE WALLS,
STAIRS AND STEPS,
PUBLIC BATHROOMS,

LAVATORY PARTITIONS,
SCHOOL BLACKBOARDS,
THEATRE PROSCENIUMS,
STORAGE ROOMS AND VAULTS IN NON-FIREPROOF STRUCTURES,
HEAVY WAREHOUSE FLOORS WITHOUT USE OF BEAMS,
ROUND HOUSES,
ELEVATORS,
TANKS, VATS,
RETORT HOUSES,

THEATRE SEATS AND RISERS,
EXTERIOR CORNICES, ETC.,
BALCONIES,
GABLES AND TOWERS,
BAYS,
PIAZZAS AND COLUMNS,
STATUARY,
FOUNTAINS,
ETC., ETC., ETC.

