

COTTAM & HALLEN,

**Engineers, Ironfounders, Smiths, & Agricultural
Implement Makers,**

2, WINSLEY STREET, OXFORD STREET,

Furnishing and General Ironmongers,

76, OXFORD STREET,

THREE DOORS WEST OF THE PRINCESS'S THEATRE;

*Manufacturers of every Description of Horticultural and Agricultural Machinery,
Cranes, Water Wheels, Steam Engines, Sugar Mills, Hydraulic Presses,
Threshing Machines, Ploughs, Harrows, Liquid Manure Pumps,
Drain-Tile Machines, Ornamental Entrance Gates, Fencing,
Hurdles, Iron Conservatories, and Greenhouses.*

Dr. Guy's Transparent Dispersing Ventilator.

This Invention combines the following important advantages:— it prevents Drafts; it does not obstruct the Light; may be made to assume a great variety of ornamental forms, so as to adapt it to any style of architecture; may be easily fixed, removed, and cleaned; and it arrests the larger particles of smoke and dust floating in the air of large towns. It is particularly recommended for Bed-rooms, especially such as are without chimneys; and for all close, hot, and confined Buildings and Apartments, where it is desired to avoid Drafts of Air.

THE "EXPEDIENT."— A Stomach-warmer with which 300 degrees of heat may be obtained, without the aid of fire, in two minutes, and sustained for several hours.

SMITH'S CHLORINE GAS GENERATOR—for producing a constant stream of Chlorine Gas for Disinfecting Purposes.

A Newly-invented and Cheap Liquid Manure Pump

That will disperse Liquid, by the power of one man, through a hose fifty to sixty yards in length, jetting the Fluid ten to fifteen feet high; it will also raise Water to the height of from thirty to forty feet. The Pump is portable, on a Stand, which, if required, could be supplied with Wheels, and is conveniently made for filling Carts, or emptying them, and spreading the Water or Manure at the same operation.

PATENT HOSE, of all Sizes, with Union Joints, Cocks,
and Spreaders for Liquid Manure.

IRON LIQUID MANURE CARTS, at very reduced Prices, either with Iron or
Patent Wooden Wheels.

DRAIN-TILE MACHINES.

DRAINING TOOLS OF IMPROVED CONSTRUCTION.

Hot Water Apparatus

For Warming Public Buildings, Conservatories, Halls, Libraries, Workshops, &c. &c.,
(the principle carried out in connexion with the most approved System of Ventilation.)

POLINAISE STOVES.—HOT-AIR DITTO.

VENTILATORS FOR EXTERNAL WALLS.

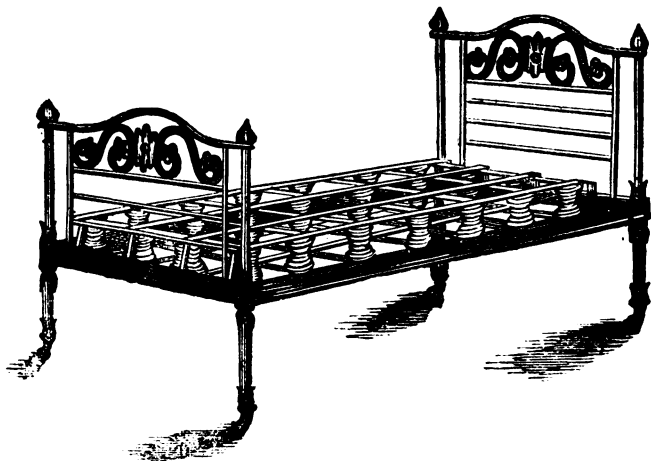
AIR BRICKS.

ARNOTT'S, VENTILATING VALVE.

STENCH TRAPS, for preventing Foul Air from issuing from Drains in and near
Dwelling-houses and other Buildings.

HOT, COLD, SPONGE, SITZ, AND EVERY OTHER DESCRIPTION OF BATH.

COTTAM & HALLEN,
76, OXFORD STREET,
(Three Doors West of the Princess's Theatre,) London.



THE RHEIOCLINE, OR PATENT SPRING BEDSTEAD.

(Softness without Heat, Equable Support, Quiet Sleep, & Improved Health.)

ECONOMY IN BEDDING.—The RHEIOCLINE, or PATENT SPRING BEDSTEAD, is so constructed that much less bedding is required with it than with any other for the necessary ease and comfort in sleeping. The elastic bottom affords a surface in itself so soft as to need the bedding for little else than for the sake of warmth; hence, softness not being dependant on the bedding, persons may lie with comfort, and also without the enervating effects of heat,—desiderata obtained by no other means.

CLEANLINESS, AND FREEDOM FROM VERMIN.—The small quantity of bedding used is easily removed for airing, cleaning, or shaking. This is not so readily done with the heavy and cumbrous mattresses and palliasses now in use; and from the circumstance of the spring or elastic bottom being made entirely of iron, taken along with the readiness with which all the parts are got at, it will be found secure against vermin.

VENTILATION, AND SECURITY AGAINST CONTAGION.—Moreover, from its peculiar construction, the ventilation (or free access of air) to the under-side of the bedding carries off the perspiration, which otherwise remains and becomes condensed in the mattresses, &c. This supplies a considerable degree of security against contagion.

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