LIME FROM INDIAN SHELL BANKS—No. 2.
Sand, 2.00 per cent
Lime as phosphate
Clay and iron,
LIME FROM INDIAN SHELL BANKS—No. 3.
Sānd, 6 25 per cent
Oray and from,
Lime as carbonate, i. e., air-slaked
N. B. The numbers 1. 9. 2. or 1
N. B. The numbers 1, 2, 3, affixed to the "Lime from Indian Shell Banks," "Schuylkill Lime," and "Susquehanna Lime," only denote the order in which they were examined.
NORTH RIVER LIME.
Specimens obtained from Worcester county.
Water, 7.00 per cent
~ and, cray and non,
Magnesia
magnesia,
GAS HOUSE LIME—NO. 1.
Water and free sulphur, 9.20 per cent.
$\alpha_{\text{nu}}, \ldots, \alpha_{\text{nu}}, \ldots, \alpha_{\text{nu}}$
Clay and iron,
Lime as sulphate, i. e., gypsum,
Lime as phosphate,
GAS HOUSE LIME—NO. 2.
This specimen had been exposed to rain.
Sand, 6.00 percent
parpriar, (ree,)
water,
Lime as carbonate,
Lime as sulphate, (gypsum,)
Gas house lime is obtained from oyster shells, and is used to leanse the carburetted hydrogen, (the gas used for light) from

Gas house lime is obtained from oyster shells, and is used to cleanse the carburetted hydrogen, (the gas used for light,) from sulphuretted hydrogen, (that which is easily recognized by its smell, in the neighborhood of the gas house.) This lime always contains a portion of sulphuretted hydrogen, depending on the quantity of sulphur in the coal from which the gas is made.

When exposed to the atmosphere, the sulphuretted hydrogen, (hydro-sulphuric acid,) loses one of its elements, and becomes converted into sulphur. The sulphur thus formed, by further exposure to the air becomes changed into sulphurous acid, and whilst