

THE BROOKLYN (N. Y.) HEALTH EXHIBITION.

THE report of this Exhibition, held under the auspices of the American Public Health Association, which held its seventeenth annual session in Brooklyn in October last, has just been issued by the special committee. It was the first exhibition of sanitary goods and appliances ever held on this continent. Eighty exhibits were made, some including a large number of articles. On the committee of award were men of such world-wide reputation as Drs. Stephen Smith, and A. L. Gihon.

The following notes of a few of the articles exhibited will doubtless be of interest to our readers :

INDURATED FIBRE BATH-TUB.—The material from which this tub is made is the same as that which has been used for several years for making pails and other household utensils. For this most recent adaptation the fibre is said to be hardened by subjecting it to a high temperature and thereby made more durable. The outside of the tub in baking is given a rosewood or any other desirable color, or finished in white enamel corresponding with porcelain ; the common inside finish tinted or otherwise. It is represented to be better and cheaper than any other "first-class" tub when finished and set in position, because no expense is incurred for casing or other outside finish. Huber & Co., 81 Beekman street, N. Y.

JOSEPH GUY'S CORONET WATER CLOSET—"A water-closet suitable for schools, yards and public buildings and free from such objectionable features as clogging, freezing and disagreeable odors." It comprises a system of supply and waste-pipes and a series of closets connected therewith with the usual appurtenances, traps and trap-vent connections. Joseph Guy, 304 Mont street, New York.

MINNESOTA AUTOMATIC SEWER FLUSHER—An apparatus designed and adapted to produce a forcible and sudden dash of a large quantity of water through the sewer, thus to remove any accumulation of heavy matter therein contained. It has been ef-

fectually used at Minneapolis, and is endorsed by the health authorities of that city.

"FIRE ON THE HEARTH."—a design of an open stove which has been on the market for several years, and is highly approved of by many who have used it. The Editor of this JOURNAL has had one of these stoves in pretty constant use in his house for several years, and is very much pleased with it. It is an economical and very pleasant heater. Also by the same exhibitors.

RICHARDSON'S DUPLEX RANGE.—The only double-oven range ever manufactured and successfully used to roast and broil in a perfectly ventilated oven before an open grate fire." Richardson & Morgan Co., 92 Beekman St., New York.

THE "BACKUS" PATENT PORTABLE, OPEN REFLECTING AND STEAM RADIATING HEATER BY OIL OR GAS COJOINED WITH STEAM. The special peculiarity in the construction of this heater is the utilization of water to absorb the mephitic emanations from burning gas or oil, and to supply moisture to the otherwise excessively dry air of rooms so heated. The opening or fire place is occupied by an iron log, partially covered with flakes of asbestos, giving it the appearance of burning wood. The arrangement of the gas jets, which are exceedingly small, together with a current of air and evaporation of the water contained in a receptacle at the base is such as to greatly intensify the heat of the log, promote the complete combustion of the gas, and supply moisture to the apartment. The upper and larger hall, nearly sixty feet square, and fourteen feet height of ceiling occupied by the exhibition, was effectually heated by three of these heaters during the month of November without any noticeable odor or other deleterious effect of the atmosphere. 22 Park Place, New York.

THE "ENGLE FIRE-CLOSET."—For the destruction of filth and obnoxious substances connected with dwellings, schools, hotels, hospitals, jails, court-houses, public build-