

addition, they raised 370,000 cwt. of fire-clay. Employ 345 workmen and 4 steam-engines.

STEINBERGER GEWERKSCHAFT, *Grossalmerode bei Cassel, Deutsches, Reiches*, exhibited fire-brick and slabs for blast-furnaces. The production of this company in 1871 was 35,000 cwt. of clay and 54,000 cwt. of fire-brick, worth 30,500 thalers. One hundred and thirty-one workmen, and two steam-engines. The samples of tuyeres for Bessemer converters appeared to be excellent in quality. The largest, with nine holes, were 20 inches long and 5 inches in diameter at the small end.

SMAL-SMAL & Co., à *Andennes (province de Namur), Belgium*, exhibited fire-brick and flags for the hearths and crucibles of blast-furnaces and for a furnace complete; also, bricks specially adapted to the needs of steel-works, glass-works, and zinc-works. The blast-furnace brick were specially interesting, and they are supplied at the following rates per ton (1,000 kilogrammes), loaded upon cars at Andennes:—

Bricks for the hearth and crucible,	75 francs.
“ “ boshes, . . .	65 “
“ “ interior lining, .	55 “
“ “ outer casing, .	50 “
“ “ a furnace complete,	65 “

Slabs or tiles, for the bottoms of soda-furnaces, are supplied at 80 francs, and other fire-brick, for steel-works, glass-works, puddling furnaces, etc., at 40 francs the ton (about \$8 gold). Crude and calcined clay, for the use of glass and zinc works, is sold at from 14 to 28 francs the ton.

SOCIÉTÉ ANONYME DES TERRES PLASTIQUES ET PRODUITS REFRACTAIRES, *d'Andennes, lez-Namur*. *Directeur gérant*: M. FRANCOIS BERTRAND.—This establishment made an extensive display of retorts, cylinders, and of bricks for condensation chimneys for acid works; bricks for Siemen's furnaces, Bessemer converters and high furnaces. The following is a short description of some of the principal objects, with the prices per piece, or per ton:—