

Montgomery and Sansom Streets. These works, although established but a short time, have shown the great economy in sawing and polishing stone by steam as compared with hand labor, and promises to do more to develop the numerous deposits of marble in the State than all other means combined. The works are run by a fifteen horse power engine, which drives a gang of 20 saws, besides polishing wheels, and employs 30 men. The Pioneer Steam Marble Works were at first formed by a number of firms engaged in the marble trade, who combined together for purposes of economy in labor, etc. At present the works are owned by M. Heverin, who continues the business as vigorously as his predecessors. The most of the marble sawn at these works is obtained in California, clouded white and grey marble coming from Indian Diggings, El Dorado county, a very nearly white variety from Drytown, Amador county, and Columbia, Tuolumne county, and a fine mottled or variegated black marble from near Colfax in Placer county. Mantels made of the last named variety of marble were exhibited by Mr. Heverin at the late Mechanics' Fair, where they attracted much and very favorable attention.

**SUGAR REFINERIES.**—The only sugar refineries in the State are located in this city. They are of large capacity and perfect machinery, making varieties of refined sugar and syrup equal to the best imported. During the past year the supplies of raw sugar for refining have been obtained mostly from the Sandwich Islands, the balance coming from Manila and Peru. There are three refineries in this city, viz: San Francisco and Pacific, Bay, and California.

The largest and first established is the San Francisco and Pacific Sugar Refineries (combined in one,) which is located on Harrison and Eighth Streets. This has sufficient manufacturing capacity to refine 36,000,000 pounds raw sugar per annum, which is equal to the entire wants of the Pacific Coast. The quality of sugars and syrups made at this refinery is unexceptionable, large quantities of crushed sugar being exported to foreign markets as well as supplying in large part the home demand.

The Bay Sugar Refinery is located at the corner of Battery and Union Streets adjoining the Bay. During the past year very little refining has been done at this establishment, owing to its being leased to the San Francisco and Pacific Sugar Refinery. The establishment, however, is maintained in complete working order, ready to commence refining at a week's notice, should the demand of the trade require its production. The capacity of the works is equal to refining 9,000,000 pounds raw sugar per annum. At this refinery during the past year experiments made by Mr. Claus Spreckels were successful in the production of sugar from beets, the article made being of excellent quality, and the entire result satisfactory as to the profitable cultivation of beet for sugar-making purposes.

The California Sugar Refinery is the best built and is the smallest of the three, its capacity under the old system being equal to refining about 8,000,000 pounds raw sugar yearly. It has, however, lately adopted a new patented system of refining, which produces sugar in less than half the time necessary under the old practice. The sugar is produced in slabs, is of extra quality, and at the late Mechanics' Institute, in connection with syrups from the same refinery, was awarded a silver medal in competition with the products of the San Francisco and Pacific Sugar Refineries. The works are located at the corner of Eighth and Brannan Streets.

**BRUSHES.**—The manufacture of brushes for almost all domestic purposes is increasing in California, the work of the establishments in this city enjoying a high reputation and interfering seriously with importations. The bristles used are procured in large part from our local slaughtering establish-

ments, which, although not supplying the finer sorts, still furnish all of that article required for the medium and common grade goods. In addition to bristles, quite a large quantity of the fibre of the soap root is also used either mixed in or in its pure state to make brushes, the fibre possessing a great advantage over other materials from its stiffness and elasticity after long use with water. Messrs. Feldmann & Co., manufacture largely all kinds of brushes and made a very full and large exhibit of their goods in the late Mechanics' Fair. Messrs. Feejer also made a very creditable exhibition which for their merit received the highest award.

**MACCARONI AND PASTE.**—The manufacturers of edible paste in this city, now supply the entire wants of the Pacific Coast to the exclusion of importations. The quality of the domestic made article is fully equal to that of the best made in France and Italy with the additional recommendations of freshness and freedom from mustiness and staleness so common in importations. The peculiar variety of wheat which makes the best paste is grown around the Bay, manufacturers of paste supplying the necessary seed to farmers and engaging their crops at fixed prices at time of planting. The principal manufactory is that of Messrs. Brignardello, Macchiavello & Co., located on Sansom near Jackson Street. This firm, besides supplying in large part the domestic demand, also export in considerable quantities to Mexico, British Columbia and other foreign markets, where their brand is well and favorably known. The exhibit made by this firm at the late Mechanics' Fair was both large and meritorious, it receiving the highest award. Messrs. Ravenna, Ghirardelli & Co., of this city, also manufacture edible paste in large quantities of excellent quality.

**YEAST POWDERS.**—The manufacture of yeast powders is a most important one among our minor industries. The peculiarity of the location of mining camps and the agricultural population in California early made a great demand for yeast powders, immense importations of which were received from the Atlantic States. The demand for this article which sold at highly profitable prices caused a comparatively large export of treasure and as a result attempts at home manufacture. Among others, the firm of Donnelly & Co., were the first to be successful in meeting the demands of the market. This firm still continues as leading manufacturers of yeast powders, as well as preparing large quantities of cream of tartar and bi-carbonate of soda.

W. M. Boyd, has also manufactured yeast powders to a considerable extent, which for their superior quality received the highest award at the late Mechanics' Fair.

**MUSTARD.**—The production of mustard early attracted attention in California, where a black variety is indigenous, and in some portions of the State is produced in immense quantities. This native mustard possesses remarkable pungent qualities, being much superior in that respect to all other varieties that are cultivated. For medicinal uses it is esteemed more than any other on account of its superior strength. It is now in general use in the hospitals of the Pacific Coast, and has been used largely in the Eastern States in similar places. The exports to New York amount to thousands of sacks annually; and in view of the growing demand there and the rapid settlement of the southern portion of the State, the shipping of mustard promises to attain very large proportions. Besides the native or black variety, other varieties of mustard are cultivated with great success, the domestic article being highly valued and completely stopping importations from Europe.

**GOLD AND SILVER WARE AND JEWELRY.**—The manufacturers of precious metals and jewelry have