

Manufactures.

The following exhibit of the manufacturing industries of San Francisco has been compiled principally from the report of A. Badlam, Esq., County Assessor, for the year 1877:

AMALGAMATING PAN MANUFACTORY, 1.—Men employed, thirteen; pans made, forty-five; horse power of steam engine, six; value of manufactures, \$20,000.

ARTIFICIAL STONE MANUFACTORIES, 3.—Men employed, twenty-five; value of manufactures, \$100,000.

AXLE GREASE MANUFACTORY, 1.—Men employed, seven; value of manufactures, \$35,000.

BARREL MANUFACTORY, 1.—Men employed, one hundred; barrels, half-barrels, and kegs made annually, two hundred and sixty thousand; horse power of steam engines, sixty; barrels made by sugar refineries, fifty-eight thousand; syrup kegs made by tub and pail factories, ten thousand; value of manufacture, \$150,000.

BAG MANUFACTORIES, 5.—Men employed, two hundred; value of manufactures, \$1,900,000.

BED-SPRING MANUFACTORIES, 4.—Men employed, thirty; copper wire used, tons, five hundred; value of manufactures, \$150,000.

BEDDING MANUFACTORIES, 7.—Persons employed, three hundred; value of manufactures, \$750,000.

BEDSTEAD MANUFACTORIES, 5.—Men employed, two hundred and twenty-five; lumber consumed annually, feet, three hundred thousand; value of manufactures, \$100,000.

BELLOWS MANUFACTORIES, 2.—Men employed, ten; bellows manufactured, one thousand five hundred; value of manufactures, \$25,000.

BILLIARD TABLE MANUFACTORIES, 5.—Men employed, thirty; billiard tables manufactured, two hundred and forty; value of manufactures, \$60,000.

BOOT AND SHOE MANUFACTORIES.—There are fifty-six boot and shoe manufactories in the city, of which twenty-five are operated by Chinese. This branch of industry is now firmly established, and the active, enterprising spirit of our manufacturers have demonstrated that in style and quality California-made boots and shoes surpass anything we can obtain from the East, and our home-made goods find a ready market in all the adjoining and neighboring States and Territories, and were it not for the difference in currency we might successfully compete even with New England for the trade of the West. The support of this great local interest, the products of which are always trodden under foot, gives employment to nearly five thousand hands, including all classes, male and female, white and Chinese workers, the value of whose productions amounts in the aggregate to fully \$3,000,000. During the past year, however, in consequence of the agitation of the labor question in connection with that of Chinese employment, manufacturers have been timid in their ventures, and Eastern goods have taken that lead in the trade which neither their quality or value should command. In addition to the larger establishments, there are four hundred and fifty persons, many of whom employ extra hands, engaged in the manufacture of boots and shoes on a smaller scale.

BORAX WORKS, 3.—Men employed, one hundred and fifteen; value of manufactures, \$630,000.

BOX MANUFACTORIES, 12.—Men employed, four hundred; horse power of steam engines, four hundred; value of manufactures, \$1,200,000.

BRASS FOUNDRIES, 9.—Men employed, three hundred; value of manufactures, \$800,000.

BREWERIES.—There are thirty-five breweries in this city, producing an aggregate for the year 1876-7 of three hundred thousand barrels, valued at \$2,000,000, upon which an Internal Revenue tax of one dollar per barrel was paid. Number of men employed, five hundred.

BROOM AND BROOM HANDLE MANUFACTORIES, 9.—Men employed, one hundred and six; brooms made annually, dozens, seventy-five thousand; value of manufactures, \$150,000.

BRUSH MANUFACTORIES, 4.—Men employed, twenty; value of manufactures, \$50,000.

CANDLE MANUFACTORIES, 6.—Men employed, seventy-five; candles manufactured, boxes, two hundred thousand; value of manufactures, \$600,000.

CARRIAGE AND WAGON MANUFACTORIES, 36.—Men employed, seven hundred; carriages, wagons, etc., made annually, three thousand; railroad cars made annually, two hundred; horse-power of steam engines, two hundred; value of manufactures, \$2,000,000.

CARRIAGE SPRING MANUFACTORY, 1.—Men employed, fifteen; springs made, tons, one hundred; value of manufactures, \$50,000.

CEMENT PIPE MANUFACTORIES, 2.—Men employed, one hundred and fifteen; value of manufactures, \$300,000.

CHEMICAL WORKS, 2.—Men employed, seventy-two; nitrate of soda used, tons, eighteen hundred; sulphur used, tons, twenty-three hundred; sulphuric and nitric acid used, tons, four thousand five hundred; sulphate of copper made, tons, two hundred; value of products, \$600,000.

CIGAR MANUFACTORIES.—There are two hundred cigar manufactories in this city, of which seventy-five are owned and worked exclusively by Chinese. The latter manufactories aggregate about one thousand five hundred employes. The other one hundred and twenty-five, operated by white men, mainly employ Chinese labor—estimated number, two thousand five hundred. About one hundred of these latter factories are small establishments, and employ from five to