

merged into a joint stock corporation with a capital of \$500,000, of which Mr. McLennan, the original projector of the enterprise, is the President, and who superintends the operations of the manufactory in person. The goods manufactured by these mills, consisting of blankets, heavy army and navy and other cloths, cassimeres, tweeds, cloakings, flannels and traveling shawls, bear a high reputation both at home and abroad, fairly competing with the best foreign fabrics. During the war the manufactures of these mills were largely used to fill contracts for army clothing, and bore away the palm on account of the superior quality of the material and excellent wearing properties. A large portion of the State Militia have also been supplied with clothing from these mills, as well as the Spanish and Russian fleets when visiting the port some years since. In common with the manufactures of the other mills, their blankets and flannels have almost driven imported goods out of this market. The demand for their manufactures has been so great that the mills have been run night and day almost since the time of their erection. In order that California manufactures might be properly represented at the World's Fair at Paris, the enterprising proprietors of the Mission Mills forwarded for exhibition, specimens of the various styles of goods manufactured by them. By telegraph dispatch overland we have since learned that the medal for blankets and flannels on exhibition at Paris, was awarded to the manufactures of these mills. During their running they have produced a greater variety of woollen manufactures than any other establishment, their only public exhibit at the Fair of the Mechanics' Institute in this city, in 1864, being the finest and most varied ever shown on this coast. Among other goods then shown were two pieces of first class three-ply carpet made by them, which were the first and only goods of their kind ever manufactured in the Pacific States. During the last six months the main building of the mills has been much enlarged by the extension of upper and lower stories, which now has a frontage on Folsom Street of 362 feet. The Mission Mills, in 1866, constantly employed 425 hands, using two engines of the aggregate of 150-horse power, driving 11 sets cards, 6 mules and 13 jacks, 50 looms and 5,000 spindles. During the same time they manufactured 80,000 pairs blankets, 125,000 yards broad-cloths, tweeds and cassimeres, and 500,000 yards flannels and cloakings, besides a quantity of shawls, the whole consuming 2,000,000 pounds of wool.

KNIT WOOLEN GOODS.—The only manufactory of knit woollen goods on this coast is that of the Pacific Woollen Mills of this city. These are located on Folsom, between Eighteenth and Nineteenth Streets, and occupy about two acres of ground. The main building is of brick, three and a half stories high, 116 feet long by 60 feet wide, with a one-story brick engine and boiler rooms, and blacksmith shops adjoining. Though completed in 1866, the machinery of these mills was not actively employed until June, 1867, when the manufacture of a variety of qualities of knit undershirts, drawers, hose and half hose was engaged in. The machinery, which is of the latest and most improved kinds, intended to economize human labor, consists of 4 sets wool cards, 1 mammoth or double set cards, and 2 self-cleaning cotton cards, (the last two kinds being the only ones of their style on this coast) 4 mules, 1,800 spindles, 6 shirt, 4 drawers, 15 single and 2 compound (equal to 12 single each) stockings, and 3 sets winding machines, all being driven by a 100-horse power engine, with fly wheel of 16 feet diameter and weighing 9 tons. The works are run 11 hours per day at present, and manufacture 100 dozen hose and half-hose, and 50 dozen shirts and drawers daily. The working force consists of 24 women and girls, 24 white men and 42 Chinese employed in the buildings, and between 250 and 300 women and girls

who do piece work at their own homes. Additional sets of improved cards are now on their way from the Atlantic States and Europe, which, with still finer knitting machinery than is now in use, will probably be set up and running by the first of October next. Although the manufacture of the very finest goods has not as yet been engaged in, still the varieties already made are in many respects superior to the same grades of goods imported. When the mill is fully supplied with machinery, it is intended to manufacture as fine grades of goods as the best that are imported, which it is believed can be done at prices that will monopolize this market to the exclusion of foreign manufactures. The originator of this valuable enterprise is James Roberts, for six years past Superintendent of the Mission Woollen Mills. The capital stock of the Pacific Woollen Mills is \$400,000. The works are under the management of James Roberts, while Thomas Stapleton (late from the Atlantic States) is Superintendent, and Lazard Frères, of this city, are agents. The manufacture of knit goods requires the finest quality of wool, of which over 500,000 pounds has been secured this season for the purpose.

A small manufactory for knit goods, belonging to Messrs. Sharp & Goldstein, was put in operation, at the corner of Turk and Pierce Streets, in August, 1866. The mill run for several months, but was totally destroyed by fire before any large amount of goods was manufactured. So far as we can learn, no steps have been taken to rebuild it, and it can now be properly considered an abandoned enterprise.

COTTON WADDING.—Mills for the manufacture of cotton wadding, batting, etc., combining all the later improvements in this department, including recent patents, were erected by I. C. Mayer & Son, the present proprietors, on the south side of Turk, between Scott and Pierce Streets, in this city. Wadding is made single or double glazed, and of any desired weight to suit the requirement of the market, and batting can also be furnished to order, either for the use of tailors and other manufacturers, or for surgical purposes. About 35 bales, or 1,000 pounds of wadding, and the same of batting, can be made each day. The workmen, about 30 in number, who are engaged for a term of years, and reside on the premises, are from some of the leading Eastern manufactories. The cotton used is mainly imported from Tahiti and Mexican ports. The office of these mills is at 224 Sanson Street, over the Bank of British Columbia.

CORDAGE.—The only establishment in this department is the Pacific Cordage Manufactory, located at the Potrero, and owned by Messrs. Tabbs & Co. It was established in 1856, since which time it has been in successful operation, there being a constant demand for the articles produced. During the past year the works have been much enlarged with additions of new machinery, so that the largest sized hawsers can be manufactured as well as ordinary cordage. At the present time it has a manufacturing capacity of 3,500,000 pounds hemp, and during the year 1866 has turned out 2,000,000 pounds cordage, equal in quality to the best imported. The rope-walk is 1,500 feet long, and the building comprising the spinning machinery 100 feet long by 40 feet in width. The machinery is driven by a steam engine of 150-horse power, and the works employ 47 men constantly.

ASSAYING ESTABLISHMENTS.—There are several extensive establishments for the refining of gold and silver located in this city. The works of the San Francisco Assaying and Refining Co., on Brannan St., and the Pacific Gold and Silver Refinery, located near the Mission Dolores, occupy a prominent position. Messrs. Hentsch & Berton, G. E. Rogers, Richman, Hemme & Co., are also engaged in the same business,