less, and from that rate to \$100 per acre for farming land near the large towns. Of the large amount claimed or owned by private individuals, there were, according to the Report of the State Surveyor-General for the year 1873, only 4,833,532 acres enclosed, and but 2,477,012 under cultivation. Of these 1,739,668 were cultivated in wheat, producing 25,089,667 bushels.

The lands granted to the different railroad companies as subsidies in aid of construction comprise several thousand square miles, of which large quantities have been sold at prices avoraging about five dollars per acre. These lands are sold on a credit of five years, a nayment of twenty per cent. being made at the time of purchase, with interest on all sums remaining unpaid. The railroad companies claim the policy of selling their agricultural lands at low rates, on easy terms and in limited quantities to those who will cultivate the soil and who will own the land they cultivate.

From the amount and quality of land presented as agricultural, a faint estimate can be made of the population the State will sustain. With reclamation of the low lands and irrigation of the dry, we have shown the products exceed that of almost any known country. Add to these the manufacturing facilities afforded by the rapidly falling streams of the mountains or by the abundance of cheap coal found and developing, and to these add the wealth of minerals never known before, and then the grandest forests humanity ever beheld, and none can conceive the wealth that may be produced or the myriads of people that may be maintained.

WHEAT.—The leading agricultural product of the State, as well as of all countries capable of the pro-

developing, and to these add the wealth of minerals never known before, and then the grandest forests humanity over beheld, and none can conceive the wealth that may be produced or the myriads of people that may be maintained.

When The leading agricultural product of the State, as well as of all countries capable of the production, is wheat, the staff of life and the ancient basis of values. The California farmer having learned that the aumenc-tracked soil of the great valleys would product wheat in greater quantities than he had been accustomed to gather on the prairies of the West, and that the long droughts which he had thought be accustomed to gather on the prairies of the West, and that the long droughts which he had thought be accustomed to gather on the prairies of the West, and that the long droughts which he had thought to the raising of this cereal until the crop materially affects the markets of the world. In the crop year ending June 30th, 1873, there were produced 12,675,470 centals of wheat, from 2,031,20 acres, and in 1874, 19,891,800 centals from 2,490,700 acres, a general average of about fourteen bushels per acre. The average was much reduced by the drought which affected the west side of the San Joaquin 7200,302 acres, and in 1874, 19,891,800 centals from 2,490,700 acres, a general average of about fourteen bushels per acre. The average acre, the larger farms generally a less rate than the small ones. The counties producing over a million centals were: Colusa, 1,700,000; Santa Clara, 1,300,000; Monterey, 1,632,000; and Merced, 2,490,000. This royal grain is grown in every section of the State, and at every altitude, from San Diego at the south, to Siskiyou at the north, and from the sea coast to the high plateaus of the Scaramento, San Joaquin and Salinas the traveler may pass for miles and miles, almost a valleys of the Sacramento, San Joaquin and Salinas the traveler may pass for miles and miles, almost a valleys of the Sacramento, San Joaquin and Salinas the traveler may pass for miles an

The usual varieties cultivated are the Chilean, Sonora Club and Australian, and the distinction of winter and spring wheat is not known. The sowing is best made in November and December, in order to be benefitted by all the rains of the winter; but good crops are often obtained when the seeding is made in February and March, if it should happen that rains fall in considerable quantity in April and May. Harvest begins in June, and is done by reaper or header machines, drawn by horses, and the threshing is by machinery often driven by steam. The grain is received in sacks, and is stored in the field, by the rain rains which to store the crop to await the toilsome process of the fail, during the long and frozen winter, are unknown in the sunny clime of California. The golden grain can safely remain in the field, either in the straw or in the sack, improving in the dry atmosphere until the rains of October or November, during which the farmer has had ample time to transport it to market or the great warehouses by tide-water, where at any time the ships of commerce may take it on board for a distant port. This dried and hard wheat is proferred in all markets to any other, as it withstands without damage the long voyage through the tropics, where damp grain would heat and sweat. It is, moreover, store in nutritious matter, and requires the addition of much water when prepared for use, thus giving the advantage of increased weight to the consumer.

Burkey.—This cereal ranks next to wheat in quantity of production and aggregate value. It was in

Barley.—This cereal ranks next to wheat in quantity of production and aggregate value. It was in great demand in the early days of the State for feed for horses, and for a number of years constituted the leading product of the farmer. Being regarded as a hardy plant, it was thought to be the only grain that could be successfully raised in such a climate as California. Growing finely and producing a perfect kernel, it became a favorite article with the farmer, and nearly all the grain fields of the State were devoted to it. At last, in about 1857-8, the product became so great the markets were overstocked, and barley sold at from fitty cents to \$1 per cental. This low rate admonished the farmer that he must vary his crop, and wheat, oats and other grains were essayed. Success attended the venture, and thus barley