under the weight of apples. ter, was grafted with Baldwins, and is now loaded with six barrels at least of nice apples, which, with previous crops, will amount to sixteen barrels, sold at from \$2 to \$3 per barrel. I noticed trees in other orchards, and by the roadside, which were propped up to support the load of apples, while some branches which had been neglected had split down."

Miscellaneons.

THE PROCESS OF SUGAR MAKING .- The cane is cut from the fields by companier of men and women working together, who use an instrument called a machete, which is something between a sword and a cleaver. Two blows with this slash off the long leaves, and a third blow cuts off the stalks hear to the ground. At this, work the laborers move like reapers, in even lines, at tated distances. Before them is a field or dense, high-waving cane, and behind them trewn wrecks of stalks and leaves. Nea. and in charge of the party, stands a driver, r more grandiloquently, a contra-mayoral ith the short, limber plantation whip, the adge of his office, under his arm. arts pass over the field and are loaded with he cane, which they carry to the mill.— he oxen are worked in the Spanish fashion, he yoke being strapped upon the head lose to the horns, instead of being hung ound the neck, as with us, and are guided y goads and by a rope attached to a ring brough the nostrils. At the mill the cane tipped from the carts into large piles by a side of the platform. From these piles is placed carefully, by hand, lengthwise, a long trough. This trough is made of ats, and moved by the power of the end-se chain connected with the engine. In is trough it is carried between heavy, hori. ntal, cylindrical rollers, where it is crushed, juice falling into receivers below, and the whed came passing off and falling into a le on the other side. This crushed cane agazo) falling from between the rollers, gathered into baskets by men and women, d spread it for drying. There it is watch-and tended as carefully as new-mown as at haymaking, and raked into cocks winrows on an alarm of rain. When , it is placed under sheds for protection finst wet. From the sheds and from the

One, for and rake it about with long poles. Here instance, which was then one foot in diame- it feeds the perpetual fires by which the steam is made, the machinery moved, and the cauejuice boiled. The care of the bagazo is an important part of the system; for if that becomes wet, and fails, the fires must stop, or resort be had to wood, which is scarce and expensive. Thus, on one side of the rollers is the ceaseless current of fresh, full, juicy cane stalks, just cut from the open field; and on the other side is the crushed, mangled, juiceless mass, drifting out at the draught, and fit only to be cast into the oven and burned. This is the way of the world as it is the course of art.-The cane is made to destroy itself. The ruined and corrupted furnish the fuel and fan the flame that lures on and draws in and crushes the fresh and wholesome; and the operation. seems about as mechanical and unceasing in the one case as in the other. From the rollers, the juice falls below into a large receiver, from which it flows into great open vats, called defecators. These defecators are heated by the exhaust steam of the engine, led through them in pipes. All the steam condensed forms water, which is re-turned warm into the boiler of the engine. In the defecators, as their name denotes, the scum of the juice is purged off, so far as the heat alone will do it. From the last defecator the juice is passed through a trough into the first caldron. Of the cal-drons there is a series, or, as they call it, a train, through which all the juice must go. Each caldron is a large, deep, copper vat, heated very hot, in which the juice seethes and boils. 'At each stand a strong negro, with long, heavy skimmer in hand, stirring the juice and skimming off the surface.— This scum is collected and given to the hogs, or thrown upon the muck heap, and is said to be very fructifying. The juice is ladled from one caldron to the next, as fast as the office of each is finished. From the last caldron, where its complete crystalization is effected, it is transferred to coolers, which are large shallow pans. When fully cooled, it looks like brown sugar and mo-lasses mixed. It is then shovelled from the coolers into hogsheads. These hogsheads have holes bored in their bottoms, and, to facilitate the drainage, strips of cane are placed in the hogsheads, with their ends in these holes, and the hogshead is filled. The hogsheads are set on open frames, under which are copper receivers, on an inclined plane, to catch and carry off the drippings These drippings are from the hogsheads. ds, it is loaded into carts and drawn to the molasses which is collected and put furnace doors, into which it is thrown into tight casks. I believe I have given the negroes, who crowd it in by the armful, entire process. When it is remembered