necessity of Revelation, and the insufficiency ges were about one dollar, and a quarter or a of the light of Nature. Hume came one even- half per week-they of course boarding and friends of both were present; and it is said the process of making tubes. A very long that Robertson reasoned with unaccustomed one was being tried; it was for a mine down arrival, but Mr. H. took me all through the clearness and power. Whether Hume was in the country; the mouth piece was to be sugar-mill this morning, and explained the convinced by his reasonings, or not, we can above ground, from which orders could be whole operation of sugar-making. The buildnot tell; but at any rate he did not acknow- given to workmen in the vaults below. It ing is of brick, with a good steam-engine, the ledge his convictions. Hume was very much was four hundred feet long, and was well con- whole costing about \$29,000, Behind the of a gentleman; and as he was about to de-structed, Here, too, pumps were being made, mill is a large shed, under which the cane is part, bowed politely to those in the room, pipes for fire-engines, and all manner of tubes, thrown, so that the mill can be run in all kinds while, as he retired through the door, Robert- Here we saw the identical electrical wire, co- of weather. The cane is here placed upon son took the light to show him the way. Hume vered with gutta percha, which a few weeks an endless chain, which conveys it into the was still facing the door: "O, sir," said he ago connected England with France—the true mill and between the rollers, where it is crushto Robertson, "I find the light of Nature al- chain of brotherhood. The manager cut us ed. When thus deprived of its juice it is ways sufficient;" and he continued, "Pray each a piece as a memento of the great feat of called bag gas. The juice, by means of don't trouble yourself, sir," and so he bowed connecting Paris with London by electricity, troughs, is conveyed into large vats or tubs, on. The street door was open; and present-ly, as he bowed along in the entry, he stum-them. The project is not given up, nor has the which occupy a separate room. There bled over something concealed, and pitched any one connected with it even thought of a are five of them of different sizes; the first, the down stairs into the street. Robertson ran failure. Better ground will be chosen next largest. When the juice comes to a boil in the soil will be more fully exposed to the action after him with a light; and as he held it over time, and the wires so laid that they will avoid this, it is skimmed and dipped into the next; him, whispered so thy cunningly, "You had the reefs of rocks near the French coast, then into the third, etc. By the time it is better have a little light from above, friend which proved fatal to the tubing before. boiled in the fourth it is what called cereau, Hume." And raising him up, he bade him While over these wires the subject of con- or syrup. It is gratulated in the fifth, and good night, and returned to his friends.

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Foreign Correspondence of the New York Organ. London, Nov. Sth, 1850. OUTTA-PERCHA WORKS.

exhibiting every appearance of the finest carv-This will admit the descent of water so readily I made a visit one day last week to the ing, and the inner portions exquisitely gilded, to hold the molasses which drips from the wet that the soil will remain permeable and open ; "Gutta-Percha Company's Works," in Lon- Really I was astonished that gutta percha sugar in the hogsheads. A view of this dark but if the water remains long in the soil, the don, and as they are the only company in the could thus be made to resemble the choicest "sea of sweet," with the thoughts of the dirt beneficial effects of pulverization will be comkingdom holding the original patent, and first carved or gilded wood, oak, rosewood, or ma- that must necessarily drop into it, and the flies, paratively temporary. The soaking of the imported gutta-percha from "over the seas," hogany. And not with the chisel, but merely musquitoes, bugs, rats, and mice, which may soil will reduce it to its former heavy condition. and, as a necessary consequence, are at the by pressing the ungainly lump into a mould. probably, be drowned therein, I think would Other advantages are claimed for fall ploughhead of the world in their manufactures, 1 So that once a mould constructed, hundreds cure the fastidious, at least of all fondness as ing, which do not relate to the improvement think your readers will like to have me de- and thousands of these beautiful frames are for sugar-house molasses. It should always scribe what I saw. We had a long walk to turned out without the expense of artist-work. be boiled over before using, which greatly imworms, in some instances the killing of noxions take up what is called " City Road," for a mile And they have this great advantage over wood proves its taste as well as purifies it. The plants, and in other instances the convenience or two, then furning abruptly to the right, we that they can never be broken. You can dash planters never use the molasses themselves, of doing the work at a season when the farmer found ourselves before a large building in them to the ground with all the strength in but use the cereau, or golden syrup, as we call which the works of the Company are carried your power, and you can't injure them a hair. it in Kentucky. on. We were then introduced to the Ma- I saw some delicate-looking flower-vases, and at less expense than in spring. nager, who is a man of politeness and urbanity, the manager took one of them in his hand and The Farmennuffe name (qualities not too common in the business life threw it to the floor so that it bounded back of London) and sat down for a few moments into the air-it was not harmed in the least. anidona FALL PLOUGHING. in his office. Here I saw him (Mr. Smithers, Here, too, we saw beautiful works of art-the The question is often asked, whether fall fall ploughing in this respect. It may be rethe Manager,) give out orders for various de-partments of the large manufactory without ears, and yet you could not break the slender ploughing is advisable? It may be advan-marked, however, that worms prepare themtageous or injurious, according to the charac- selves for winter by descending into the earth leaving his position at his desk, by simply ap- horns-they would bend, but not break.plying his lips to different mouth-pieces close Impressions of faces and busts were hung ter of the soil and the circumstances under more or less; and if, after they have fixed at hand, the sound being carried through gutta about the room, or were issuing forth from which it is performed. Soils which are too themselves in their position, they are turned percha tubes to the farthest corner of the vast the moulds in the hands of ingenious work- loose in their texture are liable to have their up to the air, while the weather is so cold as building. In a few minutes, in company with men. I saw the face of Elihu Burritt among soluble matter drenched out of them, if stirred to prevent their motion, it is reasonable to supmy cousin and Mr. Heeps, (a gentleman who others. I saw also some stereotyping that had late in the fall, by the heavy rains of winter pose that before spring many of them would has recently applied the use of gutta-percha been done with gutta-percha. There were and spring. Hill-sides are also liable, to be be killed. It is thought that this has been fatubes to pulpits and churches, so that deaf drinking cups, a beautiful gutta-percha life washed and gullied by the same causes. vorable to the destruction of wire-worms, which persons may hear,) in company with these boat, which though full of water, and without Again, the particular time in the fall at are generally most prevalent on deep soils, and persons I repaired to the cutting department. the usual air-bags, will not sink, gutta-percha which ploughing should be done, is an im- those of a mucky character, though they some-Here the lumps of gutta-percha are sliced into is so much lighter than water that it will not portant point, and this must be determined by times do much injury on clays. Witch grass, or couch grass thin pices by revolving knives, which cut six sink. There were sou-wester hats for sailors, the objects which it is sought to attain. If the hundred slices per minute, propelled by steam. capital things-for gutta percha is impervious land is in grass, and it is wished to have the pens,) may be to some extent destroyed by The gutta percha as it is imported from India to water, and salt does not affect it in the least, sward rotted by the following spring, the ploughing just at the setting in of winter.is not fit for use-the collectors of it being With leather it is otherwise, for water satu-ploughing should be done early in autumn, in Those who have had experience with this pervery careless-and it must needs be purified. rates it, and salt is its deadliest enemy. There order that the warm weather may bring on de-nicious grass know how great a nuisance it is, These slices which we saw are thin, and were any quantity of lines-clothes-lines, and composition before winter. If ploughing is and how difficult to eradicate. To destroy it have the appearance of old leather. The ma- -would you believe it-lining for bonnets, deferred till the commencement of cold weath- by frost, the ground should be ploughed deeply nager took us next to the boiling and kneading room. The slices are first put into enormous boilers and boiled till of the consistency of ues of liquid gutta-percha, for wounds, and boilers and boiled till of the consistency of the solution of the consistency of the solution of the special sol tough dough, when it is thrown into a ma-cuts, and chilblams. Really this beats all- alive, and by being brought again to the sur- the air and frost. The rains will wash out chine with rows of teeth, revolving eight hun-dred times a minute, and which tear the mas-shoe. There were stethescopes, buckets, ink-crop which is put on the land, or increase the leaving the roots bare, and the alternate freezses of gutta-percha into infinitesimal shreds. stands, wash-basins, battery-cells, insulating expense of cultivation. These shreds are put into cold water-the stools, driving-bands for threshing machines, On clayey soils, there is still another disad- many of them of vitality. gutta-percha, pure and unalloyed rises to the and powder-flasks, speaking-trumpets, tiller vantage in connection with late ploughing, if Protecting Tender Plants and Shrubs. top, and the dirt and refuse sink to the bottom, ropes, lining for coffins, whips, canes, port- it is done in the ordinary way. The soil is There is one principle which should not be It is then skimmed off and put into lumps, to manteaus, knife-handles, and so forth ! liable to be made into mortar and run togewhich a heat of 200 degrees is applied, and in Is not this strange, when you recollect that ther by rains, so that by seeding-time it be- forgotten, whatever be the nature of the coverthis state the lumps are put into steam knead-ing machines to work out all the air and water saw England was sent by Dr. Montgomerie in to bring the soil into the friable condition re-to the wooden portions or parts above ground. that may exist in the pores of the substance. 1843. The tree of which it is the sap was quired to fit it for crop, without ploughing This is, that the exclusion of moisture is an This is a very curious and interesting process discovered by an Englisman in the forests of again, and that operation would bring back important object without excluding air. Liga-- or at least it was so to me. After the ma- Singapore. The tree is said to bear much the undecomposed sod, to which, as just reterial comes from the kneading trough, it is by machinery moulded into the thickness of common leather, and is ready for use, or per-haps; it is left in lumps, as occasion requires. We then went into the room where soles are made for boots and shoes. The substance was in a plastic stute, and while thus the soles are cut and shaped. The shoemaker, by apare cut and shaped. The shoemaker, by ap- Heeps is fitting up the chapels and churches irost; by this their cohesion is overcome, and are often destroyed, when in a too moist soil ; plying enough heat, can shape the sole to the of England with his hearing-apparatus, so that shoe: cr any one can mend his own boots with the "deaf may hear" the Gospel. shoe: cr any one can mend his own boots with slight trouble, by merely applying one side of the sole to a hot fire and at once placing it to the Company's works I need not tell you.— the bottom of the boot—when cold it adheres better than if it had been pegged on, and will not only out-wear leather, but will entirely keep out the wet. There are many boys in this denartment, and L ascertained that their was is wet at the time it is frozen, and remains so till it is thawed and settled, no pulverizing ef-fect is produced, the favorable agency of the additional coating of a few inches of earth. department, and I ascertained that their wa-knowledge of thyself.

necting America with Europe was discussed, then conveyed into vats, where it soon forms

Sugar Manufacture.

The process of sugar-making in the South genial state. They had finished making sugar before my

and the manager said wisely, "There's little a crust upon the top, which has to be broken use in saying what can't be light no participant and stirred three times. It now forms a wet We next visited the most interesting de- mush, which is shovelled into hand-barrows, partment of all-that where the nicer and and thrown immediately into the hogsheads more delicate articles are constructed. Here which are ranged in rows in another room .-I first saw a beautiful frame, with the borders This room is very large, and the whole of it underneath the hogsheads is one vast tub, made

air is excluded, and the soil remains in an un-

To obtain these advantages of frost, the soil should be thrown into narrow ridges, by turning two furrows together, in the manher called back-furrows. The furrows should be made in the direction best calculated to drain off the water, without allowing it to form large streams as these might gully the soil. This kind of ploughing can be done to best advantage on land that has been under cultivation one season, or more. It can be done with sward ground, but, as before stated, the grass will come to the surface when it is crossed-ploughed in spring, requiring much labor to destroy it. If, however, sward-ground were ploughed in August or the first of September, the sward would become dead and so far decomposed by November, that it might be crossed ploughed in ridges with advantage. The later in the season the ridging can be done the better, as of the frost, before the ridges have been washed down with rains. The ridges should be made as high and narrow as practicable, in order that the frost and air may act thoroughly on the soil. Ren Mino &

There is no operation which tends so much to produce friability in tenacious soils, or which so much develops their fertility, and insures the growth of crops, as ploughing them late in the fall, in the manner above described. But to derive the full advantages of the operation, the soil should be properly under-drained.

of the soil; such as that of the destruction of has more leisure, and his team is, perhaps, in a better condition to labour, and may be kept

As to the destruction of insects, such accurate experiments have not, so far as we know, been made, as would show the advantages of vorable to the destruction of wire-worms, which