WALKING-STICKS,-Walking-sticks were first introduced into fashion by the effeminate Henry H of France, but did not become a requisite appen dage to the gentlemen of fashion in England till on of the round and hollow top, which sometimes to universal use among the bon ton of society, the animal, which we have never yet seen. cavity was exclusively appropriated to its recep tion, and the meeting of two friends was invariably marked, after the first salutation, by the unscrew ing of the tops of their walking-sticks.

Srience. menister beneration Hirtorical Survey of the Industrial Sciences. (Concluded.) ter Barket --- Sent Sk 1863 MANUFACTURES. 122

Raw materials are of little use in them- tirely overlooked. selves. Food is to be prepared : clothing is to be made. The ore is to be roasted, smelted, and pass through various processes before the useful metal can take the form of a machine, or the precious, the shape of currency. Flax has to be rotted, bleached, dried, beetled, scutched, heckled, spun and woven, before it is fit for a garment, But these and all such works belong to mannfactures.

Manufacture is the application of knowledge and skill in changing existing materials into desirable forms and fabrics, to meet the wants and pleasures of man.

It is a vast branch of euterprise. If we except agriculture, hunting, fishing and mining, it embraces all other departments of industrial science.

Manufacture stretches back into a distant past. Records of its doings have survived the flood. The wheel, and loom, and needle were engaged in producing beautiful fabrics as far back as 2000 years before Christ .-Travelling merchants crossed Asia with precious wares. Babylon, and Persia, and Tyre, and Egypt had their purple, and scarlet, and fine linen. Works of cunning workmen reach of the roots of plants and trees. It is adorned their palaces.

The progress of this branch of industr been magnificent. It has kept pace with the increae of intelligence and the multiplication of inventions. The useful and tasteful now meet in the same work, and beauty adorns the tools of the machinist. Stores are palaces. Merchants are princes. The knowledge of the industrial sciences a alder abdw add lo did of the bar bereisen ad of must be diffused abroad in society, till every man feels the importance of these departments of enterprise, and is ready to protect and be mentioned its power of destroying smell, honor all who are engaged in them. The taste and color; and, as a proof of its possespeople must become conversant with agricul- sing the first quality, if it be rubbed over puture, hunting and fishing, mining, manufac- trid meat, the flavor will be destroyed. If a tures, and highways by land and sea. These piece of charcoal be thrown into putrid water, are the industrial sciences, the strength and the putrid taste or smell will be destroyed, and glory of the nation.

seen in our villages, to refine and give pleas enterprize.-Canada, Kingston Com. Adv. sure to our citizens; how many houses which now look like deserted walls, made pleasurable abodes, if the Fine Arts had not been en-

## Things Wonderful and True.

With a very near approach to truth, the human family inhabiting the earth is estimated at 900,000,000, the annual loss by death 18, 000,000. Now, the weight of animal matter of this immense body cast into the grave is no less than 634,000 tons, and by its decomposition produces 9,090,000,000,000 cubic feet of gaseous matter. The vegetable productions of the earth clear away from the atmosphere the gases thus generated, decomposing and assimilating them for their own increase. This cycle of change has been going on ever since man became an occupier of the earth. He feeds on the lower animals and the seeds It would live when its planter had mouldered away

of plants, which in due time become a part of himself. The lower animals feed upon the herbs and grasses, which in their turn, be- There's the well that he dug, with its water so come the animal; then, by its death again passes into the atmosphere, and is ready once With its wet dripping bucket, so mossy and old, more to be assimilated by plants, the earth or No more from its depths by the patriarch drawn, bony substance alone remaining sufficiently For the pitcher is broken,-the old man is gone. deep in the soil to be out of the absorbent

He has ploughed his last furrow, &c. not at all difficult to prove that all the ele- Twas a gloom-giving day when the old farmer alea,

wrong in this matter they yield to the temptation, The study of them refines, elevates, and adds weight, nor the fabric thereof injured, as it ness," constitute the best kind of food wherewrong in this matter they yield to the temptation, i he study of them remes, elevates, and adds weight, nor the fabric thereof injured, as it ness, constitute the best kind of food where-necessarily is, by the old "rotting process," on to fatten a hog. They are also the bes able to get none except what their parents know to be good. Servants frequently destroy, unwit-tingly, the lives of children entrusted to their care, We hope the time is not far distant, when of this discovery lies in the repidity of the weight, nor the fabric thereof injured, as it ness, constitute the best kind of food where-necessarily is, by the old "rotting process," and the leather when finished, is incompara-bly superior in every respect, and far stronger and finer. The greatest advantage however, i and butter they communicate a good, a deli-We hope the time is not far distant, when of this discovery, lies in the rapidity of the clous flavor. I have seen it stated some years not be had, in order to keep them quiet. Our part-ing advice is, not to be afraid of ripe fruit, either for yourself or family. But then, you must be sure that the fruit is ripe; not overripe, much the built and lighted so as to afford positions on the time hitherto required. M. A. S. Hay-the walls, for copies of the best paintings, of ward. Agent for the British Provinces is discovery, lies in the rapidity of the clous flavor. I have seen it stated some years ago, that beef made from parsings brings the highest price in the Loudon market. I think, though I may be deceived by imagination, the walls, for copies of the best paintings, of ward. Agent for the British Provinces is a store that the for the British Province. the walls, for copies of the best paintings, of ward, Agent for the British Provinces, now parsnips, is sweeter than when made from ancient and modern times. There should be resident in Kingston, informs us that the pro- anything else. alcoves, too filled with plaster copies of the cess is easily acquired; the working and the This is not the only recommendation which finest pieces of sculpture. Why should not Tannage being the same as in the old method, may be justly bestowed on the parsnip. the various kinds of architecture be continual- that it can be introduced with facility, and a Among the other good qualities is this-that the year 1655, at which time they were formed ly before the eyes of the pupil? Models might little expense into any ordinary tannery. It it requires no care or housing in the fall, as with an indented head, in order to afford a more be placed in conspicuous parts of the build- has already been adopted by all the principal all other roots do. In all the middle, northern easy pressure of the hand which they supported, ing. When the study of the Fine Arts is manufacturers of the New England States, and western states, potatoes, carrots, and tur-ingentity, which, in matters of fashion, is for elevated to its proper place in our system of with the most signal success, and we undereducation, our school-houses will become at-stand that our enterprizing fellow citizen, ed; and even when all this is done, and with contained nutmeg or ginger, to warm the stomach of the valetudinarian, and sometimes sugar-candy itself to be of Divine origin. The angel part in progressive movements, has followed suit, frequently be ruined and lost by frosting, over for the asthmatic ; but snuff soon after coming in- of our nature, will have a mastery over the and introduced it into his Tanneries in this heating or decay from other causes. Perneighborhood. We have seen some of the haps, on the other hand requiring no care in No person can lay claim to an accomplished stock manufactured by this process, and it the fall, as they may be left without injury in education, who is unacquainted with the im- only requires to be handled, to convince even the ground all winter. They may also be mortal productions of the chisel and easel --- the most inexperienced judge of the article, of planted early in the spring, the frost does Every child should know enough about archi- its great superiority over that manufactured not injure them, even at the earliests stage of tecture, to be able to give reasons for prefer- by the old process. There can be no doubt their growth, so that this root-crop interferes ring one building to another, and to select in- that this valuable invention will soon be uni- the least of any with employments which telligently the best order for his own house, versally adopted, while those first in the field, crowd upon the farmer in the spring and fall. How many beautiful flower-gardens might be will in the meantime, reap the reward of their It continues to grow through the whole sea-

son, until the ground freezes in winter; it requires no expenditure to gather or store it; it may be taken up on several occasions during the winter, and the roots that stay in the ground all winter, are not injured, and prohably improved, by the frost. Parsnips seem to be eaten with more relish than either turnips or potatoes, and yield in the raw state, a greater amount of nutriment. On a green grassy knoll, by the banks of the brook,

Another advantage in cultivating parsnips is, that on a suitable soil-sand or leam, rich or well manured, and deep plowed-a large growth may be secured. At the rate of 1,200 bushels have been gathered from one acre of

ground. Parsnips may be planted either in spring, or in the latter, part of summer, say in August or September. The ground should be well manured, mellow, and deeply plowed, and the seed sown in drills, so as to have plants to thin out, while preserving them at about eight inches apart. This will probably require at about the rate of two pounds seed to the acre. The drills should be two feet apart and the space between well cultivated and kept clear of weeds. If sown in spring, the earlier the better. A large growth may be secured, however, by sowing the seed in September. There will be some considerable growth before the ground freezes up, and the growth will commence again as soon as the frost leaves the ground in the spring, which will continue throughout the whole season, of about twelve months; whereas, when sown in the spring they can grow only eight or nine months. All the advantages of this root crop have not yet been named. Among them are these -that they seem uninjured by either a wet or dry season, and that no insect nor bug attacks them at any stage of their growth .--- Working Farmer, wornt bee use had on use him off

THE FINE ARTS. This department includes Painting, Sculp-ture, Architecture, Poetry, Music, Rhetoric, is materially influenced by charcoal, and in formation, both from his own experience and ing than the common plow, there will be less their model Nature, and their master l'aste.

to a new universe. The sculptor, painter, and poet are creators. The sculptor takes a rock out of the quarry, and makes it the embodiment of his own thoughts. He covers it with thought, and throws around it a fascination, from which no spector can deliver him-self. It is so with the Painter. I have stood Important Invention.

ments of which the living bodies of the present generation are composed, have passed through millions of mutations, and formed part of all kinds animals andvegetable bodies, and consequently it may be said that fractions of the elements of our ancestors form portions of ourselves .- Working Man's Friend.

## minel to Ma Properties of Charcoal divord assult

Among the many properties of charcoal may the water rendered completely fresh. Sailors are aware of this; for when water is bad at This department includes Painting, Sculp- sea, they are in the habit of throwing pieces numbers of instances in a very irregular way. from that of others, ought to be in possession harrowing required. If you take a dirty black syrup and filter it through burnt charcoal, the color will be re-and as duty, propriety, and fraternity require most conversant with sowing grass seed in their model Nature, and their master raster through it; in the filtration it will lose a great within my own observation. portion of its color and become tawny; repeat

The stout-hearted mourned-th' affectionate cried; And the prayers of the just for his rest did ascend, For they all lost a brother, a man, and a friend, He has ploughed his last furrow, &c.

Che Farm.

THE OLD FARMER'S ELEGY.

BY J. D. CANNING.

That so long and so often has watered his flock,

He has ploughed his last furrow, he has reaped

soud as most partities

The old farmer rests in his long and last sleep,

While the waters a low, lisping lullaby keep.

No morn shall awake him to labor again.

Yon tree that with fragrance is filling the air,

By his own hand was planted, and well did he say

et. de He has ploughed his last furrow, &c.

So rich with its blossoms, so thrifty and fair,

his last grain,

na life bot

cold,

For upright and honest the old farmer was, His God he revered-he respected the laws ; Though fameless he lived, he has gone where his worth .noteol in dell' we

Will outshine like pure gold all the stores of this earth.

He has ploughed his last furrow, he has reaped his last grain, benefiting vilage

No morn shall awake him to labor again. situation with the weather amain area

Culture and value of the Parsnip.

them, I commence the brief sumary of my ex-perience and observations of twenty years, by

tigese Coharica, framestalizes to the extremal Seeding Lands to Grass in August

Those who were not able to lay down their land to grass in the spring, or who did not obtain what our farmers call a " good catch" of seed on those fields where they did sow grass seed in the spring, are reminded that it can be done successfully during this month.

may learn the influence of charcoal in destroy-ing colors by filtering a bottle of port wine think very satisfactorily settled by evidence last snows that come. It is apt to be winter Disliking long prefaces, and trusting that and red top, and such fine grasses, do very killed if sowed at this time, but herds grass the process two or three times and you have all your correspondents, will dispense with well sowed at this time of year, and generally

a statement in regard to the value of parsnips. self. It is so with the rainter. I have stood for hours transfixed, gazing on a single pic-ture. The Poet has powers of a similar kind. He creates worlds, and carries the reader through them, filling him with joy, or grief, or amazement at every step. He who is igno-rant of the Fine Arts has never dreamed of the mystery and greatness of man's nature, sequently the stock is not diminished in the mystery and greatness of man's nature.