Daguerreotype or Photographic Art. The Process Explained.

Of this art the re are now two distinct branches processes, viz: viz., one in which the pictures are produced upon object to be copied may fall upon it; the coase- has been previously coated. by combining with hyd ogen in the moisture of to the action of the light in the camera. composed. The action usually takes place in lion upon it. some few seconds, according to the intensity of It must not be supposed that the compounds of parsley. the light and nature of the 'quick' used. When silver are those only which are capable of being | Water Parsnip is sometimes mistaken for the plate is removed from the camera no picture decomposed by the sun's rays, for photographic Skirret, the tubers of which are eaten in Scotland is visible upon its surface, so that the developing | pictures have been produced by compounds of all | under the name of Crummock. The Water of mercury, which attach themselves to the parts | effinities, and so being easily separable from the | The Water Dropwort is still more langerous from todine with which it was combined. These parts iron has been used successfully for the same pur- plant is so poisonous that many persons feel constitute, as we said before, the 'lights' of the pose-for this body also, is readily decomposed giddy only from smelling it .- [London Newspicture, and there the mercurial vapor is condens- when combined with certain substances. Fur- paper. ed, and clings in the form of minute globules; ther, the gum-resins and bitumens admit of being whilst to the parts which have been undecompos- employed in the same manner, and many vegetature; whereas the undecomposed iodide of silver, action. sending no light to the retina, constitutes the 'black:' and thus the image, which was latent on the plate, is developed, or brought out, with such marvellous fidelity, that when examined with a microscope, characters that were several miles di tant in the original may be clearly read in the minute sun-copy.

consists merely in submitting the plate to the action of hypesulphite of s da, which dissolves, and further acted upon by the light. The above con-

guerreotype process.

The production of photographic pictures upon paper, on the other hand, forms what is termed types being derived from those of their inventors. In the latter method of producing sun-pictures iodised, or rendered sensitive to the action of light sitive to the action of light that it is said to tran- poisonous, the seeds acting as a violent emetic. scend the ordinary iodiced paper in this respect ! or two of time is sufficient to impress a latent of its leaves will raise blaters. This is also the image upon it.

bring out the picture, which is imperceptible on fleshy root is a deadly po son to human beings removing the picture from the camera, and the though pheasants seem to eat it with impunity, as any one who had not been forewarned by previ- that have been shot. ous experiments. To render the picture visible, the paper is was led over once more with the gal- resembling cholera, with violent sickness; and the lo-nitrate of silver before described, and then Poppy is as everybody knows, highly marcotic guerreotype' method, the fiving process has to be India. resorted to. This for 'Talbotypes,' consists in The capsule of the Opium Poppy is much washing the paper in bromile of potassium, which larger and more fleshy than that of the Corn

se leaves an indelible impression behind. ture being produced directly by the action of light, steeped in spirits of wine, and paregoric is laudanof those in nature.

This consists in submitting the plate to the fames | mercury. &c., these substances having out slight | growing in water, which the Skirret does not .ed the mercury does not attach itself, having no ble juices have been used by Sir John Herschel affinity whatever with the iodide of silver that re- for a like purpose. Indeed it has been truly said,

Vegetable Poisons.

At this period, when so much attention has been directed to the subject of vegetable poisons from the frequent deaths that have occurred, I have thought that my readers might be interested After this comes the fixing process, and that in learning which of the show inhabitants of our English gardens are most inimical to human life. Un ortunately, there is nothing in the outward so removes all the undecomposed iodide or silver appearance of these plans to indicate their deadly from it, and thus renders it incapable of being hature. They are generally bright in color, and sometimes very elegant in form; and the greater stitutes what is now usually known as the Da- part of them are common in every flower-garden. also cailed Wollsbane, or Monkshood of which there are various species, all ornamental. The the 'Talbotype process'-the names of the two common Monkshood is well known from the there are almost the same different stages to be from beneath the hood, Ike two great eyes gone through. The paper itself has first to be These petals look like gigantic and crested stamens, and the hood, which is only a cityse, is generally by means of conting it with a surface of todide of supposed to be formed of the pe als of the flower. silver. This is done by washing it over first with The real stems are, however, the centre of the a solation of nitrate of silver, and when this is flower, and they surround a group of three or five dry, with a solution of iodide of potassium; the seed-vesses or follicles, which, when ripe, burst consequence is, the one solution decomposes the open at the top to discharge their seeds. The other, so that nitrate of potash and iodide o: sil- eaves are deeply cut, and the stem, which is tall ver are formed. The nitrate of potash being so- and upright, is thickened at the bone, where it luble, is then washed out of the paper, while the joins the root, so as to give it the appearance of Then follows the 'quickening' of the process .- it in mistake for the vegetable. The part of the This cousi is in washing the sheet of lodised pa- root which is buried in the ground is also thickper over wi ha solution of what is termed gallo- ened, and resembles horse-radish so much, that a nitrate of silver, which coasists of a small propor- party of triends dining together at Dingwall in tion of gallie acid (the acid from gall-nuts) dis- Scotland, were poisoned by the cook tancying it solved in water, and added to a solution of lunar was a root of hors - radish she was craping, when caustic, having a little acetic acid, or pure vinegar, she was, in fact, offering to her master's guests a in it. The galic and acetic acids are used be- most dead'y poison. I nere is nothing in the taste cause it is found that the presence of any vegeta- of this plant to warn the eater of it of his danger .ble or organic matter hastens the decomposition It is slightly acrit, but not more so than many of nitrate of silver when exposed to light. The plants that are perfectly harmless. The Acon te paper is now ready for the camera, and is so sen- is very nearly allied to the Lurkspur which is also the painting never can confer.

case with various kinds of Clematis and Ran-Then, as in the daguerreotype method, the de- unculus. The juice of the common Buttercup is

warmed gently before the fire; whereapon that part Opium is prepared from the causule, or seed-vessel, of the paper upon which the light has acted begins of the large White Poppy, which is cultivated for to darken, while the other part of the paper re- that purpose to a great extent in the E -t. partains its whiteness. After this, as in the 'Da- ticularly in Turkey, Persia, and some parts of

dissolves out all the undecomposed chemicals, and | Poppy, and this fleshy substance is full of a milky juice, which hardens by exposure in the air into a tenement occur ied by your poorer neighbor, off This may require a modification of the dress The picture thus produced, however, is what is gum which we called opium. In countries where whose industry you live, and who by the way, four or five times a day, but it pays. termed a 'negative' one-that is to say, the lights opium is cultivated as an article of commerce, the you are grinding rather harshly in the way of rent, Ours is a versatile climate, and if we are fit in the original are represented by shades in the Poppies are grown in large fields, and planted in _hide it with a coronal of living green that will to live in it, or must live in it, we must take it photographic copy, and vice versa, the shades in rows to enable the people to reach their heads more then compensate for want of paint or the as it is, and make the best of it; and the way nature are rendered as lights in the picture. The easily. When the petals of the flowers have fallen, lack of skill in the wooden architect who designed to make the best of it is by placing more or Talbotype, therefore, has to be again copied, in and while the Poppy-herds are yet green and full it. Trees are money in every city; and more less between the atmosphere and the skin. order that the lights and shades may be accurately of juice, the cultivators of opium wound the ordinary quickening part of the process by means milky juice which exudes hardens in the course of of view, by trees. If the lot is wet and of little health in darkness. of the gallo-nitrate may be dispensed with, or the the night, and is scraped off the next morning value, there is the more necessity for the beauty Light is almost as necessary as air, and a stead of iodide before described. Again, the de- melt it. It is afterwards kneaded into cakes, and will grow the better thereon. Put money in thy of beauty, to a sickly paleness of complexion. veloping process is no longer necassary, the pic- packed, in leaves for sale. Laudanum is opium purse-and plant trees!-[Ex. rather than indirectly by means of some develop- um with aniseed and camphor added to it; moring agent. The fixing process in this stage is phine is the sedative part of opium separated from usually performed by means of hypo-sulphate of its intoxicating quality. In England all Poppies soda, and by these means the negative picture be- are more or less narcotic, and of course poisonous, so much of as we do of women. Our mother that is worn that keeps bright, and the watch Poppics for their opium.

It will now be seen that the art of producing Nearly all the umbelliferous plants are poisonous then there is the love of women in general, sun-pictures whether by the Deguerreotype or in a wild state. Even Colerv is only rendered which we do not deny. A fine, magnificent the Tahotype, comprises usually four distinct wholesome by cultivation. Wild Chervil also is specimen of the sex, full of life and health-a poisonous, but the cultivated is eaten in salads .- ripe, red cheek and lip and flashing eye, is 1. The preparatory process, which consists in Of all the umbelliferous plants, Water Hemlock, something that does one good to look at, as the metal, the other upon paper or glass. In the preparing the | late or paper-that is to say, in or Cowbane, is, perhaps, the most deadly. It she illuminates the humdrum sidewalks of the metallic process, iodide of silver is the chemical coating it with some solution of silver that is ca- grows in marshy land in several places in the everyday street. A North River steamboat, agent rather than the chloride; this is formed by pable of being decomposed by the action of light. neighborhood of London; and, as it has no bad under full headway, with colors flying, is rather submitting a perfectly clean plate of polished 2. The quickening process, which consists, smell it is sometimes eaten by cows, who die im- a pretty sigh -rather stirring and inspiring; silver to the action of the vapor of iodine, and again, in rendering the plate or paper more high- mediately. Children are also frequently poisoned and we pull up our fixed nag on the shore to sometimes to bromine afterwards, in order to ly sensitive to light by the addition of some other by chewing it It is an acrid poison, and destroys see her pass, and admire the swell she cuts. quicken the action. The plate thus prepared is chemical, which facilitates the decomposition of life by burning the coats of the stomach. Fool's Comparatively, however, the steamer sinks placed in the camera, so that an image of the the compound of silver, with which the surface Parsley is very dangerous, as it often comes up in into insignificance, or some other very deep gardens with the other parsley-and when both water, by the side of a well-kept, well-dressed quence is that in the 'lights' of the picture the 3. The developing process which consists in ren- are quite young, it is not easy to tell the difference woman. There is no rubbing it out; women iodide of silv r becomes decomposed, the iodine dering visible the latent picture which has been between them. When in flower, it is distinguish- are an ornament, charm, blessing, beauty and itself going off in the form of hydriodic acid gas, impressed upon the plate or paper while exposed ed by two long beards hanging from each flower. bliss of life, (man's life, we mean of course) while the common parsley has none. But even and any means that can be devised for prethe air, and the pure silver being left behind; 4. The fixing process, or the dissolving out of when not in flower the two kinds many be dis- serving them should be publicly made known. whereas in the shades of the picture where no all the undecomposed silver compound, and so tinguished by the leaves of the Fool's Parsley be- They are different from any other kind of fruit. light reaches, the lockde of silver remains under preventing the light from having any further ac- ing of a darker and bluer green, and having a smell

where the pure silver has been separated from the elements with which they are united. Again, its strong resemblance to Celery; and this last we are sure that the public will thank us for

Plant Trees.

Trees are Nature's git to the country, but their mains there. The consequence is, that the glo- that almost every substance in nature is affected growth is not inhibited in the dust and turmoil of bules of mercury which cling to the portions in some way or other, by the solar rays, for we town. They are gentle and beautiful reminders where the rays have fallen, reflect so much light now know that no substance can be exposed to of the innocent pleasures of country lif -hints to the eye that they form the 'whites' of the pic- the sun's rays without undergoing chemical of the purity of younger days when the anxious better knit, and fitted closely. Over the terdenizens of the great and wicked city were lacs and lasses, and disported, with the glee of childhood, beneath the spreading branches that overhung the old homestead, that shaded the quiet throwing changing and fantastic shadows on the turf ben ath. If for nothing else-for your childrens' sake, plant trees. Do not bring them up in o e of her most beautiful manifestations .which the sun at noon-day pours down his hot- her looks. test beams. Plant trees, and let the wee things assist you while you do it. Let todding Jimmy Among these last may be mentioned the Aconite, help you while you prepare the bed in which it is to be placed; let Charley bring the water with which you moisten he roots and mulch them in the quickening earth; let Ann or Jennie hold amusement children find in pinchi, g the flowers, uprigh its slender trunk while you shovel in the so as to make the curiously-loided petals start soil. Plant one for each. Let this be Charley's, that Ann's this in the corner is Nellie's, and that at the end of the walk ball be Jun's. Think you to the spot with their children and point out the rising tear that the old place calls up? On, you or little faith!

Plant trees for yourself. The walls inside your room are hung with landscapes in which trees are insoluble indide of silver remains fixed in it - celery; and persons have been poisoned by eating the principal feature. You insist that your friends appreciate them yours If You point to the and the somt re shadows beneath. But, though in a gilt frame, and a room where gandy painters and volgar upholsters have done their worst, they cold upon her limbs or hands; but let the cold are all mean and tawdry compared with the living strike through her clothing upon her chest, and trees that the Gre t Master was caused to grow. off go her teeth in a chatter, and the whole or-That daub cost you a handsome sum; but you ganism is in commotion. One sudden and secannot or do not spare the trifle which, expended vere impression of cold upon the chest has as we would wish, would give you a pleasure that | slain its tens of thousands.

lionaire in real estate. Trees ou last fortunes .- the good of it or the fun of it. veloping process has to be resorted to in order to extremely acrid, and the species with a creeping, Storms toss their branches and sway their trunks, you have given up riches and gone where they dows.

gold of Ophir.

worth. Make that vacant lot, every year rising about the chest. in value, rise more rapidly as the trees that you Thus much for the winter treatment. Genput on it, cause it to be more and more attractive erally, for the other seasons of the year, adapt and marketable. Hide the decaying front of that the clothing to every change of temperature.

than anywhere else, where Nature in her gifts of the Again, do not live in dark rooms. Light

How to Preserve Women.

You cannot pickle them; vinegar absolutely like garlic. Hemlock is also often mistaken for spoils them. You cannot do them up in sugar, and set them in a cold room, with a paper soaked in brandy over their mouths. You cannot put them into cans and seal them up air-tight without injuring their flavor. Now, part of the process has then to be performed .- the precious meta's such as gold, platinum, Parsnip, however, may be known by its always as men are so dependent upon women for life's choicest blessings, a proper mode of preserving them becomes a matter of great moment, and an unfailing recipe. Here they have it:-

> Wash clean in cold water as often as three times a week in cold weather, and every day in warm weather, and then rub dry with a coarse towel. If the skin takes on a blush under the friction of the towel, so much the better. It betrays inherent vitality and a happy reaction. After the glow is well established, dress in winter with thick flannelflannel jacket next to the skin, and a pair of flannel drawers, which like the jacket, were minations of these, heavy woolen or worsted hose should be drawn. If this preliminary process is perfected, a very important step has been taken towards the general result. Women nook, that tossed and waved on the hill side, are spoiled nearly as much from unprotected limbs as from unprotected feet. Skirts are

but an indifferent protection.

Well, then, after the jackets and drawers without a knowledge of what it is to love Nature are on, and the woolen hose, there is nothing to hinder the perfection of the dress after the Let not their young aff ctions be crisped up by usual mode. The woman is on the direct the bar brick walls of shadel as streets along road to preservation, and no damage is done to

Expose to the air daily. As a preparation for this, put the feet, already enclosed in a woollen hose, (premising still that the season is winter) in thick-soled shoes, or regular Wellington boots. The thin slippers, and the thin cold rubbers beneath are not enough.

A better conductor of caloric could hardly be found than they combine to produce. Besides, the rubber confines the moisture of the foot, and every mement it is worn, the worse it they will not love them? Think you, when you becomes, until the connection of the foot with are dead and gone they will not make pigrimages the ice beneath is almost as direct as if no medium interposed. We would not discourage where you stood? that they will not repeat what rubbers over thick shows, to be worn during you said? that they will not strogg'e to repress brief passages. They are very useful and convenient, but they never should be relied on as the main protection of the feet.

Having the feet well protected, pay the next attention to the chest. The chest is the repository of the vital organs. There abide the admire them and you declare that you love and heart and lungs. It is from the impression made upon these organs through the skin that delicacy of tint here, the reflected sun light there | the shiver comes. It is nature's quake-the alarm bell-at the onset of danger.

A woman never shivers from the effects of

Therefore, while the feet are well looked Plant trees for your mighbors. We fear that after, never forget the chest. These points The Anemone is another poisonous plant, from you are doing nothing to insure your remembrance attended to, the natural connections of dress more than a hundred told, so that even a second its acid ty and its emetic qualities; and the juice in the busy world that you cannot be a part of will supply the rest, and the woman is ready forever. You have been lucky in trade, have for the air. Now let her visit her neighbors, amassed money in corn; have become a half-mil- go shopping, call upon the poor, and walk for

Keep away from the stove or the register. but the gentle bre ze sisses their toilage to-morrow | Air that is dry or burnt, more or less charged and they give no sign of the trial they have passed. with the gases evolved by the consumption of existence of which would not be suspected by its tuders have been found in the crops of birds Not so your riches. You have done little in the fuel, is poison. Go up stairs and make the way of making the world more beautiful or happy. beds with mittens on. Fly around the house The seeds of Peony will occasion symptoms It is not too late to begin now. B gin with the like mad, and ventilate the rooms. Don't sit cheap st method: plant trees that will live when pent up in a single room with double win-

> are of no use; but where a cultivated sense of the | Fruit will not retain its full form and flavor good and the beautiful count more than all the in air-tight cans; neither will women. They need air. If the shiver comes on in these oper-Plant trees, if you will speculate, for their money ations, go directly and put on something more

represented. For this purpose, however, the pa- capsules with a kind of lancet having two blades, beautiful has been so niggard. Relieve the flatness fades the carpet, but it feeds the flower. No per need not be so highly sensitive; so that the so that two cuts are made with each stroke. The of surface, and destroy the unbroken continuity living thing, vegetable or animal, can enjoy

paper may be coated with chloride of silver in- with a blunt knife, before the sun has time to that trees will give. If it is high and dry, trees brown tan is far preferable, even as a matter

Thus much in regard to the physical means for preservation. There are moral means no less important. Every woman should be married to an excellent man. (Marriage, it is There is nothing in this world that we think true, brings care and wear, but it is the ring fore produced is rendered positive, and the lights but the milky juice is not secreted in sufficient is a woman-wife, sisters, pretty cousins, are that lies still unwound that gets out of order.) and shades thus made an accurate representation quantities to render it worth while to cultivate the all women; and the daughters will be, if (Hea- The sweet sympathies evolved in the relations ven spare them!) they live long enough. And of the family, the new energies developed by