

NURSING AS AN OCCUPATION FOR WOMEN.

Before entering on nursing as a profession, there are several very serious considerations to be taken into account. The first and most important one is, Health. "Have you," writes an old superintendent of nurses, "have you sufficiently good health to stand an amount of hard work to which you have nover before been accustomed; and that work joined with a large amount of mental work, which draws upon the physical resources as much if not more than more bodily exertion, and this on-tipued for seven days a week, not 'nr ax ?" The second consideration is, that the nurse has The second consideration is, that the nurse has to do, and must do, many things which are far from pleasant and agreeable, especially to refined and cultivated women. Hence great refined and cultivated women. Hence great self-control is requisite, and a determination to accept all the duties of her calling with patience and good temper Great intelligence is also absolutely necessary for a nurse. with-out it, she cannot possibly rise to a high rank in her calling. Lastly, a nurse must have a good knowledge of all domestic duties—such as exceeding duties second to hed waking. good knowledge of all domestic duties—each as sweeping, dusting, scouring, bod-making, and the rudiments, at least, of cooking. Some knowledge about house-linen is very needful. the various kinds of linen, cotton, blankets, feathers, and hair used; in fact, all the parti-culars which may be of service in the hygiene of nursing. The greatest obstacle to the general adoption of this profession as a regeneral adoption of this profession as a re-munerative one by women is the two-fold difficulty of getting suitable training and of finding employment when trained. These who know anything of the present arrange-ments of hospitals will acknowledge that many ohanges must take place before women of the middle and upper-middle classes, or, indeed, any woman of decency and refinement, could study in them with much advantage or comfort. Cases have been known where the numes have hom exported to gater for them. comfort. Cases have been known where the nurses have been expected to cater for them. elves and to cook their own food, running the rink of being called away before they even had time to eat their poor morsel of badly-prepar-ed food ! Under such circumstances, neither time to est their poor morsel of badly-prepar-ed food! Under such circumstances, noither health nor work could long be retained. The cause of the many complaints against hospital nursing is, no doubt, the fact that for conturies it has been left in the hands of a very low and uneducated class, whilst now the advancing spirit of the day is attracting towards it women of a higher social standing and educa-tional culture. It is calculated that there are outside the walls of heart 20 000. tional culture. It is calculated that thure are outside the walls of hespitals at least 230,000 sick people in our own country who daily need a nurse's care. The vast field of labor this one fact implies shows us that, when once the needful training can be obtained, no woman need be without employment.

need be without employment. • • • We have been particular in mentioning the difficulties in the way of the would-be nurse, as we fear, in many instances, the romantic halo which has been thrown over the celling halo which has been thrown over the called has proved the attraction to its adoption. The profession is one of the highest and noblect to which woman is called, but the proceeding drudgery is disheartening and painful. and, in order to do any work easily and well, it is needful to learn the rudiments thoroughly. necessity oneself to serve, to learn, and to obey.—From "Occupations Accessible to Wo-men," in "Casself's Household Guide," for July.

PANGEROUS PAPER HANGINGS

The sanitary chemist of Breslan, Dr. Franz Hulws, reports that he has frequently found not inconsiderable quantities of arsenic in not inconsiderable quantities of arsenic in tapstries and hangings sent to him for exam-ination. It was not alono in the well-known bught green paper that arsenic was found, but also in bulkh green, gray, brown, and red patterns, corresponding to similar results in other places.

io on 1,000 square feet of surface of this paper, enough for a large room, was about 2 grammes, or 30 grains.

or 30 grains. Lakes, which are precipitates from alkaline solutions of organic coloring matter by means of alum or chloride of tin, frequently have arsonic added to them to make them brighter and more pleasing. These lakes were made of madder, cochineal, and sandal-wood, but the brightest and most beautiful are the lakes unde with aniluse colors with the addition of the brightest and most beautiful are the lakes made with anilne colors with the addition of arsenic. In the lakes we meet with a series of dangerous colors previously but little notio-ed, these colors must now all be suspected of containing arsenic. Reichard of Jeas fourd from 1.96 to 3.49 per cont. of arsenious acid in such lakes which were designated as free from arsenic. Hallwachs, of Daranstadt, found an enormous quantity of arsenic in a very popular Pompeiinn red paper hanging. In one French paper, printed with dark red velvet flowers on gold ground, arsenic was distinctly proven by the Reinsch, Battendorf, and Marsh tests, and with Fleck's silver solu-tion. tion

Arsenic is least suspected in the dull gray or brown hangings. These indefinite mixed colors are frequently made from the residues of different dye pots and contain a reenic, partially for this reason, and partially because of the greater c- less contamination of the raw materials used in dyeing with this poisonous materials used in dyeing with this poisonous substance. These phases of the cuse were ob-served both in a yellowish gray paper with gold figures, and one of light and dark pattern, the brown orntained 2.1 grammes en a surface of 1,000 r juare feet Although the figures are relatively small as compared with those of formerschein where there is a paper of the surface of Sonnenschein, where green papers con-tained 1.8 to 4.4 grammes of arsenic in a square foot of surface, yet in general the in-juriousness of arsenical hangings has been established. Gmelin first proved that living established. Gmelin first proved that living in rooms covered with arsonical paint or paper was very destructive to health; and these facts were substantiated by Oppenheim, Bunsen, Von Fabian, Eletzinski, Phillips, and othera. Besides the above mentioned investigators, the following chemiste have examined this subject, namely, Gintl, Wittstein, Halley, Williams, Basedow, Vohl, Kirchgaser, Hagar, Hamberg, and others. Recently Fleck has furnished the most striking proofs, by his very interesting and rationally conducted experiments, that not only does breathing the arsenical dust loss-ened from the walls and hangings injure the health, but that, by the action of moisture and adheave organic substances, like glue, paste, health, but that, by the action of moisture and adheave organic substances, like glue, paste, and gum, the arsonical pigments evolve that terribly poisonous arsonical pigments evolve that terribly poisonous arsonicated hydrogen gas, which is diffused through the room and may be the cause of dangerous illness. It is de-sirable, says Hulwa, to direct public attention to the use of arsonical colors in clothing, artificial flowers, toys, window and lamp shades, wafers and other articles. The public must be continually taught that arsonical colors have already done much harm, and are expable of seriously injuring the health, and ought, as much as possible, to be excluded from common use. The sanitary police of Brealsu, acting on Hulwa's suggestion, have passed an ordinance forbidding the sale of goods colored with arsonical dyes or pigments. goods colored with arsenical dyes or pigments Scientific American.

WHY THE BAROMETER RISES AND FALLS.

First of all, what is a barometer? It is a tube or pipe, closed at one end and open at the other, and made of some transparent maternal, such as glass, so that it may be seen through. This tube is filled with the melted n.ctal called This tube is filled with the melted netal called mercury, and when quite full, the thumb is placed over the open and (so as to keep the mercury from falling out), and the tube is turned upside down. So the closed cal is at th-top, the open end at the bottom, and if the thumb were removed, the mercury would, of course, run out. But now suppose you wished not to waste any, and so put the open end of the the into a basin with some more mercury in it, and then removed your thumb, what would happen? "Why, the mercury would all run out into the basin," some one will say. But this is a mistake, as the Italian philosopher Torricalli found out: and whatever size or patterns, corresponding to simular results in other places. In most cases it was not due to the direct use of arsenical proments like Scheele's green, Parts green, Braunchweig or Brunswickgreens, orpment, royal yellow, etc., but the arsenical thirty inches of the tabe will remain full of maccuon was so strong that it ought not to be passed over in silence. The presence of arsenical thirty inches of the tabe will remain full of maccuon was so strong that it ought not to be additions made to brighten the shades of color of the tabe out of the maccury or make a hole or adulterations, sometunes it was referred to additions made to brighten the shades of color Not mirequently suspiciously bright green to make it more aslable. Such hangings must be the more dangerous because people are doceived in regard to their poleonics chastree tors. In one such cases, a dull bluich green pattern was found to contain a surprisingly in green and view greens, the will remain full, for there is widently less of unrecury up a mountain, less and less of the two the of the normaling in the date will remain full, for there is widently less of unrecury in the basin state the two only thing which was on the mercury in the basin was the air, and that it was probably the weight of the air pressing co the metal which prevented its run-ning out into the ".xin. " If so," thought in green and very clogant relived paper, the will remain full, for there is widently less are above the basin at the top of the momtain arsenie was evidently added to increase the brilliancy of the colors. The amount of arsen-

found to contain different quantities of morenry ou differen. days Ca a fine day the morenry will, as a rule, stand higher in the tube than on a wet day or just before rain; and now for the reason of this Why does the barometer rise (or, rather the mercury in it) in fine wea-ther, and fall when it is going to be wet? Now dry air is much heavier than wet

air, or air containing steam. The consequence is, that when the air gets moist it become lighter, and presses less on the mercury of the In presses less on the mercury of the the barometer, so more mercury flows out into the basin, and, consequently, less remains in the tube, or as we usually express it, the bar-ometer falls Now, when the air is very wet, there is, of course, more chance of rain than when it is dry, for rain is formed by the cooling of the steam contained in moist air From "Lattle Folks" for July of the

SHADE TREES -The custom of having a pro-Fusion of trees around the dwelling, almost a mania in some instances, is as unphysiological as it is moonvenient. And when these trees are evergreens, as they sometimes are, the oril is still more apparent, shutting out the light are evergreens, as they sometimes are, the orm is still more apparent, shutting out the light of the glorious sun at all times, but particular-ly in the winter, when this is especially grate-fol to all sentient beings. Light is a positive necessity of unimal and vegetable life-mo more so of vegetable than of animal life. The foliage of these trees is often so thick as to effectually shut out every ray of light, leaving what should be the home, where it is intended that youthful bodies and immortal spirits should be properly reared, dark, damp and desolate, in appearance but little less than a prison-house. ULder such circumstances the dampness is overywhere, the darkness is grown so thick as to be felt, mould is on the wall-, in the cellar, moisture in the bedding, *malaria* practically filling the house The carpets are not faded -only mouldy-but the checks and lips of the young are, and the nerve, energy, and vigor and endurance are wasted. The inmates may not be tanned and investigation is the real and energy, and vigor and endurance are merce, energy, and vigor and endurance are wrasted. The inmates may not be tanned and freckled, but in their stead are the pale and endurerous countenances, the sallow look of blight and rain. The sore threats, the weak eyes—light is the food of the eye – the flared muscles, the general prostration, all indicate the violence inflicted. The whole idea is wrong, nearly or quite suicids.' All n-ture loves hearly of quite suitable. All fitting loves the light, rejoices in the sun, basks in its life-imparting, joy-inspiring and health-evolving beams. Man alone shurs this boon Cut down those trees, or most of them, if they shut out most of the light from the home : consign them to the store, and in that way one bless-ing will follow-warmth, while discusses will diminish. - Watchman

REMEDY FOR INSECT PITES. - When a mass quito, flea, gnat, or other noxious insert, punctures the human skin, it deposits or in-jects an stom of scidulous fluid of a poisonous Jeck an atom of schalous hind of a poisonous nature The results are irritation, a sensation of tickling, itching, or of pain. The tickling of flics we are comparatively indifferent about, but the itch produced by a fica, or gnat, or other noisone insect, disturbs our serenity, and, like the pain of a waxp or a bee sting, excites us to a remedy. The best remedies for the sting of insects are these which will instantly neutralize this acidnlous poison deposited in the skin. These are either ammonia orborax the skin. These are either ammonia or ourna The alkaline reaction of borar is scarcely yet However, a time will In a nixing rescuent of borsk is scarcely yet sufficiently appreciated. However, a time will come when its good qualities will be known, and more valued than ammonia, or, as it is commonly termed, "hartshorn" The solu-tion of borax for insect bites is made thus: tion of borax for insect bites is made thus-Dissolve one onnoe of borax in one pint of water that has been bolled and allowed to cool. Instead of plain water, distilled rose water, elder, or orange flower water, is more pleasant. The bites are to be daubed with the solution so long as there is any irritation. For bees' or waspe' stings, the borax solution may be made of twice the above strength. In ourse this solution given d do lost every farm-house this solution should do kept as a household remedy .- S. Piesse.

as a household remedy.—S. Piese. — There is a factory in Idar, Germany, where the coloring of stones for art purposes is said to be carried on to a greater extent and more perfectly than in any other part of the world, the process pursued in any other part of the world, the process pursued in any converting chalcedonies and red and yellow cornelians in-to myrkes resulting in the production of admir-able specimens, which are known and prized in all the markets of Europe and America. The peculiarity of this process consists in the fact that the ribbons or zones in the different variences of chalcedony—which in the homey-formed masses of that substance, he super-imposed—differ in their isoture and compact ness, but, owing to their similarit. of volor alur Lolor in the natural state, they can only be a guided from each other with difficulty

experiment; and to his great delight, he found the increury getting lower and lower in the tube, thus proving that it really was the weight of the air that kept it in the tube at all, and so the instrument was called a bar-ometer, which is derived from the Greek, and means in plain English, a "weight measurer" But if the barometer is watched it will be router of the approximation of the stone is different from every stratum or zone, a number of thus will be produced corresponding to the august of the and the different increase of more and here and here and the approximation of the stone is different from every stratum or zone, a number of the stone of the approximation of the stone of the stone of the stone of the approximation of the stone of the stone of the stone of the approximation of the stone of the approximation of the stone of the approximation of the stone of the st produced corresponding to the number of zones, each being distinct, and colored in pro portion to the quantity of the fluid absorbed. In this way a specimen of stone naturally but slightly colored may be rendered equal to fine stratified chalcodony or onyx, and may be employed equally well in the engraving of exmess, or for any other purpose where the variety of color can be rendered available

DOMESTIC.

PROPRIETY IN DRESS.

Propriety, that is fitness for our purpose good-ness in its own kind, and suitability to ourselves at the present time. Fitness of purpose is a very conspicuous element in propriety, and often strikes people at fitness. But unfortunately, fashion somepurpose is a very conspicuous element in propriety, and often strikes people at once. But, unfortunately, fashion some-times leaves it quite out of sight; and girls who wish to dress in the fashion fancy that they can conform in such particulars without njury. But no girl looks well dressed with, c.g., a hat which is no screen, for the purpose of having a hat is to sure the head. No girl looks well dressed without a mantle of some sort in very cold weather, unless the material of her dress tells at once that she cannot be cold. Tell me, for yourselves, whether any article of dress which is smaller than usture intended the organ inside it to be, can be intended the organ inside it to be, can be otherwise than a disfigurement? A slendor being the second and therefore revolting to un-ophisticated cyes, —as extrem in the opposite direction. Your good sense tells you at once that as soon as any member is out of priportion with the whole body it is unsightly But carry on the same thought a step farther, and you will see that articles of clothing which make you look deformed can never bein good tast. The head bears a certain fixed proportion to the figure, the back of the head to the face and to the height. If you are deformed in any of these particulars, we pity you from our hearts, to the height. If you are deformed in any of these particulars, we pity you from our hearts, and will do our best f cheer you under your affliction But to pretend a deformity until it becomes real to simulate a distorted figure which no painter or sculptor could work from -is unworthy of educated persons First, then, in determining the propriety of any gar-ment, think whether it really answers the pur-pose for which it is intended, and looks as if it did so Reject fanciful triamingrs and elaborate divisor up purch (deling or wherever mud devices in rough clothing, or wherever mud, snow and rain will come into contact, and clumsy or coarse contrivances for the drawclumsy or coarse contrivances for the draw-ing-room, especially in those articles which re-present a lady's linen—that embodiment of refinement and purity Reject shoes and boots which even look as if they could not be walk-ed in, dresses which do not cover your body, jac-kets which look too tight, kirts which look as if they entry do not be fore they walk kets which look too tight, kirts which look as if they could never be free trom soil. One more caution: but it is a very serious one, almost too serious, only that your freedom of action must be taken away from you if you neglect it, lest you should run into dangers which we would willingly ignore, but dare not. Re-ject all out of doors clothing, whether in detail or as a whole, which looks "attractive," "fascinating," or "distinguished When you are out of doors, you have no business to attract, to inscinate or to be in any way conspicuous.-Fireside.

FRIED OMELET.—Three eggs, two gallsmilk, two tablespoonfuls flour, a little salt and pep-per. Fry on a hot griddle.

SUGAR COOKITS (VERT GOOD) .- One cup of butter, two of sugar, three eggs, five enga flour, two tablespoonfuls of sour milk or if sweet milk, add two teaspoonfuls crown tarter sifted in the flour), one small tenspoonful soda and spice to suit the taste. Bake quick.

To Srt GERANIUXR.—Having seen the state-ment that searlet germinums are almost workers to the Flower Mission, as they are such ' travellers, I call attention to the fact that we had they are such of allocation of the fact that we find that a w sture of shellar spirit of wina, d for oiling a put into a ... the can such as is used for oiling a sewing machine and a very little of the mixture of the sewing-machine and a very little of the mixture rting dropped into granniums, pelargoniums, and azaloss, "ects" them so that they do not fall, limit-and they travel beautifully from the country rized to London after being treated in this way. The proportion should be about a ton-spoonful of a the shellse to two of spirits of wine. The small caused by the spirits of wine soon goes off, intry-is better used for colored than white flowers a little, it is better used for colored than white flowers they are made into bouquots. This plan has earry us so much annoyance that I think it The should be well known