## THE FRET II WINTKRR.

Sometimes in washing the feet in warm water a great deal of scurf or whitish soft substance may be scraped from the soles. This is dead skin, dried perspiration, and other accumulations, all resulting from a want of personal cleanliness. These accumulutions occur most in winter, when washing the feet is neither as couvenient nor agreeable as in sammer time. Many persons suffer from cold feet, simply from a neglect to keep them olean. Hew suffer thus in summer time, one reason for which is that the akin is moist, the pores are open, a free evaporation takes place, and the blood is iuvited to the surface. In winter the skin is dry, harsh und cold. To keep them constantly warm and comfortable is indispensable to good health, and to do this the surface must be brought to the condition of summer-that is, must be soft and somewhat moist, instead of being harsh and dry. This may be soon brought about by soaking the feet in warm Water for half an hour at a time daily, using most freely a very stift brush, with good soap. After the akin has become soft and smooth, a good washing with soap and warm water twice a week duriug colu weather will greatly contribute to a healthful condition of the feet as well as to personal comfort. If the feet are kept unexceptionaily clean. and are nevertheless inclined to be dry, cunsiderable benetit will be derived by rabbing into the soles every morning a little sweet oil, 20 or 30 drops to each wle, with the palm of the hand, patiently and well, the object belug to secure by artificial means, that softness and moistness Which is known to favor evaporation and invite thither the flow of blood. It in addition, tue feet were placed in cold water regularly every morning (when not unwell) not over two inches deep, and remaining in not over half a minute in cold weather, thei sub briskly diy with a coarse cloth, next with the hands, all lollowed by a biisk walk or stamping for a minute or two, or atill they begin to feel comfortably warm after the cold bath, an tup provement in the condition of the feet would be secured in a ${ }^{5}$ is sonably short time, which would largely compensate for the $\mathrm{t}_{\text {icuble taken. -Hall's Journal of Health. }}$

## HOW LONG WE ARE TOILVE.

It is not every one who asks himself this question, becanse, atrangely enough, it is the beliel of many persons that their lives wili be exceptioually lengthy. However, life assurance companies ure aware of the credulous weakness of those whose lives they masure, and have therefore compiled numerous tables of expectuluey of lite for their own gudance, which are carefully referred to befure a policy is granted. The following is one of these well. autheuticated tables, in use among London assurance compaHies, showing the expectancy of life at various ages. In the tirst column we have the present ages of persons of average health; aud in the second column we are enabled to peep, as it were, bebind the scenes of an assurance ottice, and gather from its tuble the number of years it will give us to live. This table has
been the result of been the result of careful calculation and seldom proves mislead. ing. Of course, sudden and premature deaths, as well as lives asusually extended, occasionally occur; but this is a tale of average expectancy of life of an ordinary man or woman:

More yrs. to live.
$\qquad$
$\qquad$
Our readers will easily gather from the above tabalated state-
ment the number of years to which their lives according to the
law of averages, may reasonably be expected to extend.

[^0]casting should be moved along the face of the anvil as the work progresses.
Cause of Drunkenyess.-Dr. Jackson expresses the opinion that one of the most common inducements to the use of alcohol, is that people overwork themselves, and being so exhausted that they caunot sleep, resort to smoking, chewing and alcohol drinking. This may sometimes be the case, but we can testify to having learned by observation that men do not become drinkers because they cannot rest, but because instead of devoting their leisure hours to useful reading and proper entertainnuents, they spend them in drinking saloons among dissipated companions, or they drink at home to kill time. When a man is fatigued from bodily labor, all he has to do is to keep his mind occupied with reading, or have others read to him, and he will soon feel sleepy, The kind of reading has, of course, much influence, and a man must learn by experience what kind of literature will keep him awake, and the sort that will cause him to sleeep.
Soda for Burns.-All kinds of burns, including scalds and sunburns, are almost immediately relieved by the application of a solution of soda to the burnt surface. It mast be remembered that dry soda will not do unless it is surrounded by a cloth moist enough to dissolve it. This method of sprinkling it on and covering it with a wet cloth is often the very best; but it is sufficient to wash the wound repeatedly with a strong solution. It would be well to keep a bottle of it always at hand, made so strong that more or less settled at the bottom. This is what is called a saturated solution ; and really such a solution as this is formed when the dry soda is sprinkled on and covered with a moistened cloth. It is thought by some that the pain of a burn is caused by the hardening of the albamen of the flesh which presses on the nerves, and that the soda dissolves the albumen and thus relieves the pressure ; others think the barn generates an acrid acid which the soda neutralizes.

Warm Clothing.-If you are apt to feel chilly dress warmly at home. A wadded coat will enable the cinilly man to sit and work anywhere in doors, and so will an extra suit of thin flannel worn during the whole of the active day. Just let any one who doubts what we say try the very simple expedient, when the chilliness becomes unbegrable, of putting on his dressing gown over his ordinary clothing, and in five minutes he will be perfectly comfortable and ready for work, while he will not sutter as he fancies he will, when he goes oat of doors. The popular notion upon that subject is a mere delusion. You are not strengthened for outdoor work by shivering indoors, but rather weakened; habitual warmth, if not too great, being one of the best preservatives of constitational strength. Always try to remain moderately and healthfully warm.

Maxing Glue Waterproof.-The best substance is bi-chromate of potash. Add about one part of it, first dissolved in water, to every thirty or forty parts of glue ; bat you mast keep the mixture in the dark, as light makes it insoluble. When you have glued your substances together, expose the joint to the light, and every part of the glue thus exposed will become insoluble aud therefore waterproof. If the substances glued together are translucent like paper is, all will become waterproof ; if opaque like wood, ouly the exposed edges will become so, but they also protect the interior-not exposed parts-against the penetration of moisture.
Lime for Dipateria.-A child in Aubarn, ill of diphtheria, and whose life was despaired of, was cured by slaking lime. Small lumps of lime were kept constantly slaking near its month for a day and a half, until over a barrel lime was thus slaked. The ohild was thought to be dying before this remedy was employed. It breathed the fumes constantly until cured.
Nuthiment in Bears.- One pound of beans will support life in action as long as four pounds of rice. Two pounds of beans will help do more mascular work than three pounds of wheat, and more brain work than three and one-half pounds. The reason why beana require stronger powers of digestion than wheat is that they contain casein instead of glaten.

Naw Kinde of Platisd Shest Iron.-In Iserlohn, Weatphalia, thin shoet iron is plated with alloys of niekel, or cobalt and manganese. A half of one per cont. of manganose makes cobalt and nickel very malleable, tluid when melted, and dactile. The plates, which are already in the market, are beautifully white and brilliant.
-The first gold mine in the United 8tates was diacovered in South Carolina, in 1790.


[^0]:    - Prraightening Castings.-Sometimes a casting is warped Heco is ing and reyuires strasghteuing before being nased. If the plece is
    so
    bed by piaued or otherwise fiuished it should be straighttreatment heating and placing weights upon it. If it yields to this nopeded, it will retain its corrected form after the scale is reto be , aud through all the after processes; but, if the piece is With the withouitinishing, it may be straightened by "pening" end the hammer-strikiug with the "pene" or wedge-shaped indentar machuist's hammer. This process makes a series of of the cions on the convex side of the iron, stretching the "skin" Torking casting ; but when these indentations are removed by after " Peongiay, the casting is liable to return to its curved form. In should peg that portion of the casting that receives the blow it other wordsediately over the face of the auril or bench block; it other worda, each blow should tind a solid resistance, and the

