

not be a first class nurse after two years' training in one of these schools.

The work of women in training schools is necessarily very hard and they certainly deserve the small salary they receive during their two years of service, which is ten dollars a month during the first year, and fifteen dollars a month the second year.

Nursing is certainly a profitable profession, not only financially, but charitably. At private nursing a woman receives from fifteen to twenty-five dollars a week. To be sure she does not have employment all the time, still a good nurse need have no fears of becoming rusty in her work. If a field is not open in one place, it is sure to be in another. While she is out of a paying situation, she can be caring for the sick poor, who can seldom look to any one but their Heavenly Father for aid and comfort. L. M.

A gigantic pendulum—a bronze wire, one hundred fifteen meters long at the end of which is a steel globe weighing ninety kilograms, has been suspended in the Eiffel Tower, for the purpose of demonstrating visibly the motion of the earth.—*Popular Science Monthly*.

The largest barometer that has ever been made, is one that is forty-one feet, five inches in height. It is now in working order, and is stationed in the St. Jacques Tower, in Paris.—*Popular Science Monthly*.

Advantage is to be taken of the Eiffel Tower to fix in it a manometric tube in which mercury can be poured to form a column that will give a pressure of four hundred atmospheres. M. Cailletet hopes to be able to make use of this enormous pressure, in continuing his experiments in the liquefaction of gases.—*Popular Science Monthly*.

## EDUCATIONAL DEPARTMENT.

### GENERAL BOOTH'S PLAN.

Gen. Booth, whose name may now be heard on the lips of almost every one interested in reforms, has not gone blindly into the work of rescuing degraded men. His life has long been consecrated to their service. At first, he and his followers of the Salvation Army worked with the welfare of souls in view, but later they have cared also for the physical condition of the poor. By combining these two aims, and working in a

systematic way, Gen. Booth hopes to accomplish what others have failed to do.

There are about \$3,000,000 whom Gen. Booth has given the name of "The Submerged Tenth," and whom he wishes to help direct. He has laid down seven principles by which he thinks the reformer should be governed. "The character and conduct of the man to be reformed must be changed when they are the reasons for his failure; and the remedy, to be effectual, must change the circumstances of the individual when they are the cause of his wretched condition, and lie beyond his control." He would go to the bottom and remove the cause of the evil.

"The plan must not only be permanent, but also immediately practicable." Again the help is not given as charity; "the indirect features of the scheme must not be such as to produce injury to the persons whom we seek to benefit."

Gen. Booth wishes to have the people help themselves. He proposes to establish three communities on the principle "The waste of society can and should be utilized in providing for the men whom society wastes." The first of these colonies is the City Colony, a preparatory school for the second, the Farm Colony, which is a training ground for the third, the Over Sea Colony. Labor will be transferred from places already overcrowded, to those where it is needed.

There are few that would dare to undertake so great a work as this, but many will stand off and criticise it. Very likely there are many things in which Gen. Booth will fail, but a man whose whole sympathies are with the poor, who has made a life-long study of them, and finally thought out a plan for helping them, will certainly succeed to a very great extent. Already a City Colony has been established on a small scale, under the direction of the Salvation Army. There are food and shelter depots where food is sold at extremely low prices; if a man has no money, he is given the food and shelter, but is made to earn it, if he is able, by working in the labor yards. At Whitechapel there is an experimental City Colony where poor men have been set to all sorts of work. They come on two conditions, that they shall show themselves willing to work, and that they shall obey orders. While they are here attempts are made to save them spiritually, but if they are not converted they are not turned away. From this colony they are sent to the Farm Colony, and thence to the Over Sea Colony.

This is a great work, but Gen. Booth says,