

Manual Training Department.

By F. PEACOCK.

Industrial Education.

As a people, there is nothing in which we take a juster pride than our educational system. It is our boast that every boy and girl has a chance to get a school training. Nevertheless, our school system has been very deficient on the side of industrial training, the training that fits a man for the workshop and the farm. We have tended to regard education as a matter of the head only, and the result is that our boys and girls have been trained in merely literary accomplishments, to the total exclusion of industrial, technical and manual work—and in real life most work is industrial. Book-learning is very important, but it is by no means everything; and we shall never get the right idea of education until we definitely understand that a man may be well trained in book-learning and yet, in the proper sense of the word, and for all practical purposes, be entirely uneducated; while a man of comparatively little book-learning may nevertheless, in essentials, have a good education.

This lack which has existed in our educational system is a serious one, for no one can look at the peoples of mankind, as they stand at present, without realizing that industrial training is one of the most potent factors of national development; and manual training, which goes far towards supplying this want, has been introduced none too soon, and should receive the enthusiastic support of all progressive and patriotic citizens.

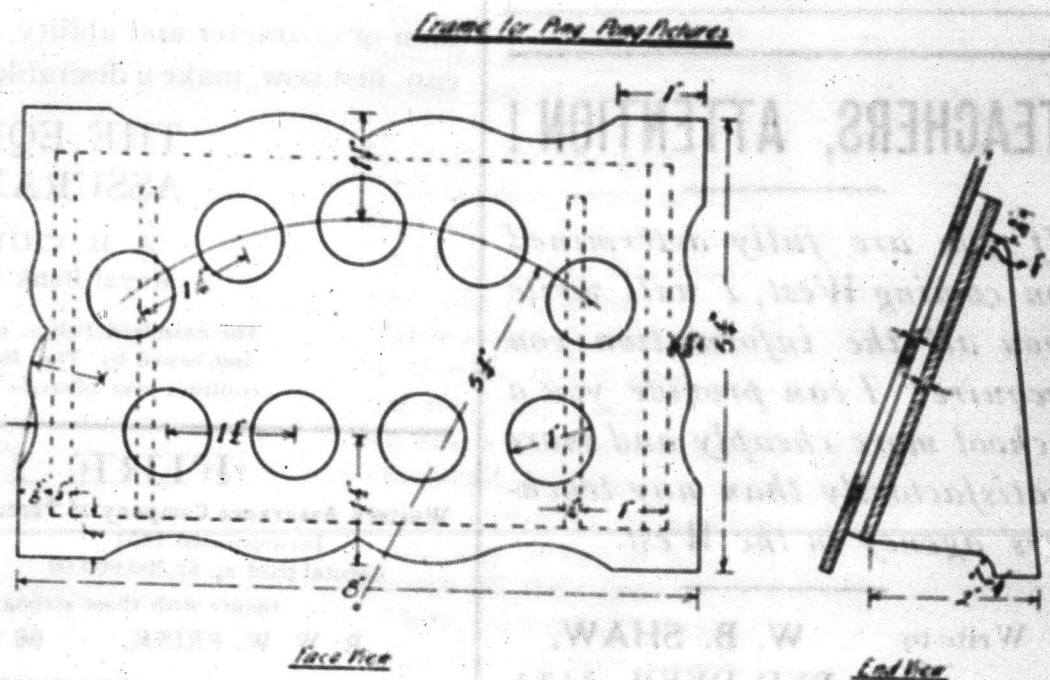
Manual Training in Maine.

Manual training has been living and growing in Maine since 1893, and it has had government aid since the legislature, in 1901, passed an Act for the purpose of encouraging it in the public schools. The manual training movement had its beginning, as far as this state is concerned, in Portland, through the public spirit of Mayor Baxter, who contributed his entire salary towards the cause in the year it was established in his town. Soon after this Mr. S. D. Warren, of Boston, offered to buy a manual training equipment for the schools

of Westbrook, and to pay the teacher's salary for one year if the city school board would agree to continue this salary for two years. The offer was accepted, with the result that manual training was firmly established in Westbrook.

Thus a number of the early schools were established through the liberality and foresight of single individuals. But gradually the local boards have come to see the value of manual training, and since 1901 it has had state aid, so that now there are more than a dozen large and effective centres of industrial training.

Perhaps Bangor has one of the best equipped departments in the state. It was established in 1904, and courses were provided in paper-folding, cardboard construction, raphia reed, woodwork and sewing; the work being taken, in some form, by all the students in grades one to nine inclusive,



with mechanical drawing for the high school students. Later a household science department was opened for the girls; and lathes were installed in order that the boys might supplement their carpentry with a course in wood turning.

A Useful Model.

A useful and necessary piece of furniture in any study or library is a magazine rack. A simple, yet ornamental, one can easily be made by students who have completed the first few models in our course. Take half inch whitewood, pine or bass (preferably whitewood) and rip out six slats that will finish $3\frac{1}{2}$ inches wide by $2\frac{1}{2}$ feet long. Work up with saw, plane and spoke-shave, making one end of each semicircular, and leaving the other square. Rip out and finish four shelves one foot wide and 18 inches or 20 inches long. Fasten