

one year: appropriations to individual Institutes to be made as follows:—

1st. The grant to any Institute, specially for class instruction, to be equal to the amount locally contributed to such Institute; but in no case to exceed the sum of \$200:

2nd. The grants to be paid through the Board of Arts and Manufactures, on the same conditions named in the foregoing scheme, as to supervision, reports to Board, and retention of *ten* per cent for examination prizes and expenses; but the whole of the remaining *ninety* per cent, to be applied to *class instruction* only.

In adopting this last plan of assistance, the requirements upon the fund would not—in all probability—average more than \$1,000 for the first three or four years; and several years would elapse before the whole sum of \$5,000 would be required for the purposes named. As time would progress, and Institutions doing *class work* would increase, so would they also in pecuniary means; so that when a sum exceeding \$5,000 for any one year would be locally contributed, the grants to each Institute might be proportionately diminished, so as not to increase the whole amount.

In connection with the above, and as a part of the scheme—but which for the present might be left in abeyance—the Board proposes the following programme for the establishment of a Central School of Arts:

1st. That the School be in three divisions, each distinct from the others, and to be commenced either separately or together as circumstances may permit.

The first division to be for the study of Natural Philosophy and Chemistry.

The second division for Drawing, Designing and Modelling.

The third division for Practical Mathematics.

2nd. The course of study to be pursued in the first division should embrace those subjects contained in classes 8, 13, 15 and 16 of the programme of annual examinations of the Board for the present year, namely, "Principles of Mechanics," "Practical Mechanics," "Chemistry and Experimental Philosophy," and "Geology and Mineralogy."

The teacher of this division should be a gentleman engaged by the Board at an annual salary. His duty should be, 1st, to give practical instruction in the classes during their sessions, on four nights per week; and in each week to give one popular lecture on science. 2nd. For one month preceding the fall session, and for one month after the spring session, to travel as a lecturer to those Mechanics' Institutes affiliated with the Board. 3rd. To edit a Chemistry and Experimental Philosophy department of the Journal. With a view to supplementing the salary paid by the Board, he be allowed to practice as an analyst on his own account, when not engaged in his duties in connection with the Board.

3rd. The fall session to commence on the first Monday in October, immediately after the teacher shall have finished his first month of lecturing, and to continue until the Friday preceding Christmas-day. The spring session to commence on the second Monday in January, and continue until the last Friday in May; after which the teacher should travel and lecture during the month of June. During the months of July and

August there should be full vacation for the teacher, excepting his duties in connection with the *Journal*.

4th. During the sessions, two evenings in each week should be occupied in the study of Natural Philosophy, and two evenings in Chemistry; and on one evening in each week a popular lecture on some practical scientific subject should be delivered, the admission to which should be free to the public, with a view not only to impart instruction as widely as possible, but to induce individuals to join the school.

5th. The second division should include instruction in Elementary and Geometrical Drawing, as well as the higher branches of Art; particular attention being given to the drawing and modelling of organic forms, with a view to the attainment of such an accurate knowledge of their structure as shall enable the student to apply them with power and truth to every branch of decorative art or manufacturing industry. Instruction by means of lectures to be given on the fundamental principles of decorative and constructive design.

The Board to provide suitable casts and appliances, to which more attention should be given than to drawing from copy.

To pupils entering in the Geometrical Drawing department, it should be requisite that they have previously passed through a course of instruction in practical Geometry.

6th. The third division should include instruction in classes 6, 7, 11 and 14 of the programme of examination, namely, "Algebra," "Geometry," "Trigonometry," "Mensuration," and "Conic Sections."

7th. The second and third divisions should be under the charge of a separate teacher, or teachers, from the first division; and should each meet for instruction on two evenings per week during the fall and spring sessions of the school, on which evenings only would the services of the teachers in these divisions be required.

8th. Pupils before entering in either the first or third division, should be required to pass a preliminary examination, in rudimentary studies. At the close of the Spring session in each year, pupils should be eligible to stand for examination and certificates at the annual "Final Examination" of the Board.

9th. The first division would require a Laboratory fitted with apparatus for the illustration of Chemistry. The gallery of the Model Room might be made suitable for the purpose. The Model Room, with occasional use of the Library, would afford ample accommodation for general instruction in this division, and for the exercises of the second and third divisions.

10th. The expense of fitting up and furnishing apparatus, is estimated at \$600. The annual expense as follows:—

Teacher of first division—Salary	\$1,000 00
" second and third "	400 00
Annual expense of apparatus and chemicals.	300 00
Fuel, light, &c., &c	150 00
Contingencies	150 00
Total	\$2,000 00

11th. That the school be open FREE, or at a mere nominal charge, to all, of both sexes, who may be able to furnish evidence of worthiness to participate in its benefits, and who continue to manifest diligence and punctual attendance, and obedience to the rules.

12th. The Board is satisfied that the school, as here suggested, could be efficiently established and carried on for the foregoing sum of two thousand dollars per annum; and that for the first year the sum of \$600 might be appropriated therefrom, for the necessary apparatus and fitting up; so that, for this small expendi-