

several times, so long as the copper is not exposed. But it is very important that the mercury should be removed each time, as before explained, by pumice and oil, frequently changing the cotton; otherwise, the mercury will finally adhere to the silver, and the impressions obtained upon this amalgam, are always imperfect, wanting both vigour and cleanness.

Franklin Institute

Sixty-third Quarterly Report of the Managers of the Franklin Institute.

The Board of Managers respectfully present their report for the past quarter.

This quarter, including the summer months, is one of the least active of the year, and its operations are chiefly confined to preparations for the busy season which follows it. The lectures and schools of the Institute have, as usual, occupied much of the attention of the committee having charge of them. The regular lectures on general chemistry, on mechanics and natural philosophy, and on technology, will be again given by Professors Mitchell, Cresson, and Booth, whose services have heretofore been so highly appreciated by the members of the Institute. An arrangement has also been made, by which it is expected that a brief course of lectures on architecture may be added to the regular lectures. The regular course will begin on the fourth of November next. The drawing school will open on the twenty-second instant, with the usual arrangements, as far as the department of miscellaneous drawing is concerned, and under the charge of the former able teacher, Mr. William Mason. It has been deemed advisable, chiefly with a view to prevent interference on the part of our school with that of the Carpenters' Society, to suspend the instruction in the architectural department. It is, however, due to the former teacher, Mr. J. McClure, to state, that previous to coming to this determination, it had been ascertained that his engagements would prevent him from continuing in the charge of the school.

The monthly meetings have been resumed, and the first of the season, which was held on the fourth Thursday of September, was well attended, and supplied with objects of interest. The committee who have charge of the arrangements for their meetings, are active in endeavouring to bring before the members new objects of mechanical or scientific interest.

The committee of science and the arts have, by direction of the managers, reported the number of Scott's legacy premiums awarded under the authority conferred by the City Councils. These are eleven in number, distributed as stated in the report hereto appended. While the committee desire not to hold the premium so high, as not to be attainable by ingenious inventors for whom it was intended by Mr. Scott, they do not feel justified in awarding it without such scrutiny as shall show that the invention for which the award is made, has real merit.

During the past quarter, exhibitions of domestic manufactures have been held at New York, by the Mechanics' Institute, and by the American Institute, and at Boston, by the Massachusetts Charitable Mechanical Association, to all of which delegates have been sent from this Institute. The display of articles at these fairs, has been represented as very creditable to our country, embracing specimens of the useful arts in a high state of

perfection. The impression made by these visits, is calculated to stimulate our own exertions in future exhibitions of the same kind.

Additions of twenty-eight volumes, have been made to the library since the last report, besides pamphlets and periodicals. The cabinets of models and minerals have also been increased by donations.

George W. Smith has become a life member, and fifteen new members have been elected during the quarter.

The Board communicate with regret, the decease of two of their former valued members, Matthew Carey and Rufus Tyler. Mr. Carey was one of the first Vice Presidents of the Institution, and took an active interest in its concerns, when every effort was required to place it in its present favourable position before the public. Mr. Tyler was one of the early members of the institution, and served for many years in the Board of Managers, and upon committees of the Institute, with zeal and ability. His name is connected with the prominent undertakings of the institution since its commencement, and as a contributor to the pages of the Journal, his services also deserve mention. Three years since, Mr. Tyler accepted the situation of chief coiner at the Branch Mint of New Orleans, in which city he fell a victim to the prevailing epidemic in September last, bearing a character for fidelity and ability in the discharge of duty, under trying circumstances, the reward of the zeal and skill which he had already displayed in his new vocation. Respectfully submitted.

(Signed)

JOHN AGNEW, Chairman.

William Hamilton, Actuary.

COMMITTEE ON SCIENCE AND THE ARTS.

Report of the Committee to the Board of Managers.

The Committee on Science and the Arts, report by direction of the Managers of the Franklin Institute, the number of premiums awarded from the Scott's Legacy Fund, in virtue of the authority delegated to the Franklin Institute, by the City Councils. The following list contains the date of the recommendation of the award, the name of the inventor, and the title of his invention.

- 1835. Feb. 12. Philos B. Tyler, of Philadelphia, for a shifting gauge
cock for steam boilers.
- March 12. Thomas Ewbank, of New York, for tinned lead pipes
for conveying water.
- May 14. McMullin & Hollond, of Sinking Valley, Pa., for a
knitting machine.
- “ Amasa Holcomb, of Southwick, Mass., for a mounting
for a reflecting telescope.
- Nov. 12. N. Bassett, of Wilmington, Del., for a compass for de-
tecting local attraction.
- Dec. 10. W. A. Burt, of Michigan, for an instrument to deter-
mine the variation of the compass.
- 1836. May 12. A. Prutzman, of Philadelphia, for a door lock.
- 1837. March 9. Little & Elmer, (formerly of Bridgeton, N. J.,) Phila-
delphia, for a chronometer.
- 1838. Sept. 13. E. W. Bean, of Philadelphia, for an instrument to de-
termine latitudes.