

consequence conducted at a lower temperature, and there is less risk of injuring the goods. The solution when sufficiently concentrated, is drawn off by a valve at the bottom of the pan.

There is much to admire in this apparatus; heat is well economised by it, and it is an elegant and scientific arrangement; nevertheless, we much doubt whether it will not be found rather inconvenient in clearing out the solution, and especially the sugar which will attach itself to the hollow radiating arms, for the cleansing of which there is no provision made by the patentee. As no practical mode of effecting this object has occurred to Mr. Atchison, we would suggest to him a very simple one; which is, to put heavy metallic rings loosely on the radiating arms, which would be constantly traversing their surfaces, as the cylinder revolved, and keep them clear of incrustations. [*Ib.*]

## FRANKLIN INSTITUTE.

### *Twenty-sixth Quarterly Meeting.*

THE twenty-sixth quarterly meeting of the Institute was held at their Hall on Thursday evening, July 15th, 1830.

Mr. S. V. MERRICK, was appointed chairman, and  
W. M. HAMILTON, secretary pro tem.

The minutes of the last quarterly meeting were read and approved.

The quarterly report of the Board of Managers, and also of the treasurer, were severally read and accepted, when, on motion it was resolved, that the report of the Board be referred to the committee on publications, to publish such parts as they may deem expedient.

The committee appointed at the last quarterly meeting to fit up the rooms in the hall recently occupied by the United States courts, for a reading room, and cabinets of models and minerals, presented the following report, viz.

The committee appointed at the stated meeting in May, to receive donations, and fit up the reading rooms of the Franklin Institute, report:

That in conformity with the instructions of the Institute, they proceeded immediately to take measures to effect the object of their appointment.

The sum of 406 dollars has been subscribed (towards defraying the expenses incurred in preparing the rooms) by members of the Institute; a list of the donors, with their respective amounts, is herewith presented. Many other members have promised their aid, but have not yet subscribed; their names will be reported at the next meeting of the Institute, together with a catalogue of books presented, with the donors' names. So soon as the committee felt authorized by the amount subscribed, they gave the necessary instructions for making the cases, &c.

In concert with the committee on minerals, they have prepared the north-east room for their use, by arranging in them the cases taken from the first and third stories. These cases your committee

believe will be sufficiently commodious for the present wants of the Institute, and they would respectfully urge the immediate arrangement of the minerals therein.

The model cases from the lower rooms have been arranged at the west end of the hall, which, with the space allotted for models on the tops of the book cases, will afford ample room for present purposes.

Your committee had prepared, eight book cases to stand in the recesses on each side of the windows, intended as the commencement of a general plan to be completed at a future period, by continuing them to the ceiling, extended over the windows, to be approached by a gallery round the room even with the base of the upper cases. This they believe will be found the most economical arrangement, and one giving ample space for the library for a considerable space of time. The committee would call the attention of the members to the vacant shelves, under the hope that either by donation or loan of books, they will assist in placing the library of the Institute on a more respectable footing.

Exchanges for the Journal have been effected with numerous periodical works, and about 25 newspapers, which it is believed will be much increased. Your committee recommend that the rooms be opened to members under suitable regulations, from and after the monthly meeting, on Thursday next, and they feel confident that so soon as the present arrangements are known to the members, the hall of the Franklin Institute will become a point of attraction to the mechanics of Philadelphia generally.

Your committee have prepared rules and regulations for the government of the reading rooms, which they herewith present for your consideration, and, if adopted, they would respectfully recommend that the actuary should be instructed to have them printed on a card, and distributed to each member of the Institute.

The cases, it will be perceived, are not yet finished, the sashes being in the glazier's hands; they will, however, be completed before the monthly meeting.

The committee beg leave, in pursuance of the foregoing suggestions, to offer two resolutions for the consideration of the Institute.

1. Resolved, that the actuary be instructed to give public notice in the newspapers, that the reading rooms of the Franklin Institute will be opened for the use of members, on Thursday, July 23d, and remain open daily between the hours of 3 and 10 o'clock, P. M.

2. Resolved, that the actuary be instructed to have the rules and regulations for the government of the reading rooms printed on a card and transmitted to each member of the Institute.

All which is respectfully submitted, by order of the committee.

S. V. MERRICK, *Chairman.*

*Philadelphia, July 14th, 1830.*

The above report having been read, together with the accompanying rules and regulations for the government of the reading rooms