

And against which is the Mortgage before mentioned of \$500. The Institute was originally built in 1854, since which time no direct appeal to the public for material assistance has been made. The property is one that every ratepayer in town may justly feel proud of, and although the volumes in the Library are not so numerous as we could wish, nevertheless it is one of, if not the very best country Library in Upper Canada. Since the establishment of the Institute, now some 17 years ago, the managing committee have given their yearly services free of charge, and every person on the payment of the small annual fee, has equally the same privileges of the use of the Library, and the same right in the property, as the oldest members in the Institute. Surely where all are equally interested, and feel the same just pride in having in our midst an Institute of this description, an appeal to the public for assistance, ought not to be in vain. When so little is required, and so much given in return, no difficulty should be experienced in raising the necessary funds to pay off our small debt. Fifty subscribers of \$10 each, or one hundred of \$5 each, your committee believe can readily be found in a town of the wealth, population, intelligence and public spirit of Whitby, to accomplish that object.

"Abstract of the Receipts and Expenditures for the year :

RECEIPTS.	
Balance of Cash from last year	\$61 74
Rev. Mr. Pomroy acc't do.	3 50
Episcopal Church rent.....	72 00
Sundries casual rents.....	147 32
Membership Tickets.....	114 00
Receipts at Lectures	2 40
Re-union.....	9 10
Subscriptions for extending and repairing Institute	143 00
Mortgage on Mechanics' Institute.....	500 00

EXPENDITURES.	
Paid note at Bank from last year.....	\$100 00
" Geo. Yule's account.....	34 29
" Fire Insurance and Carpenter's Risk	50 90
" Lecturers.....	10 00
" Books and Reviews.....	23 90
" Librarian's Salary.....	52 00
" Cleaning Hall.....	40 00
" Wood and Cutting, Benches, &c.....	64 73
" Enlarging and Repairing Building, &c.....	671 00
" Balance of Cash to next year's acc't	6 21

\$1053 06

"Statement of Assets and Liabilities :

ASSETS.	
Cash in hands of Treasurer.....	\$6 21
Assemblies from 1864 & 1864-65.....	9 50
C. B. Robinson, for 1864-65	2 00
Scholars at Evening Schools, do.....	11 00
Funds in New York to buy Books.....	9 21
Mechanics' Institute, Building and Lot....	1800 00
Books in Library	700 00
Furniture and Scientific Apparatus.....	400 00

\$2987 93

LIABILITIES.	
Geo. Yule.....	\$42 15
Reviews	10 00
W. H. Higgins.....	6 50
Major Harper.....	15 30
Wm. Bryan	19 00
Mortgage	500 00
Balance, shewing excess of Assets over Liabilities.....	2344 98

Correspondence.

To the Editor of the Journal of the Board of Arts and Manufactures.

DEAR SIR,—Annexed is a rude sketch of a very simple machine for easily separating the grounds in preparing Coffee. I am not acquainted with Mr. H. Boyle, of Napanee, C. W., the inventor, but have tried the machine and find it to answer the purpose perfectly, and send you this short notice as I find it has not been introduced into Toronto as yet. After the Coffee begins to boil, in any common coffee-pot, the machine is introduced into the pot, where it is to remain until the Coffee is sufficiently boiled. The "Settler," as Mr. Boyle calls it, is then taken out, when it will be found that it contains all the grounds, without leaving any grounds of complaint against the ingenious inventor of this clever "dodge."

Now, as to the *philosophy* of Mr. Boyle's Settler. Has the reader ever observed, in travelling along the margin of a stream running through a flat country, how, by a provision of nature, the banks on either sides are raised *higher* than the adjacent lands, and thus the country is protected from the effects of future inundations. While the stream is confined to its usual channel, the mud and sand are carried along. But as soon as it overflows its banks the current is decreased by diffusion, and thus the mud is deposited, and a natural barrier is formed. In the case of the "*Magic Settler*," the liquid in boiling is impeded in its motion by the outside of the *Settler*, when instantly the current ceases, and the Coffee grounds are deposited in the inside.

I remain, dear Sir, yours respectfully,

J. W. DUNBAR MOODIE.

Belleville, C. W., July 6th, 1866.

P. S.—Perhaps Mr. Boyle, of Napanee, might send you one of his machines, on application. At all events, he *ought* to do so, in order to bring it into notice through your excellent journal, which should have a very large circulation through its merits.

J. W. D. M.

[We will with pleasure publish a wood cut illustration and description of Mr. Boyle's "Settler," if forwarded to us by that gentleman.—ED. JOUR.]

The Earth moves upwards of 68,000 miles per hour, whilst Mercury travels 108,000 miles per hour.

13,392 tons of water are every day converted into steam and discharged into the air from locomotive engines alone, in Great Britain.