

## RECOMMENDATIONS.

ANTIGONISH, August 5th, 1861.

HAVING had an opportunity for some time past of testing the power and accuracy of Chisholm's Mathematical Scale, I am happy to be able to state that it far exceeded my expectations.

As a labor-saving instrument, particularly in Trigonometry and Navigation, I believe it has no equal. It should be taught in every school, and no navigator should be without a copy of it.

RODGER McDONALD,  
*Teacher of Mathematics, St. Francis Xavier's College.*

ALEXANDER CHISHOLM, Esq., of Antigonish, has just shown me a very ingenious and, I believe, novel instrument, which he has invented, and which he calls "A Mechanical and Mathematical Scale." From the brief examination of it which I have had the opportunity of making, I am satisfied that it will prove a valuable acquisition to Surveyors, Mariners, Engineers, and business men in general. If accurately graduated it must give correct result. Though exceedingly simple, the sphere of its application is very extensive. The more thoroughly it is known and understood, the more fully it will be appreciated. Its introduction into Schools and higher Seminaries of Education will greatly facilitate the study of Mathematical Science, and probably increase the number of its students. I sincerely wish the inventor much success.

Presbyterian College, Truro, August 6th, 1861.

JAMES ROSS.

TRURO, 7th August, 1861.

I HAVE examined Mr. Chisholm's Scale with Explanations, and have no hesitation in stating that I believe it will be of great utility in our Schools, provided it can be printed at a moderate price. It furnishes an impressive and admirable illustration of the various departments of Practical Mathematics, and, on this ground, I cordially recommend its publication.

ALEXANDER FORRESTER,  
*Superintendent of Education.*

SPRING GARDEN ACADEMY,  
Halifax, N. S., August 19, 1861.

HAVING had an opportunity of examining a Scale invented by Mr. Chisholm, I feel convinced from the satisfactory results which it gave after some severe tests, that it is calculated to be of great service in schools, and particularly to those engaged in navigation, who require to have a correct result, in a short space of time; in

other words it is a labour-saving invention, and as such is deserving of notice. I do not hesitate in giving it my unqualified approval.

JAMES WOODS,  
*Principal.*

HALIFAX, N. S., August 20th, 1861.

I HAVE inspected with very great pleasure the "Mathematical Scale" invented by Mr. Chisholm. Though marked by striking simplicity in its construction, it possesses a range and a precision much superior to any other scale with which I am acquainted. It is not encumbered with tables or a large array of figures, and yet it lays the results of Mathematical processes, which would involve great labour and much time if wrought out in the ordinary way, before one at a glance. The most intricate problems which I proposed were solved with a rapidity for which I was not prepared; the question was hardly proposed before the result lay full and clear upon the scale, and almost as self-evident as a simple axiom. In its simplicity lies its astonishing power; since it is equally applicable to the solution of the most difficult problems in the various departments of Practical Mathematics, and to the elucidation of the abstruser truths of pure science. It is a scale which will be more appreciated by any one in proportion to his Mathematical skill; and those most advanced will see more clearly into its unrivalled powers and be more ready to acknowledge its high capacity. I consider it as a powerful addition to the cause of Science, as abridging in a complete manner the toil of study, and the laborious calculations of professional men; and have no doubt that the talented inventor will meet that ready recognition from scientific men which his Scale really deserves.

WILLIAM GARVIE,  
*Teacher Dalhousie College, and  
Secretary of N. S. Literary and Scientific Society.*

ST. MARY'S COLLEGE,  
Halifax, N. S., 21st August, 1861.

I HAVE tested "The Chisholm Scale" in the resolution of several Mathematical problems, and I found it to be sufficiently accurate for all practical numerical results in the art of navigation, surveying, engineering, &c. I have no doubt that when "The Chisholm Scale" is sufficiently brought before the scientific world, that it will be at once adopted instead of other scientific scales and tables.

JOHN WOODS,  
*President, &c.*

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