

(2)

practical engineering education, an inspiration to young engineers to cultivate higher professional ethics, selective, progressive personal development, public enterprise, social and political activities, economic and financial considerations, and applications; adequate recognition, rewards and responsibilities for engineers, and the respect and appreciation of other interests and professions for the engineer. He has devoted a vast amount of time to very many lectures to and for engineering students in most of the best colleges and universities in this country, and several abroad. He has employed many hundreds of engineer assistants, with generous efforts to improve and encourage the younger men, and with advice and many times, with substantial assistance.

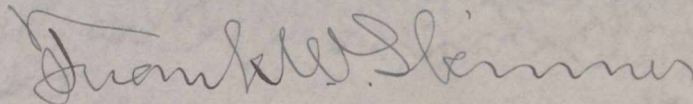
He has never omitted an occasion, and has created many, to promote the dignity and recognition of the engineering profession, and to increase the remuneration and opportunities of its members.

He has spent many thousands of dollars in the preparation and free distribution of the most important professional investigations, classified data, tabulations, and conclusions of his lifetime. He has published, without thought of profit, and always at a heavy financial loss, several most important authoritative technical books and hand books of great practical value.

He has contributed greatly to the development of structural engineering and long span bridge design by his costly pioneer researches and papers on "Elevated Railroads", and on "Nickel Steel", and during the great war he afforded employment to an increased office staff, and spent a large sum on the calculations, tabulations, and researches for his "Bridge Engineering", a compendium of great value to designers and constructors, which, like "Economics of Bridges", and his other publications, entailed heavy financial loss, cheerfully foreseen and accepted for the good of his fellows; and he is today happily working early and late, with just the same generous, efficient altruism.

I hope that you will feel impelled to express appreciation of Dr. Waddell's services to engineers and engineering by nominating him to G.M. Butler, Dean of College of Mines and Engineering, University of Arizona, Tucson, Ariz., as a worthy recipient of the first award of the Clausen Medal.

Very truly yours



FWS:MBW.