

He has texts and other books of man's investigations and experiences; but circumstances may so place him that he will have to invent means of procedure through harrassing difficulties, under the conditions of which he can make better progress by his own methods than by attempting to follow out any of the stricter methods of science.

The outlook for success in any of the departments of engineering is more promising than ever before, but with a decided requirement that one should prepare himself for some special line of work in his department.

Although many of our engineers are men who have through practice become able to manipulate only parts of the work of an engineer, and are therefore not strictly engineers, still it may be safely said that in no country does the practice of engineering in all of its branches reach a higher degree of usefulness or proficiency than in this country. The growing wants of the new parts of our country will long demand the work which can be done by our young engineer, and at the same time throw open fields which require the thought and ingenuity of the old and experienced one. As our country becomes more thickly populated and consequently more wealthy and able to furnish capital, the more able will we feel for the erection of engineering structures, which in their design and usefulness can equal any in existence if we do not already possess many of such.

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