LABORATORY EXERCISES IN PHYSICS FOR SECONDARY SCHOOLS

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Laboratory Exercises in Physics for Secondary Schools by George R. Twiss

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GEORGE R. TWISS

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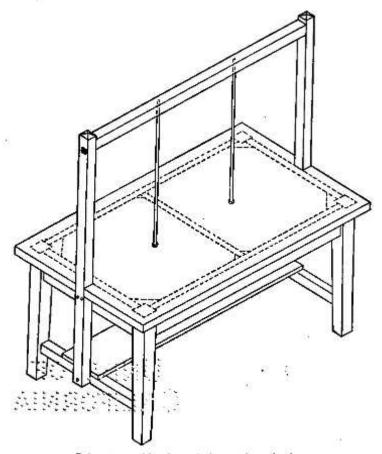
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Laboratory table, shown in isometric projection. Length, 6 ft.; width, 31 ft.; height of top, 3 ft. Height of cross-bar above top, 3 ft. 4 in.

LABORATORY EXERCISES

IN

PHYSICS

FOR SECONDARY SCHOOLS

BY

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PREFACE

THE practicability and usefulness of these exercises, in connection with a course in elementary general physics, have been demonstrated by the test of actual use in the form of mimeographed sheets during a period of several years. They have reached their present form through a succession of revisions suggested by the needs of the author's pupils.

His classes have been large, they have represented both sexes and all grades of natural ability, and they have been limited by the school programme to working periods of forty-five minutes. The directions, worked out under these difficult conditions, have proved satisfactory.

Within the past two years the sheets have come into the hands of physics teachers in other and smaller schools, who have found them adapted to their needs also, and have encouraged the writer to prepare them for publication.

The experiments are selected and the directions written with regard to three purposes : *first*, to secure the thorough enforcement of some of the fundamental principles of the science, together with a view of the kind of thinking and experimentation by means of which the facts and principles of physics

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