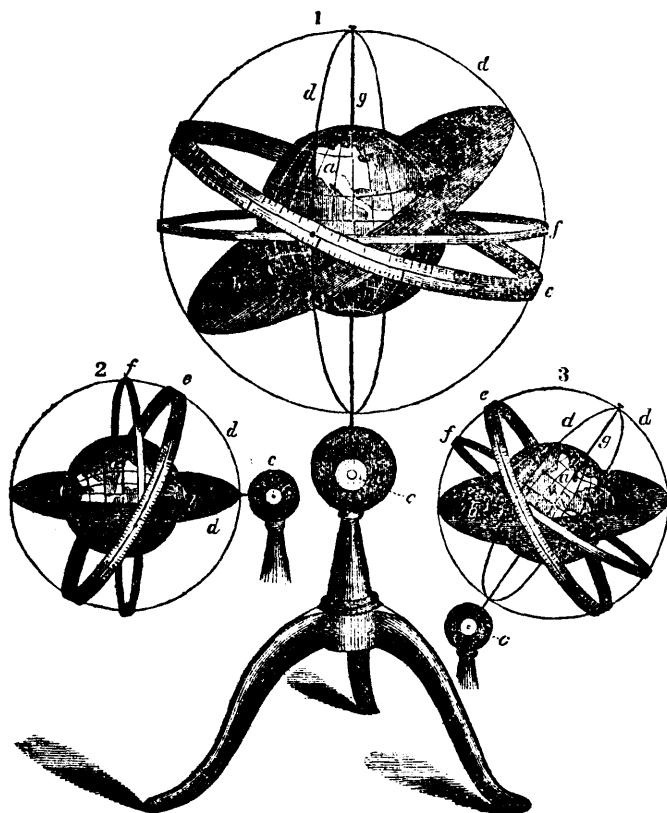


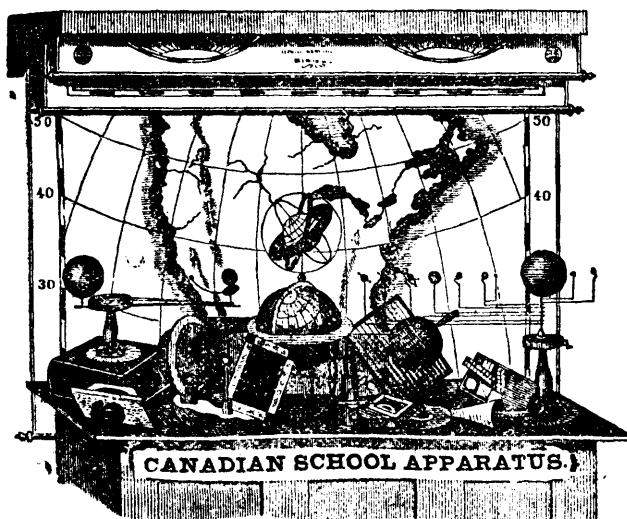
Educational Department Globes, compiled from the most recent authorities, and constructed in Toronto under its supervision and direction.



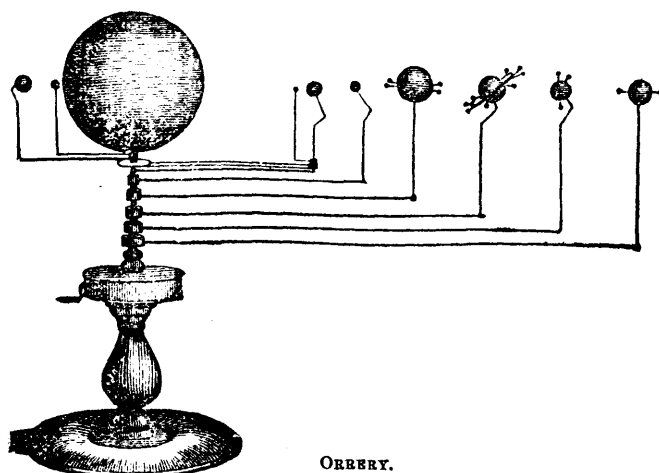
The Celestial Improved Sphere, with 6 inch central Globe, shows the great circles of the heavens, the meridians, equator and ecliptic.

The ecliptic is divided into the twelve signs of the zodiac, and marked with the days of the year. The axis of the earth may be inclined at any desired angle.

A horizon plane is attached by which the real horizon of any place on the globe may be shown, also the comparative lengths of day and night on any part of the earth, and at any season, the rising and setting of the sun, together with the sun's place in the ecliptic on any day in the year. Price \$6.

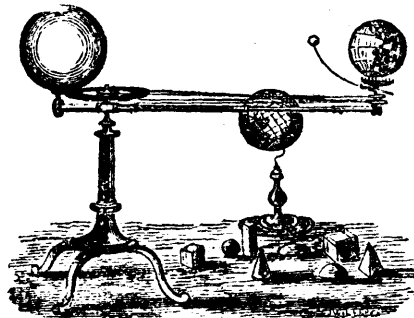


The Orrery, 3 feet in diameter, represents the proportional size and relative position of the Planets composing the Solar System, except the asteroids, and shows their annual revolutions. A correct idea of the Solar System is seldom received, except by such aid. With it, we see the Planets and their Moons circling round their common centre, each in its separate orbit, and occupying its own place in the ecliptic—and system is developed from the seeming chaos of the stars. Price \$10.



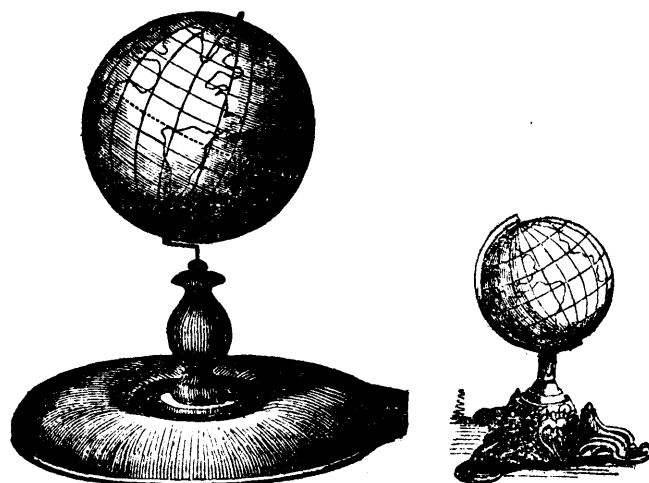
ORRERY.

The Tellurian is designed to illustrate the various phenomena resulting from the relations of the Sun, Moon and Earth to each other; the succession of day and night, the change of the seasons, the change of the Sun's declination, the different lengths of day and night, the changes of the moon, the harvest moon, the procession of the equinoxes, the differences of a solar and sidereal year, &c. The Moon revolves around the Earth, and both together around the Sun, while Sun, Earth and Moon revolve around a common centre of gravity. Price \$6



TELLURIAN.

The Lunarian, for illustrating the phases of the Moon and centre of gravity. Price \$1.



SIX INCH GLOBE.—(FIG. 1.)

(FIG. 2.)

A 6 inch **Terrestrial Globe**, with the latest discoveries, strongly made of firm material, and so mounted on a single pedestal that it can be readily removed and suspended by a cord, and thus be displayed conveniently for familiar illustrations to a class. It is of a convenient size for common use in the school-room, as it can be easily held in the hand, or passed round the class and yet answers all the main ends of the larger sized globes. Price, on walnut Pedestal (Fig. 1), \$1.50; on bronzed Stand, with brass Semi-frame Meridian (Fig. 2), \$2.

A 3 inch **Hemisphere Globe**, supplies an illustration, which any child can understand, of the reason of the curved lines on a map, and shews how the flat surface is a proper representation of a globe. It is the