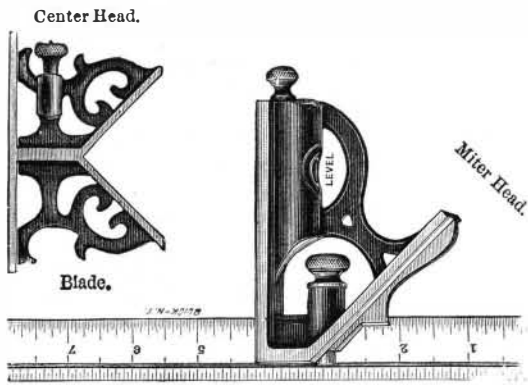


**CHAPLIN TRY AND CENTER SQUARE.**

This square is constructed with an adjustable blade, which enables it to be used for many purposes. It consists of a miter head or stock provided with a spirit level, a T or center head, and a sliding steel blade, graduated on one side in eighths and thirty-seconds and on the



**CHAPLIN TRY AND CENTER SQUARE.**

other in sixteenths and sixty-fourths. Among its many uses may be mentioned a try square, a depth gauge or a mortise gauge, a center square, or as a draughtsman's T-square. The blade, when removed from the stock, forms a graduated steel rule and straight edge. This square is made by the Standard Tool Company, Athol, Mass.

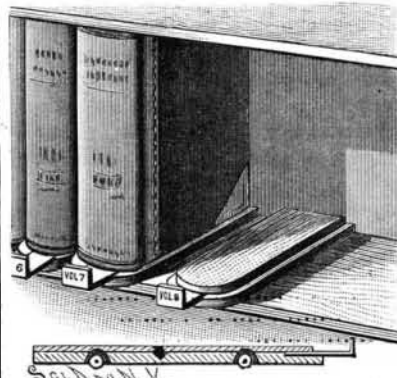
**A New Method of Illuminating Internal Organs.**

The well-known experiment for showing total reflection of light in a jet of water or in a glass rod has been made use of here by Dr. Roth and Professor Reuss in devising a new method of illuminating from outside some cavities of the body, such as the larynx and nose. The instrument used for this purpose is a well-polished (not blackened) glass rod, to one end of which a small electric incandescent glow lamp, like those used for electric breastpins, is attached. The light of the lamp is reflected equally through the whole glass rod to its

other end, which is placed on the skin of the throat in the case of a laryngoscopic examination being required. Then the interior of the larynx becomes illuminated sufficiently for laryngoscopy. If this luminous glass rod is applied to the sclerotic, the interior of the eyeball can be examined in the same way as by using an ophthalmoscope, the structure of the posterior parts of the vitreous body being very well seen and studied. As the glass rod remains cold, it can be employed in operative surgery to light the natural and artificial cavities.—*The Lancet.*

**AN IMPROVED BOOK CARRIAGE,**

An invention to facilitate the drawing out of books from shelves or cases, and whereby the leaves and covers or binding will be protected from injury, has been patented by Mr. Lawrence C. Leith, of Galveston, Texas, and is illustrated herewith. The carriage is made of a size corresponding with that of the size of the book it is designed to carry, and has a raised central portion

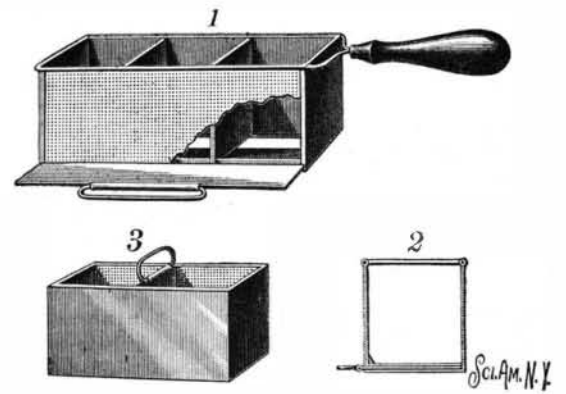


**LEITH'S BOOK CARRIAGE AND PROTECTOR.**

to support the bottom edges of the leaves, the lower edges of the cover or binding resting on a lower outer portion of the carriage. Inserted in the lower side of the book support are transverse rollers, whereby the platform is run in or out on the book shelf, there being provided at the front end a pull piece on which

**AN IMPROVED DEVICE FOR POACHING EGGS.**

A simple device to facilitate the poaching of eggs, and placing them unbroken upon a platter, is shown herewith, and has been patented by Mr. William H.

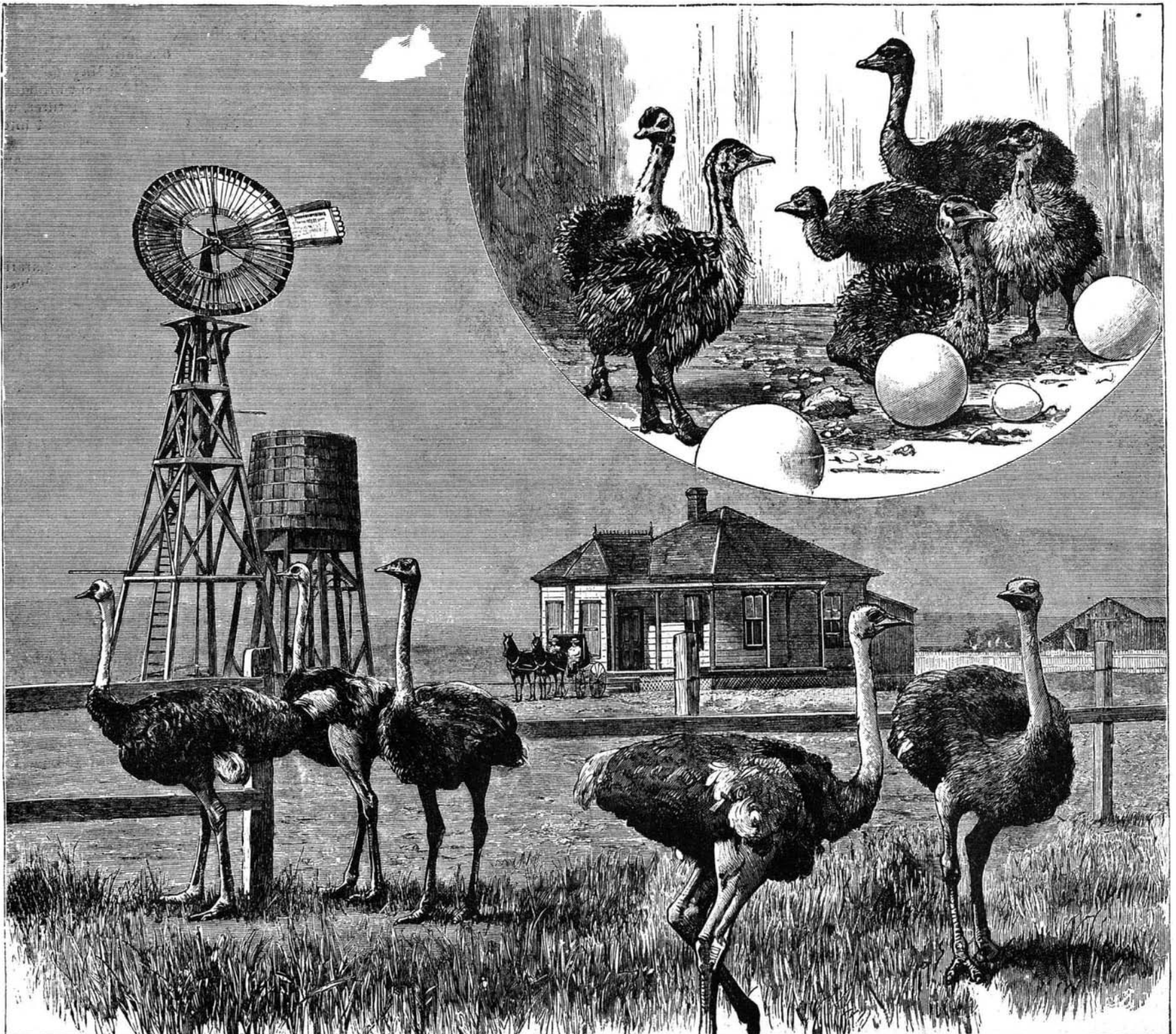


**LITTLETON'S EGG POACHER.**

Littleton, of Clayton, Mich. The body of this egg-poacher is preferably made of sheet tin, and is divided by transverse partitions, one side being covered with perforations to freely admit the hot water. It has a sliding bottom, and the lower edge of the perforated side is provided with an inwardly projecting lip adapted to remove the egg from the bottom as the latter is drawn out. Fig. 3 shows a form of the poacher having a wire loop attached to the central partition for convenience in handling.

**OSTRICH FARMING IN CALIFORNIA.**

Ostrich farming has proved so successful in South Africa that our Transatlantic cousins, always on the watch for some new means of developing the resources of their country, determined to try the same experiment in California, where the climate and surroundings were considered to be extremely fitted for the purpose.



**OSTRICH FARMING AT LOS ANGELES, CALIFORNIA.**