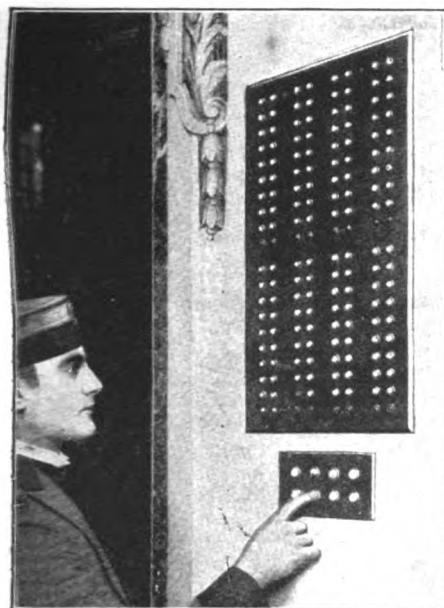


Signal Lights Show Vacant Seats in Theater

BY MEANS of an elaborate system of electric signal lights, the key of which is a "spot board" located in the lobby, the management of a large Chicago theater is able to tell at a glance just how many seats are vacant, and where these seats are located. It is claimed that in 15 seconds a complete check on seat vacancies, 95 per cent accurate, can be obtained.

The signalling system, operated by trained ushers, is said to save much time and confusion in the seating of audiences.

The "spot board" is divided into two sections, one representing the balcony, the other the main floor. Each of the two larger sections is divided into four smaller sections representing tiers, each containing two rows of little electric bulbs, nine bulbs to a row. Each bulb in the left row of each



Electric lights flash vacant seats

section represents 10 seats progressively from top to bottom.

For example, when the third bulb from the top flashes, it means 30 vacant seats in that tier of the theater. The bulbs in the right hand row represent the digits. Thus, if in addition to the bulb designated above, the seventh bulb from the top on the right row flashes, it means there are 37 seats vacant in that particular section.

Lights in any one section of the board are flashed by pressing the proper button in a series of buttons below the board.

Sanitary Roller Brush Cleans Combs Quickly

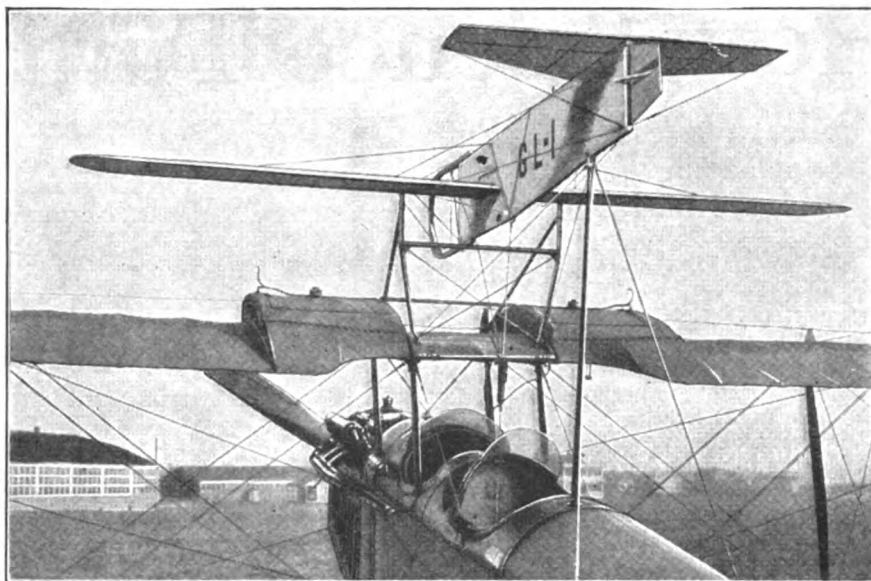
ONE of the newest sanitary devices for the boudoir is a roller brush designed for cleaning combs. As the brush is rolled



over the comb, the stiff bristles enter between the teeth, quickly cleaning out all dust and hair.

The roller brush is so constructed that it can be removed

from the handle for washing, thus providing an entirely sanitary and easy method of cleaning.



Small Glider Target for Anti-Aircraft Guns

ANTI-AIRCRAFT defense practice is made realistic at McCook Field, Dayton, Ohio, by a motorless target glider that goes through the maneuvers of a real air plane as it glides to the ground after release from the carrying plane.

The glider, made of linen, wood, and a piece of metal, has a twelve-foot wing spread. It can be riddled with bullets

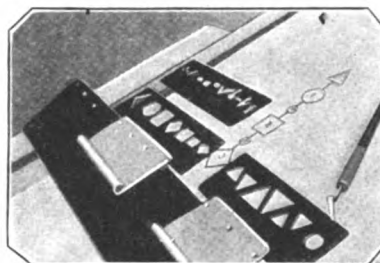
from defense guns without destruction.

When a wire holding it to supports on top of the airplane is released, the glider, in an upward loop, frees itself. The set of the tail determines the angle of descent, while the rudder determines whether the descent will be straight, spiral, or undulating. A descent from 10,000 feet in the air takes about 30 minutes.

New "Shorthand" Templates for Factory Charts

A SHORTHAND system of industrial efficiency is embodied in a set of templates designed recently by Frank B. Gilbreth, noted "one best way" engineer, for quickly drawing symbols and letters on process charts, production charts and other factory records requiring similar work.

The equipment includes two sizes of plates, each with a set of symbols, and a specially designed drawing pen.



The chart template and how it is used



Eye Exerciser to Correct Faulty Vision



The eye exerciser and its inventor

ON THE theory that the human eyeball is pulled out of shape by the tugging of strong muscles against weaker ones, thus interfering with the focusing of light rays and causing nearsight, farsight and astigmatism, Dr. Nelson Y. Hull, a New York optometrist, has invented a novel machine for exercising eye muscles.

The exerciser consists of a ball on the end of a bent rod which is revolved by means of a small crank. The eyes are exercised by following the motions of the ball.

For near sight the ball first is moved horizontally before the eyes, bringing into play the muscles that move each eye toward or away from the nose. Then the ball is moved perpendicularly. This exercises the muscles that move the eye up or down.

For far sight the oblique muscles are brought into play by operating the ball in circles both left and right.

Astigmatism is corrected by either one or the other of the foregoing methods, or a combination of the two.

Normal eyes can be kept in good condition Doctor Hull claims, by regular exercises that bring all the muscles into play.