



[*The delightful figures of the Ballet and the Rockettes are no more fascinating than the statistical figures which reveal the Radio City Music Hall as the greatest theatre in the world.*]

THE STAGE

The Music Hall stage consists of three hydraulic plunger elevators, each of which may be raised thirteen feet above the stage level or lowered twenty-seven feet below it.

A new scene can be brought into view in twenty seconds by the sectional revolving stage. Built into the top of all three elevators, the revolving stage is forty-three feet in diameter.

A band car on top of the orchestra elevator can be run under the auditorium into storage space built for it, or can carry the full orchestra to sub-basement level out of sight of the audience, onto one of the stage elevators, and rise into view again on the stage.

For hoisting scenery and curtains, 152,000 feet of steel cable are used.

The asbestos curtain contains 80,000 pounds of material.

The three stage elevators and the orchestra elevator weigh 380,000 pounds, and are capable of lifting 96,000 pounds of people or scenery.

The largest stage elevator is seventy feet wide and sixteen feet deep.

PROJECTION NOTES

Approximately 24,000,000 feet of film per year are flashed on the Music Hall screen.

The Music Hall has fourteen projection machines, including four in the main projection booth, four in the pre-view rooms, two rear-projection machines on stage for scenic effects, and four slide effect machines which are also in the main projection room.

More than 50 sound effects, recorded in film, are on file in the chief projectionist's office. They include train effects, thunder, cannon, rifle shots, battleships, airplanes, and automobiles.

The Music Hall screen is the largest in the world, measuring 70 x 40 feet and enclosed in a frame measuring 107 x 47 feet. Special equipment is capable of changing the size

of the screen at will. At present two sizes are in use, the screen being set at an opening measuring 44 feet, 7 inches by 32 feet, 5 inches for the showing of the newsreel, and at an opening measuring 31 feet, 2 inches x 22 feet, 8 inches for the showing of the feature film.

LIGHTING

According to figures obtained from the Edison Electric Institute, the Radio City Music Hall uses enough electricity to supply the needs of a town with a population of ten thousand.

There are 206 spotlights in use at the Music Hall. Thirty-six of these are spots more than five feet in length, each costing as much as a popular priced automobile, and using 150 amperes of current.

STAGE AND AUDITORIUM LIGHTING

A single mechanism, or Control Console, placed directly in front of the first row of the orchestra, controls the lighting of the Music Hall stage and auditorium.

The 4,305 small vari-colored handles may be "pre-set" for twenty different combinations, and then worked by throwing a master switch.

MISCELLANEOUS

Pumped in at the rate of 280,000 cubic feet per minute, 79,716,000,000 cubic feet of conditioned air are used each year.

The annual refrigeration requirements are 219,000 tons of ice.

Each year 7,020,000 gallons of drinking water are circulated.

The Music Hall consumes 31,200,000 gallons of water and 27,600,000 pounds of steam annually.