

## Wide Variety of Ideas Covered By Patents Issued During Week

### Experience Theater

A film producer has invented what he calls an experience theater. It is intended to give the audience a sense of participation through motion, smell, taste, temperature and pressure, besides the customary sight and sound.

Morton L. Heilig of Pacific Palisades, Calif., was granted Patent 3,469,837 this week.

The viewing screen is described as concave and formed of a reflective mosaic. The projector is centrally located, and loudspeakers are spaced so as to provide directional sound.

Instead of resting on the usual theater floor, the seats are supported on a series of platforms slanting back from the lowest level. The spectators sit almost above one another.

Each chair has a small speaker, a source of aromas in the armrests, blowers that send hot or cold breezes against the head and hands, and an oscillator.

The oscillator provides vibrations such as those of a motorcycle, train or car, and the chair is tilted to various angles to simulate the banking of an airplane or speedboat.

For safety, spectators are to fasten themselves in their chairs with locked bars.

Three-dimensional pictures are to be provided, without loss of peripheral vision, by projecting separate images for the right and left eyes, and providing a pair of wide-angled polarized glasses for each chair.

Mr. Heilig, a producer-director, makes chiefly documentary films. He has not yet arranged for construction of his experience theater, or Cinemasphere, but is negotiating for the production of an earlier invention, called a Sensorama simulator, a coin-

operated amusement device that entertains one person.