

FOR MAXIMUM LIGHT AND VENTILATION

use Hendrick Open Steel Flooring

Its 90% open area offers minimum obstruction to the passage of light from floor to floor—and assures ample ventilation. Its Mitco pressure-formed construction provides rugged, integral panels that will support heavy loads without any lateral deflection. The rectangular, square-edge bars give a thoroughly safe, non-slipping, level walking surface.

There are no bolts, rivets or angle irons to loosen, or to collect dirt and refuse—no welds, liable to have residual stresses and lead to warping.

Hendrick Shur-Site Treads for stairs, ladders and fire escapes, have all Hendrick Mitco advantages. A heavy, flanged nosing-bar, that makes the edge of each tread conspicuous, is an additional safety feature.

For circular walkways Hendrick furnishes Mitco Radial Grating. Hendrick Driveway Grating has extra heavy bars, capable of sustaining the heaviest loads. Where light weight, or corrosion resistance, is of prime importance, Hendrick Mitco grating can be made of aluminum.



Hendrick Armorgrids
withstand heaviest traffic

Unequalled for floors, loading platforms, ramps and driveways that have to withstand grinding loads, heavy shocks and continuous wear, Hendrick Mitco Armorgrids never require replacement. They do not depend on the fill for development of full strength for resisting shock loads.



Write for a copy of
Hendrick Mitco Products Catalogue



Perforated Metals
Pneumatic Metal Screens
Architectural Grilles
Mitco Open Steel Flooring,
"Shur-Site" Treads and
Armorgrids

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Manufacturing Company

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Engineer's Bookshelf

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and maintenance of electronic tubes and apparatus. Many chapters have extensive reference lists.

BATTLEFRONTS OF INDUSTRY. By David Woodbury. 333 pages, 6x9, illus., \$3.50. John Wiley & Sons, Inc., 440 Fourth Ave., New York 16, N. Y.

Since he left the news editing of *POWER* in 1929 for a distinguished career as a free-lance writer of science books and science articles for the general reader, David Woodbury has contributed greatly to the general understanding of what makes the wheels go round in the modern world. His six previous books are: *Communications*, *The Glass Giant of Palomar*, *The Colossus Conquest*, *What You Should Know About Submarine Warfare*, *Beloved Scientists*, and *Builders for Battle*.

In every one of his books Mr. Woodbury has revealed his rare combination of talents—skill with words, clearness, dramatic sense and a real understanding of basic science and engineering. This last reflects his two engineering degrees from the Massachusetts Institute of Technology.

In the 333 text pages of *Battlefronts of Industry*, he sets down the history of Westinghouse's contributions to victory in World War II. It is a thorough and detailed job—sound, carefully checked and easily read. The over-all picture of Westinghouse contributions is highly impressive.

Touching only the high spots here for lack of space, these include high-speed gun mounts, naval guns, plane landing catapults, turbines and guns for warships, tank guns, stabilizers, radar equipment, electric torpedoes, binoculars, wind-tunnel motors, X-ray development, searchlights, stratos-

Technical Briefs

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load conditions, to maintain reasonable fuel consumption and avoid overloading the motor. This is most conveniently done by throttling with a butterfly valve in either blower suction or discharge. Adjustment is mainly to compensate for atmospheric variations and a conveniently located ammeter to show motor current proves a rough but reliable guide to throttle setting, automatic control not being necessary.

The scheme shown in the diagram has been devised to overcome problems normally associated with a large blower motor connected to the plant bus. These are: (1) inability to start without outside power source in event of complete plant shutdown (2) unexpected loss of

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