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Gas cutting of slabs or blooms is speeded by the use of increased amounts of oxygen. In addition, the cutting speed varies with the temperature of the slab. The two nomographs permit rapid and fairly accurate estimation of cutting speed under the usual conditions. They can be applied to mild and low alloy steels and they are valid for fuel gases with heating values of 430 to 2400 Btu per cu ft.

As an example of their use, consider the cutting speed for a 12-in. thick slab at 1400 F. With no excess oxygen (see note on chart) alignment of a straight-edge through the points for 12 in. thickness and 1400 F produces the answer—13 in. per min—on the right-hand scale. By the same process, the other chart shows a cutting speed of 17 in. per min when 50 to 70 percent excess oxygen is used. For comparison, a 12-in. thick slab would be cut at about 2 to 6 in. per min at room temperature.

*Source: Adolf Messer GmbH.

Kaiser Steel—A. L. Peake to manager-sales, replacing C. F. Cooper who recently became manager of marketing. W. S. Barnum to assistant manager of southern district sales (Los Angeles). J. A. MacIvaine replaces Barnum as assistant manager-tubular sales. B. J. Wood to manager of central district sales. J. D. McDaniel takes over as assistant manager of plate, structural and bar sales. S. P. Alexander to assistant manager-sheet and strip sales. D. W. Keirn to assistant manager-tin plate sales.

Mclouth Steel—Gene E. Gann to vice president.

National Steel—Newton F. Korhumel, president of Korhumel Steel and Aluminum (acquired recently by National) to vice president and board of directors. H. W. Garrison to assistant general superintendent at Weirton.

National Lead—Claude M. Merrell, vice president, to board of directors.


Vanadium-Alloys Steel Co.—Paul W. Berenbrok to plant metallurgist at the Latrobe Div. Daniel A. Heckel to the staff of the Plant Metallurgical Dept.

Wheeling Steel—Nelson W. Hocking, Jr. to assistant general manager of the corporation's finishing plants, from superintendent of cold mills and hot strip finishing.

NEW MAN FOR NEWPORT

R. Russell Fayles has joined Acme Steel Co. as a vice president and will take over as head of the company's Newport, Kentucky Div., filling a spot made vacant by the death last year of Alfred P. Miller. Fayles comes to Acme from Lukens Steel, where he had been manager of steel plants since '57. He joined Lukens in '41 as a fuel engineer, before that served as fuel engineer with Carnegie Steel (Pittsburgh) and as an engineer with South Chester Tube Co., (Chester, Pa.)