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MINERS AND MANAGEMENT



VAN KLEECK

Original from
UNIVERSITY OF MICHIGAN

INDUSTRIAL RELATIONS SERIES

MINERS AND MANAGEMENT

A Study of the Collective Agreement between
the United Mine Workers of America and the
Rocky Mountain Fuel Company

AND

An Analysis of the Problem of Coal in the
United States

BY

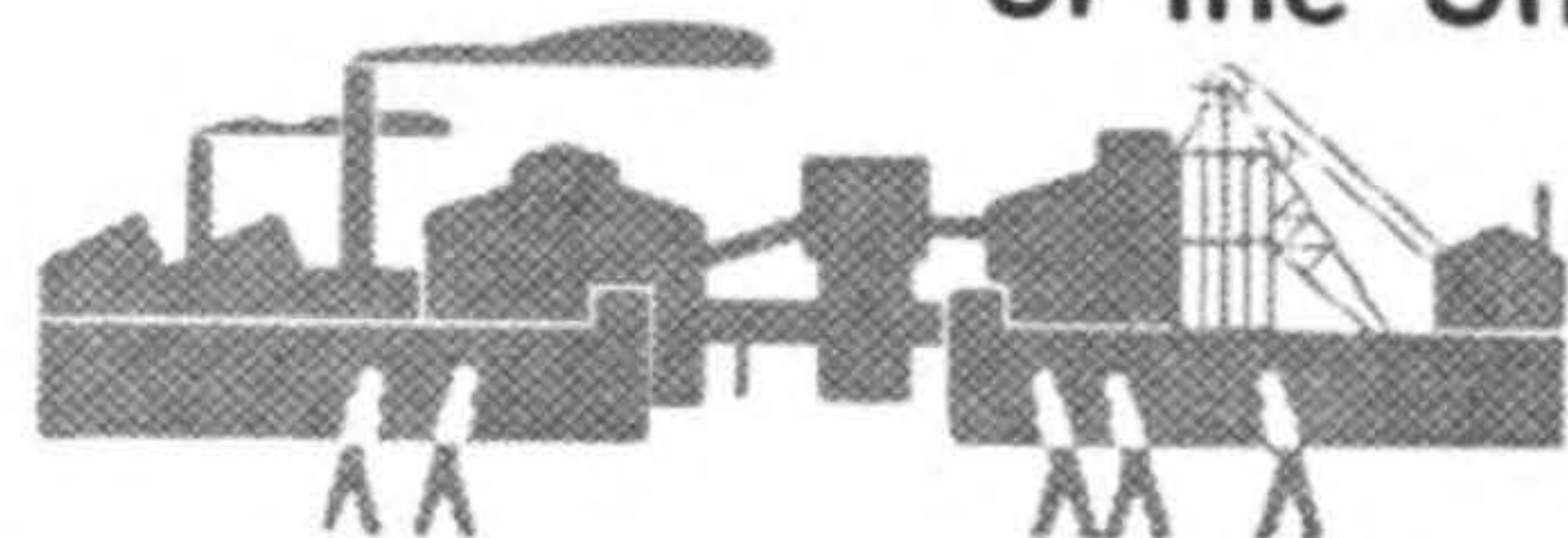
MARY VAN KLEECK

DIRECTOR OF INDUSTRIAL STUDIES
RUSSELL SAGE FOUNDATION



NEW YORK
RUSSELL SAGE FOUNDATION
1934

Days Lost and Days of Mine Operation in the Bituminous Coal Industry of the United States



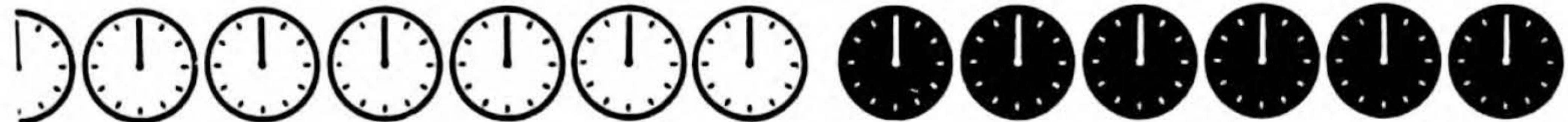
1914



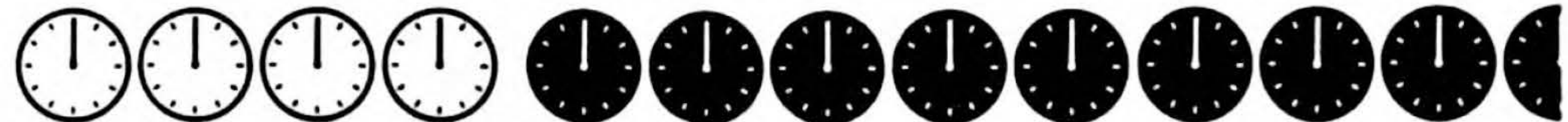
1917



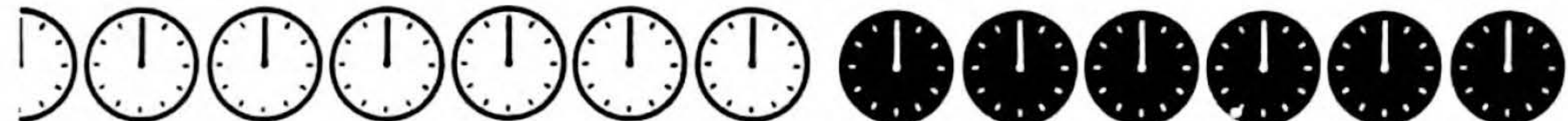
1922



1926



1932



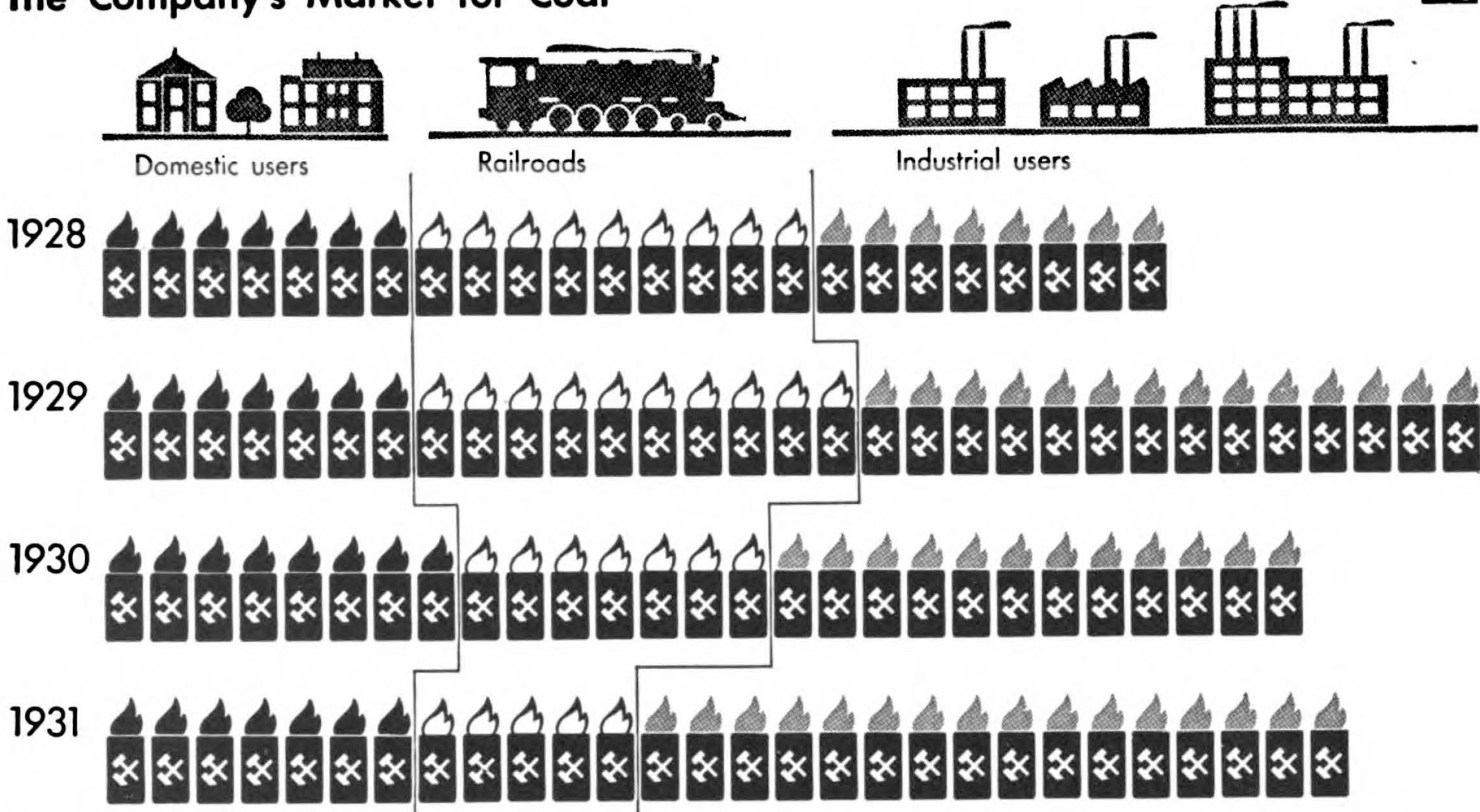
Each white clock represents 25 days lost

Each black clock represents 25 days of mine operation

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The Company's Market for Coal

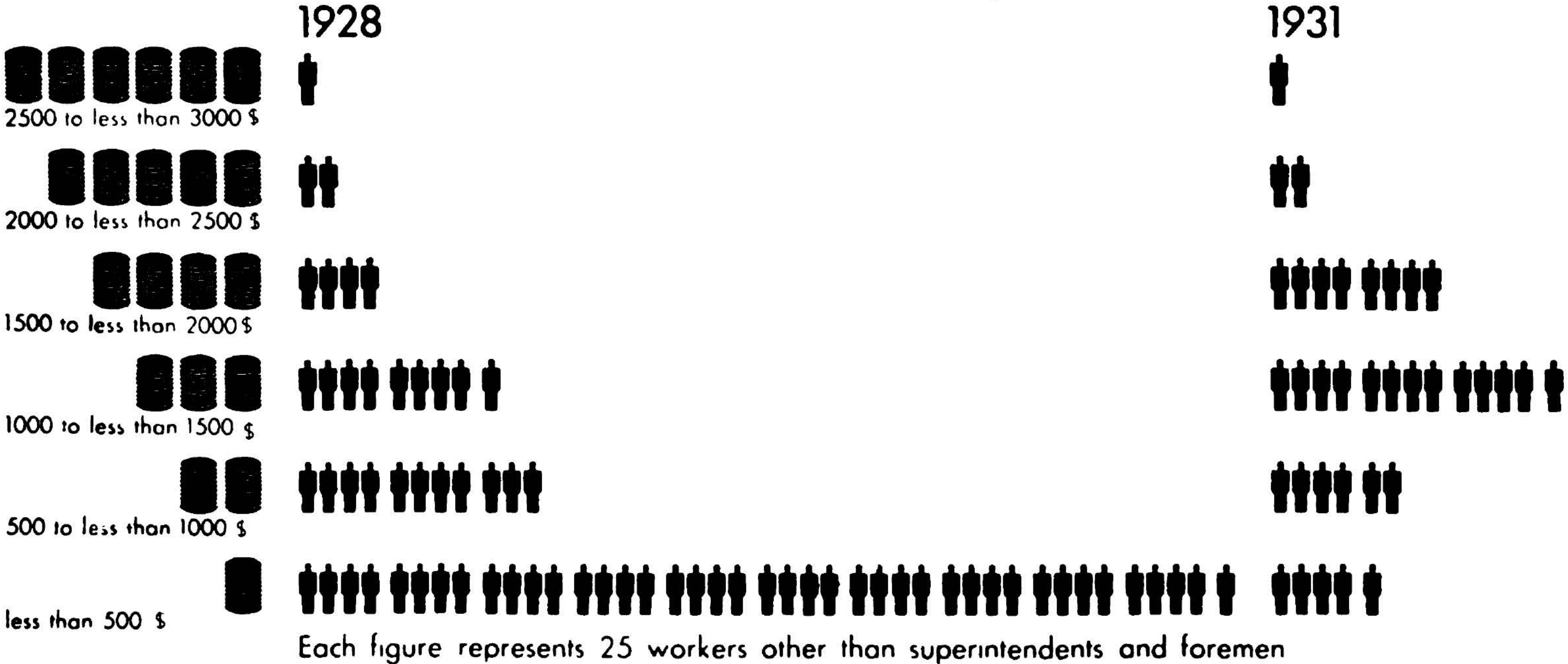
RM
FC



Each symbol represents 25,000 net tons of bituminous coal sold

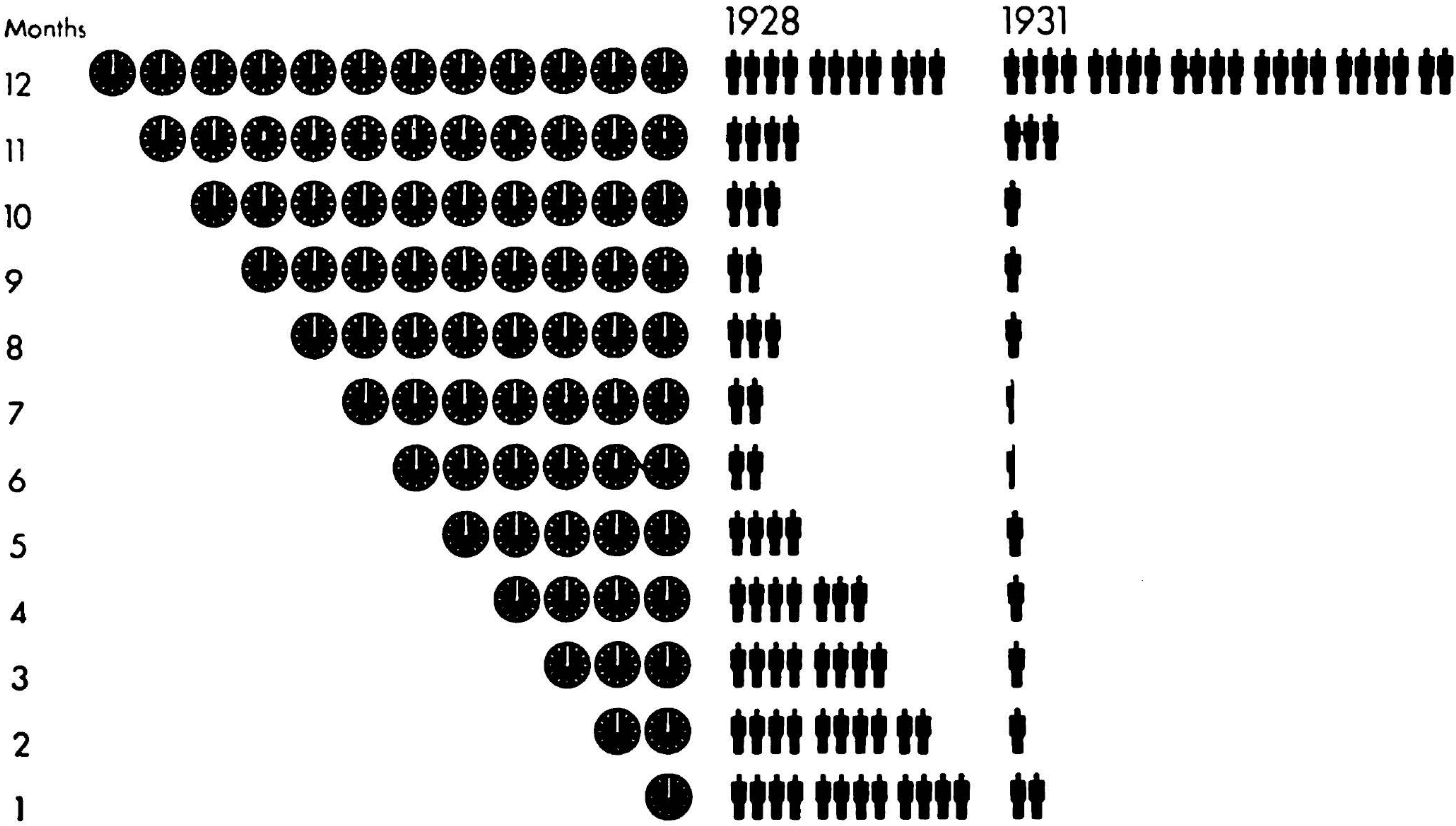
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Distribution of Workers by Annual Gross Earnings



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Distribution of Workers by Number of Months' Employment

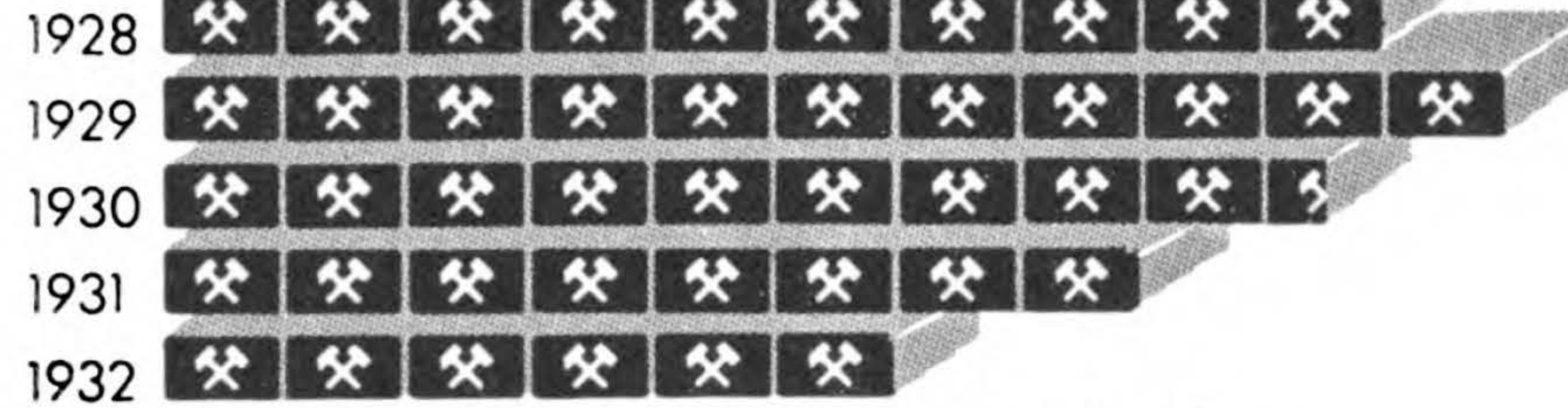


Each figure represents 25 workers
other than superintendents and foremen

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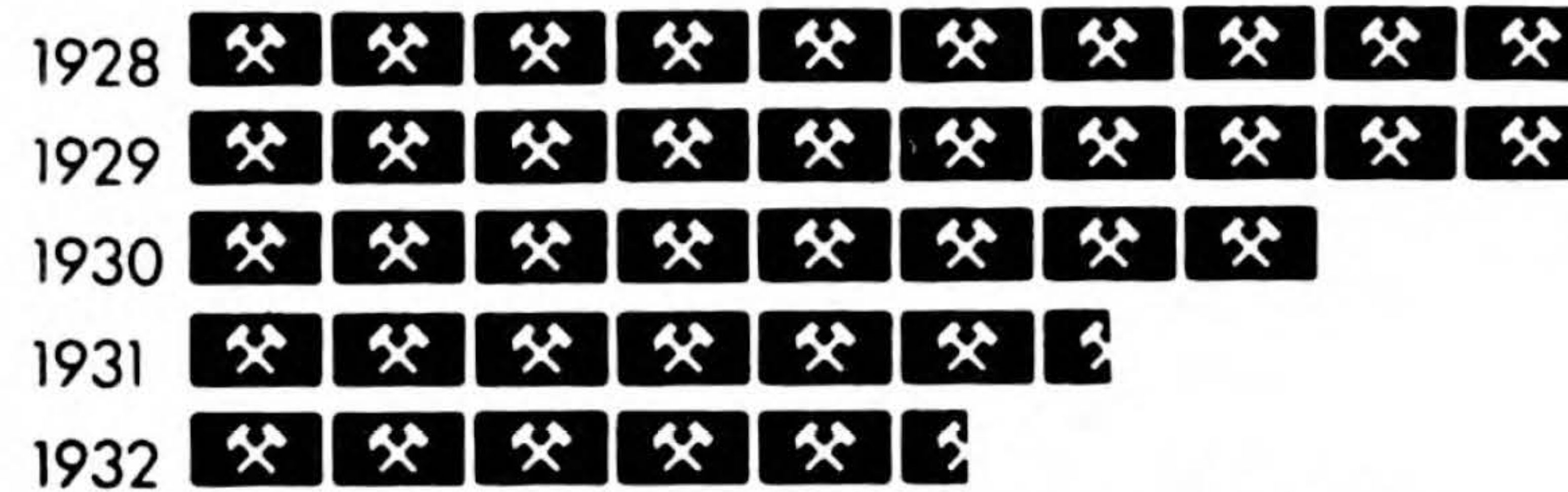
Bituminous Coal Production 1928 to 1932

United States



Each symbol represents 50 million net tons of coal

Colorado



Each symbol represents 1 million net tons of coal

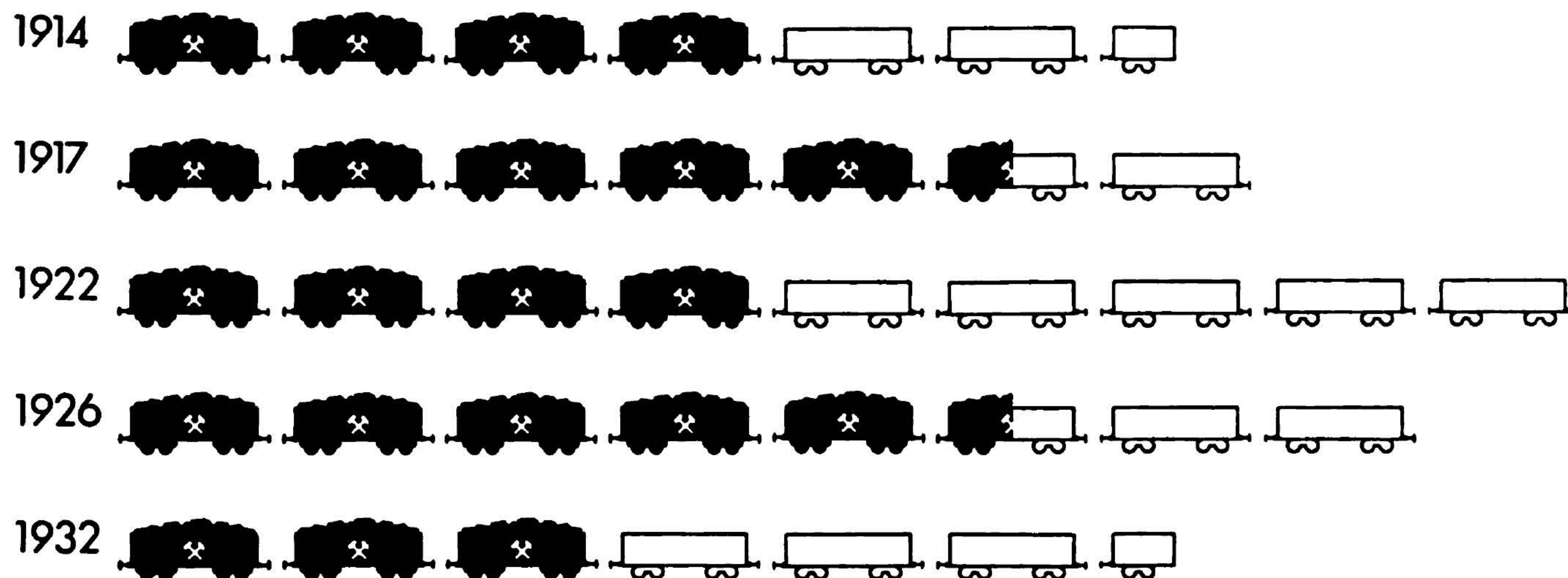
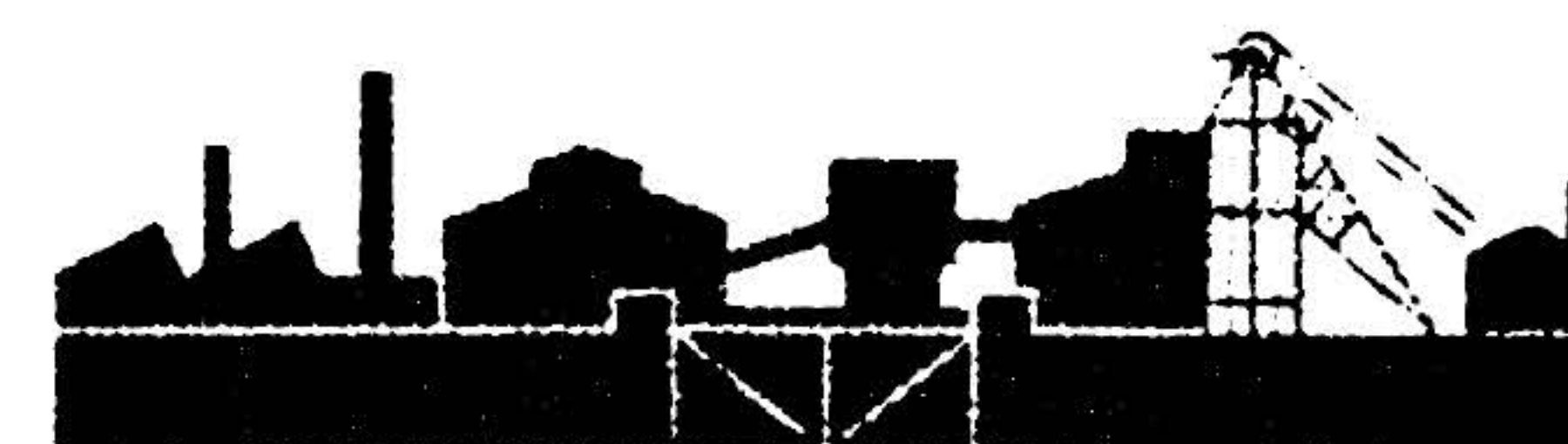
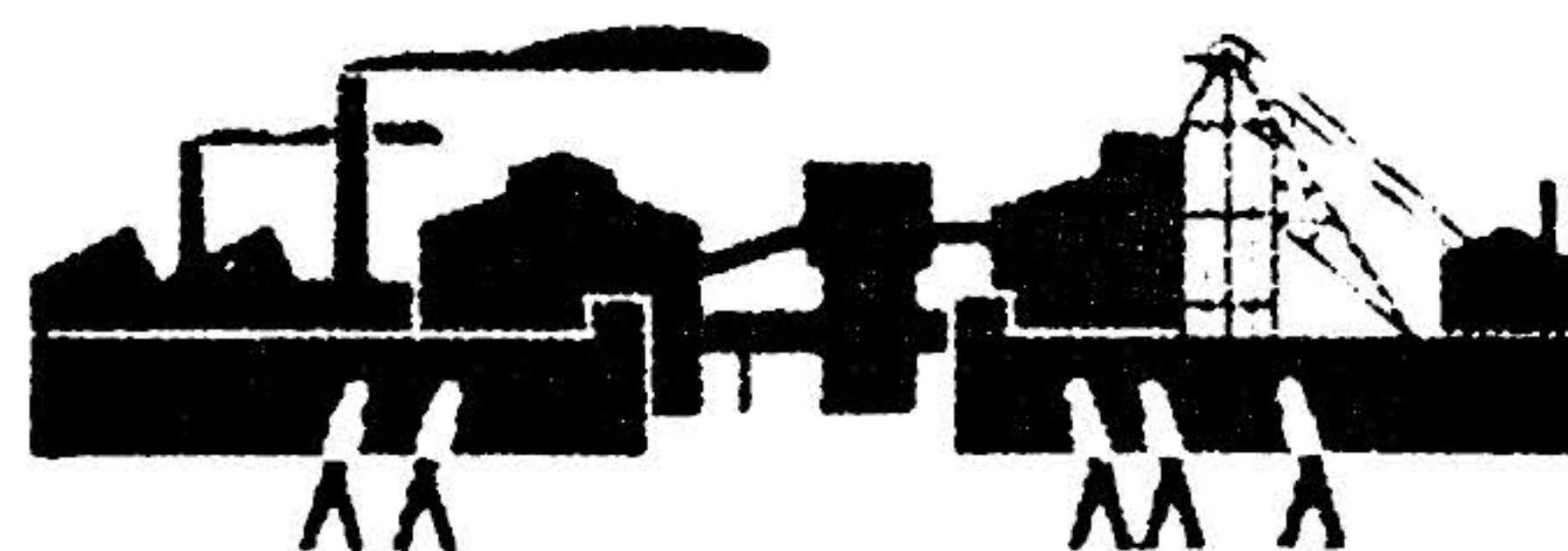
Rocky Mountain
Fuel Company



Each symbol represents 60,000 net tons of coal

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Production and Capacity of Bituminous Coal Mines in the United States



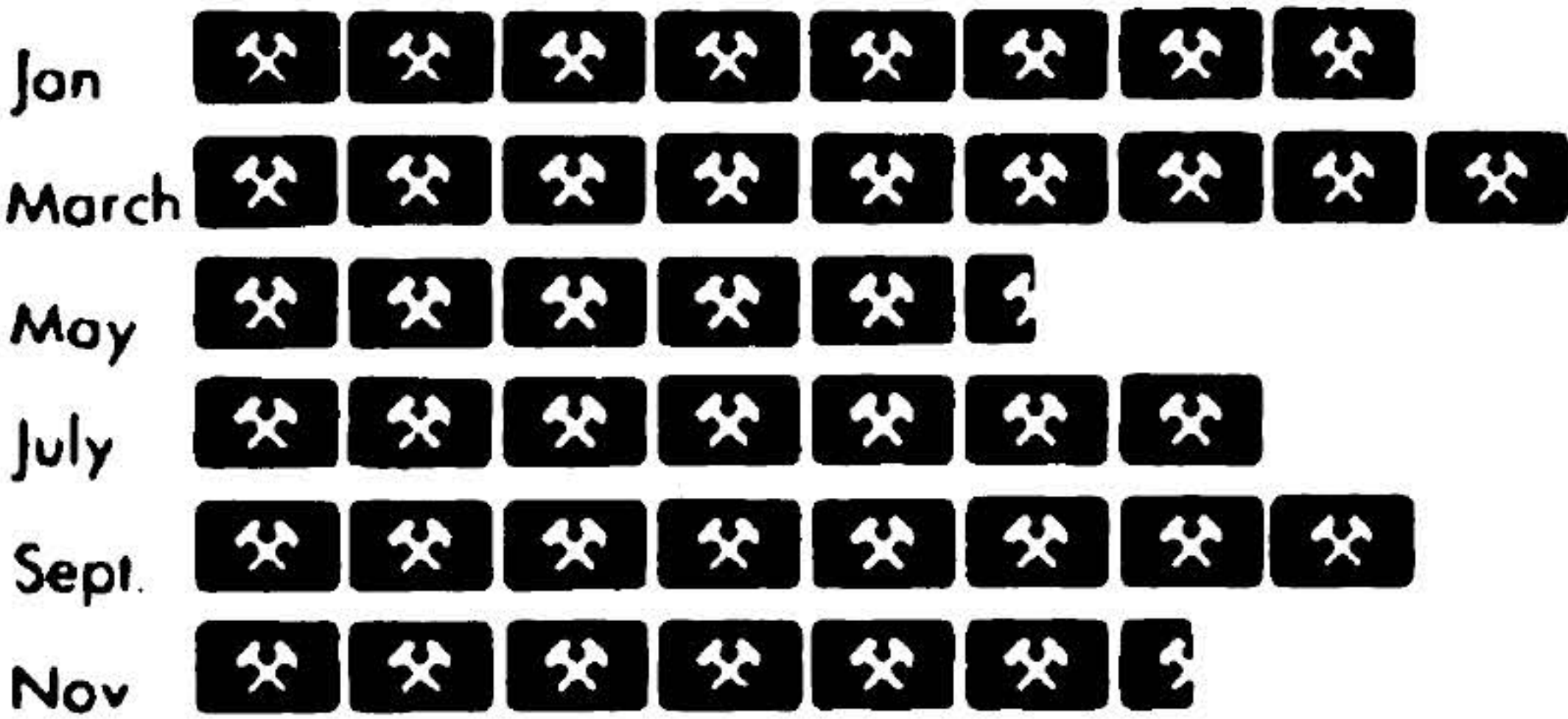
Each black symbol represents the actual production of 100 million net tons of bituminous coal
 Each white symbol represents the potential excess production of 100 million net tons of bituminous coal

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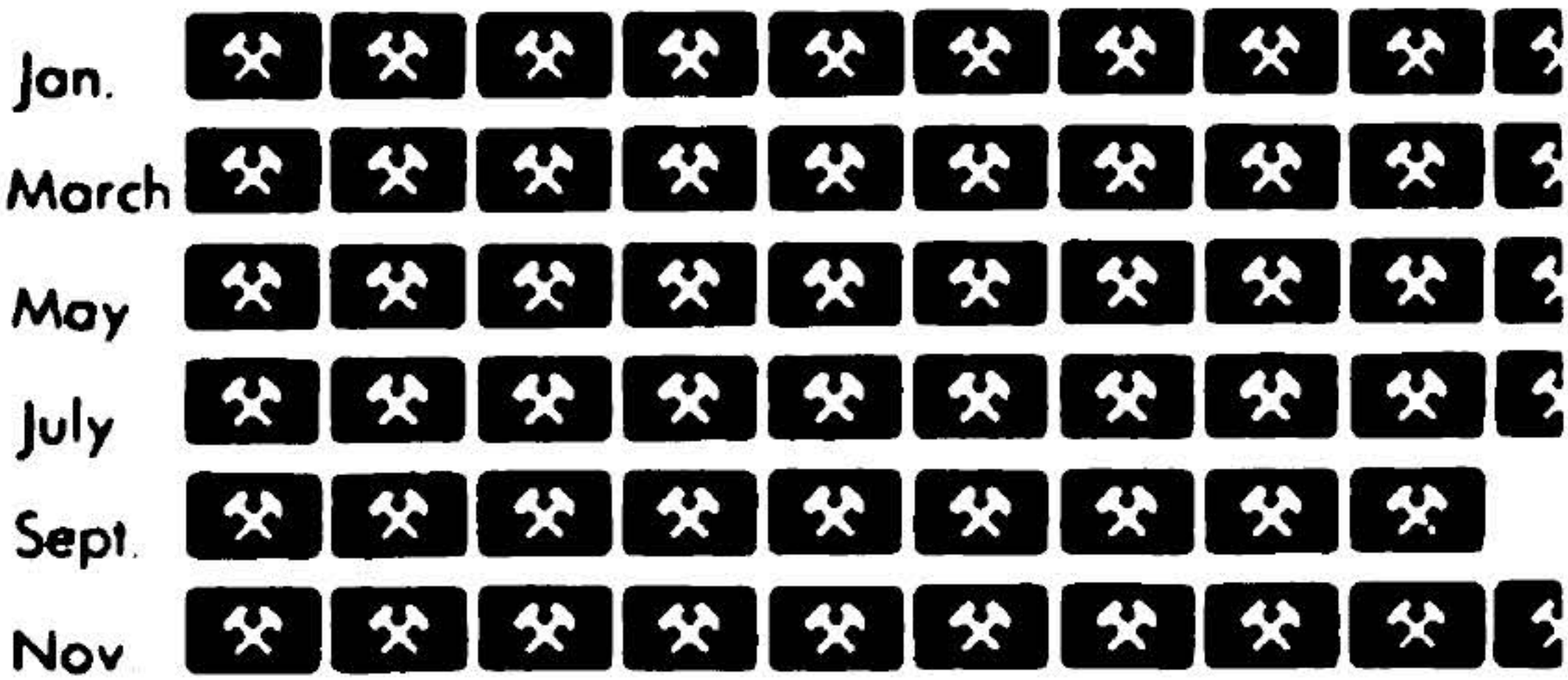
Seasonal Fluctuation in Typical Years



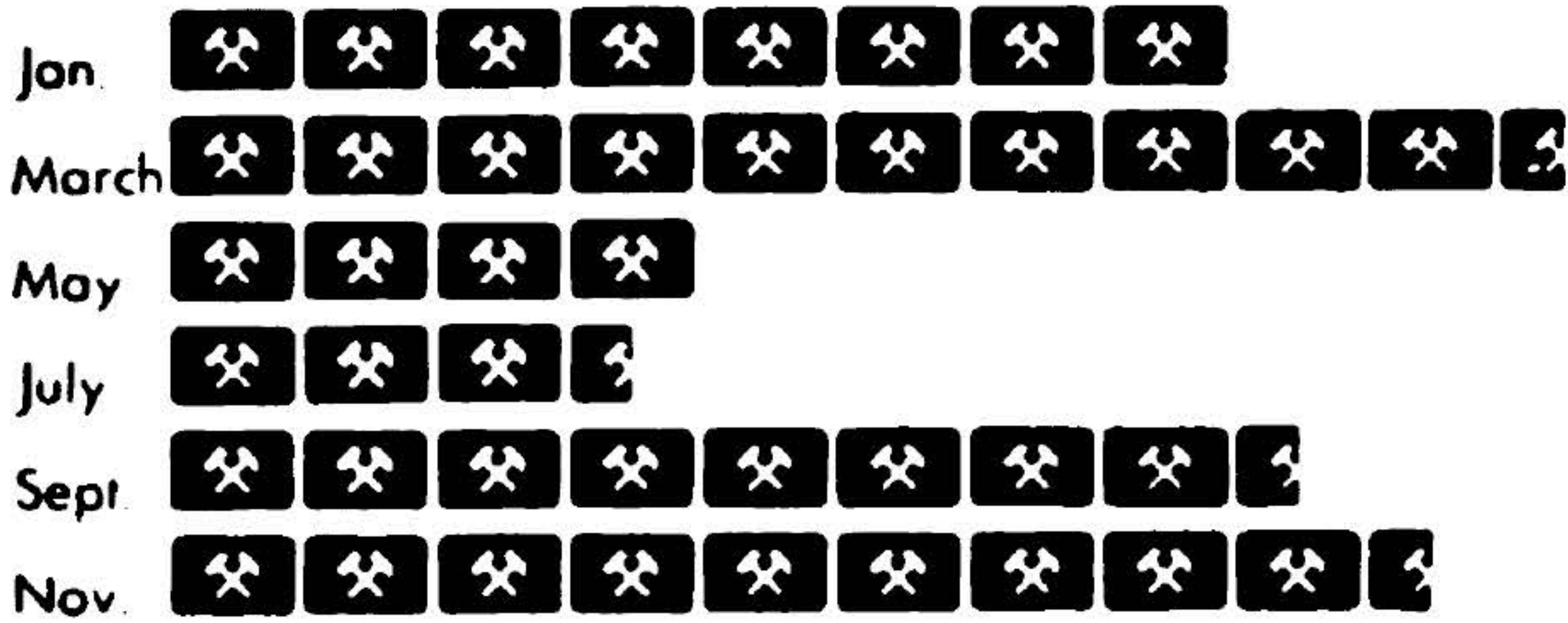
1914
"Normal
year"



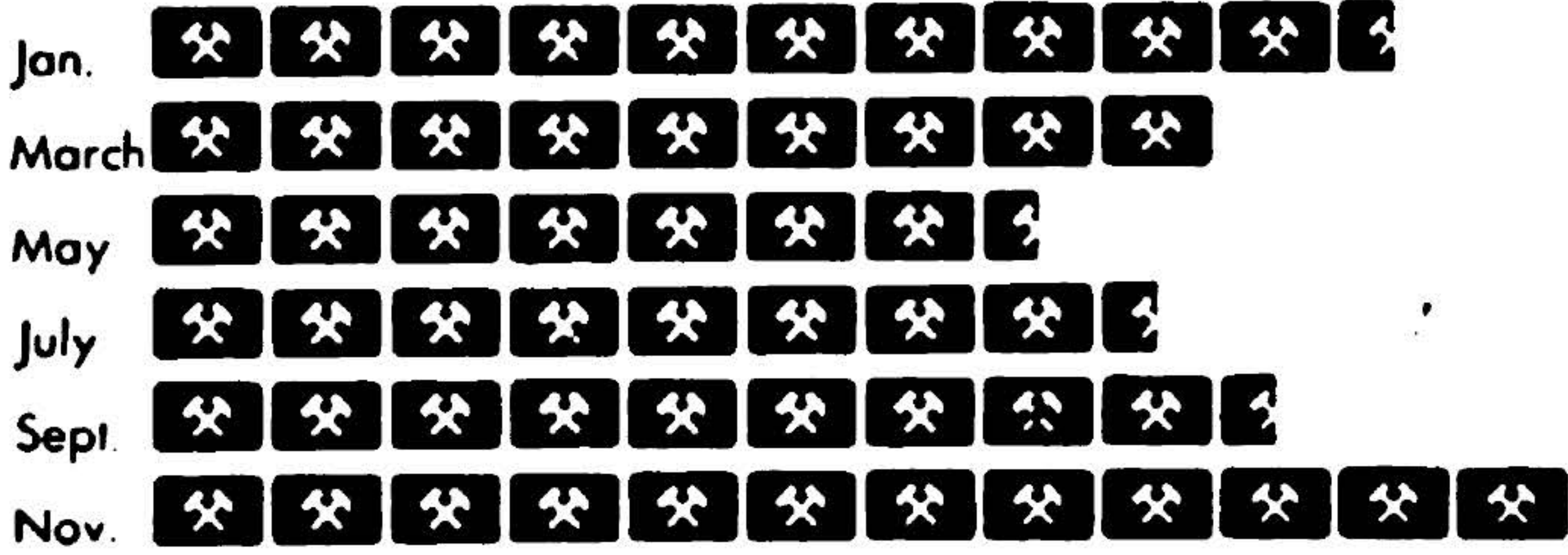
1917
War



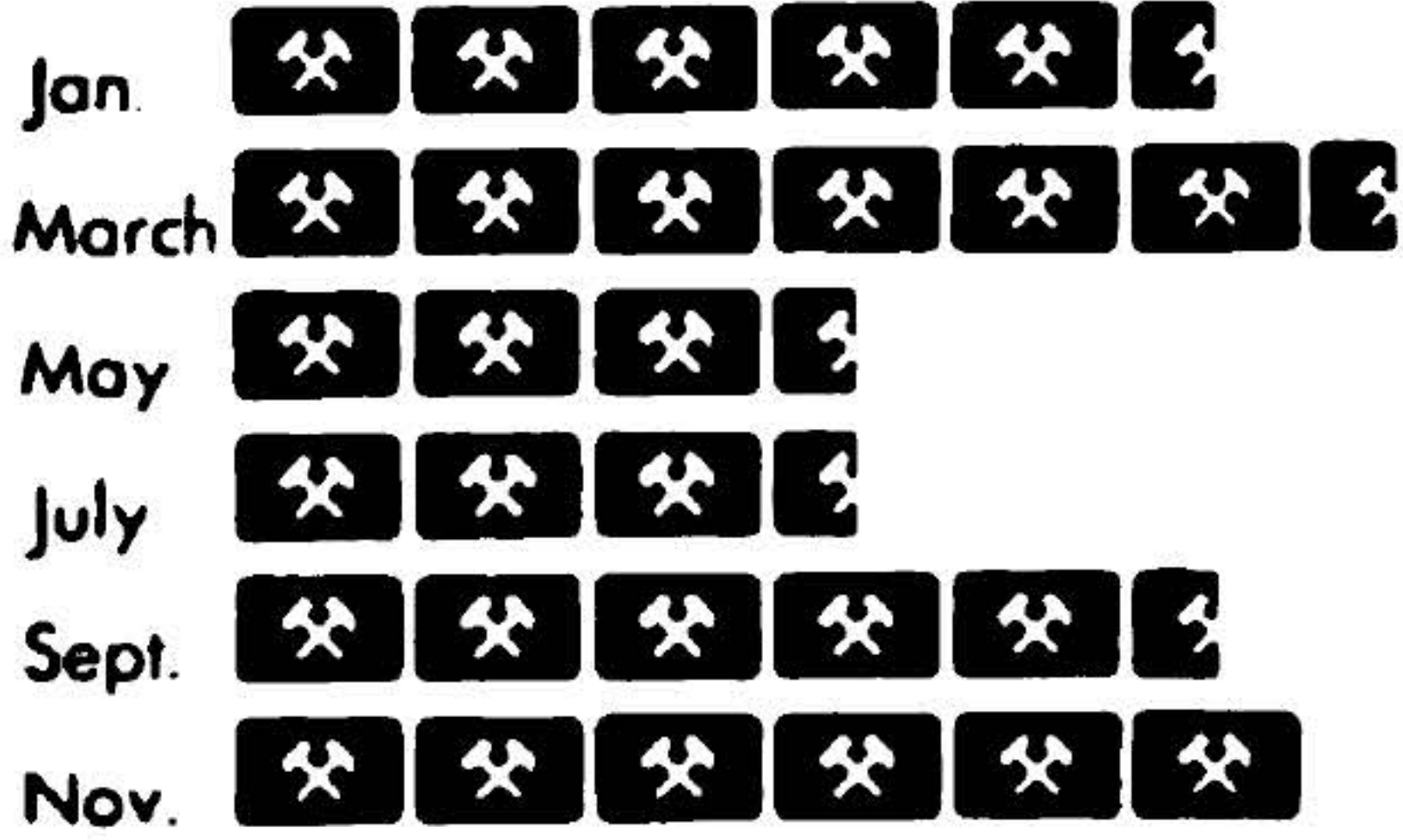
1922
Depression



1926
Prosperity



1932
Crisis



Each symbol represents 5 million net tons of bituminous coal,
monthly produced

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