CONTENTS

AUTOMOTIVE AND MACHINE SHOP SECTION

Supervising the Youthful Worker ..... R. L. Hargraves 4

JOINT SESSIONS

Possibilities VS Probabilities

Remarks of J. B. Hynes 6

Remarks of W. A. Crickmore 7

Remarks of R. H. Mooney 11

Standards (A Symposium)

Trade Association Standards ..... Henry G. Lamb 14

Corporate Standards ..... J. A. Churchill 15

Fire Standards ..... Allen L. Cobb 18

POWER PRESS AND FORGING SECTION

Opening Remarks of General Chairman ..... C. H. Dugger 20

Safe Operation of Industrial Furnaces and Heat Equipment ..... Larry I. Jaffe 22

Clutch—Brake Control Valving ..... A. B. Huntington 26

Officers of the Automotive and Machine Shop Section 31

Officers of the Power Press and Forging Section 33

LEARNING TO LIVE . . .

Learning to live—safely—was the drawing card which brought more than 13,000 men and women from the United States and 27 other countries to Chicago for the 45th National Safety Congress. These people gathered to exchange the latest ideas in safe attitudes, safe methods and safe equipment. Through speeches, panel discussions and symposiums, they acquired new ideas for helping others—and themselves—to live, work, and play safely.

This was the reason the National Safety Council was organized less than half a century ago, a time when man's thoughts barely kept pace with the industrial revolution. Since then, man has introduced an atomic age which is bringing the continents closer and has made the earth a smaller world. And now man anticipates inter-space travel!

Through science and technology, man is progressing to increasing speeds in travel and production, and increasing dangers—new dangers never before encountered. These, in addition to the everyday hazards of life, occupied the thoughts of the safety people at the Congress.

To encourage more widespread knowledge of the various fields of safety, the National Safety Council publishes the Current Safety Topics—30 volumes of condensations of Congress speeches and exchanges of ideas. Each volume is a handy reference to different phases of accident prevention. The complete set of volumes are listed on the back page of each volume.

Since the proceedings have been edited and condensed for reference purposes, the complete original manuscripts with any charts or illustrations used, are available in the National Safety Council files. Views expressed at the Congress or in any volume of Current Safety Topics are those of the Congress participants, and not necessarily those of the National Safety Council.

AUTOMOTIVE & MACHINE SHOP SECTION POWER PRESS AND FORGING SECTION

This volume is a record of the sessions held at the 1957 National Safety Congress by the Automotive and Machine Shop Section and Power Press and Forging Section. The conduct of these Congress sessions each year is only one of the many cooperative activities which the Automotive and Machine Shop Section and Power Press and Forging Section carry on in behalf of their members, and for the benefit of accident prevention work in automotive and machine shops and power press and forging operations. These Sections give guidance in the preparation of a great variety of technical and educational material useful in the day-to-day safety programs of plants operating automotive and machine shops and power presses.

The activities of these Sections are under the direction of their executive committees, the members of which are listed at the close of this volume.