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The American Society of Mechanical Engineers

LANDMARK CEREMONY PROGRAM

GINACA

AN INTERNATIONAL HISTORIC MECHANICAL ENGINEERING LANDMARK

Dole

DOLE PACKAGED FOODS COMPANY
HONOLULU, HAWAII • FEBRUARY 19, 1993

ABOUT THE LANDMARKS

The Ginaca machine is the 37th International Historic Mechanical Engineering Landmark to be designated. Since the ASME History and Heritage Program began, 155 Historic Mechanical Engineering Landmarks, 6 Mechanical Engineering Heritage Sites, and 4 Mechanical Engineering Heritage Collections have been recognized. Each reflects its influence on society, either in its immediate locale, nationwide, or throughout the world. A landmark represents a progressive step in the evolution of mechanical engineering. Site designations note an even or development of clear historical importance to mechanical engineers. Collections mark the contributions of a number of objects with special significance to the historical development of mechanical engineering.

The ASME History and Heritage Program illuminates our technological heritage and serves to encourage the preservation of the physical remains of historically important works. It provides and annotated roster for engineers, students, educators, historians, and travelers, and helps establish persistent reminders of where we have been and where we are going along the divergent paths of discovery.

Commercial pineapple production began in Hawaii about 1890. Fruit was hand-peeled and sliced to match can sizes for export. In 1911, James D. Dole hired Henry G. Ginaca to design a machine to automate the process, as fruit dropped through the Ginaca machine a cylinder was cut to proper diameter, trimmed top and bottom, and cored. This machine more than tripled production, making pineapple Hawaii's second largest crop. In the faster Ginaca machines now used around the world, the principle remains unchanged.

DESIGNATION PROGRAM

GINACA

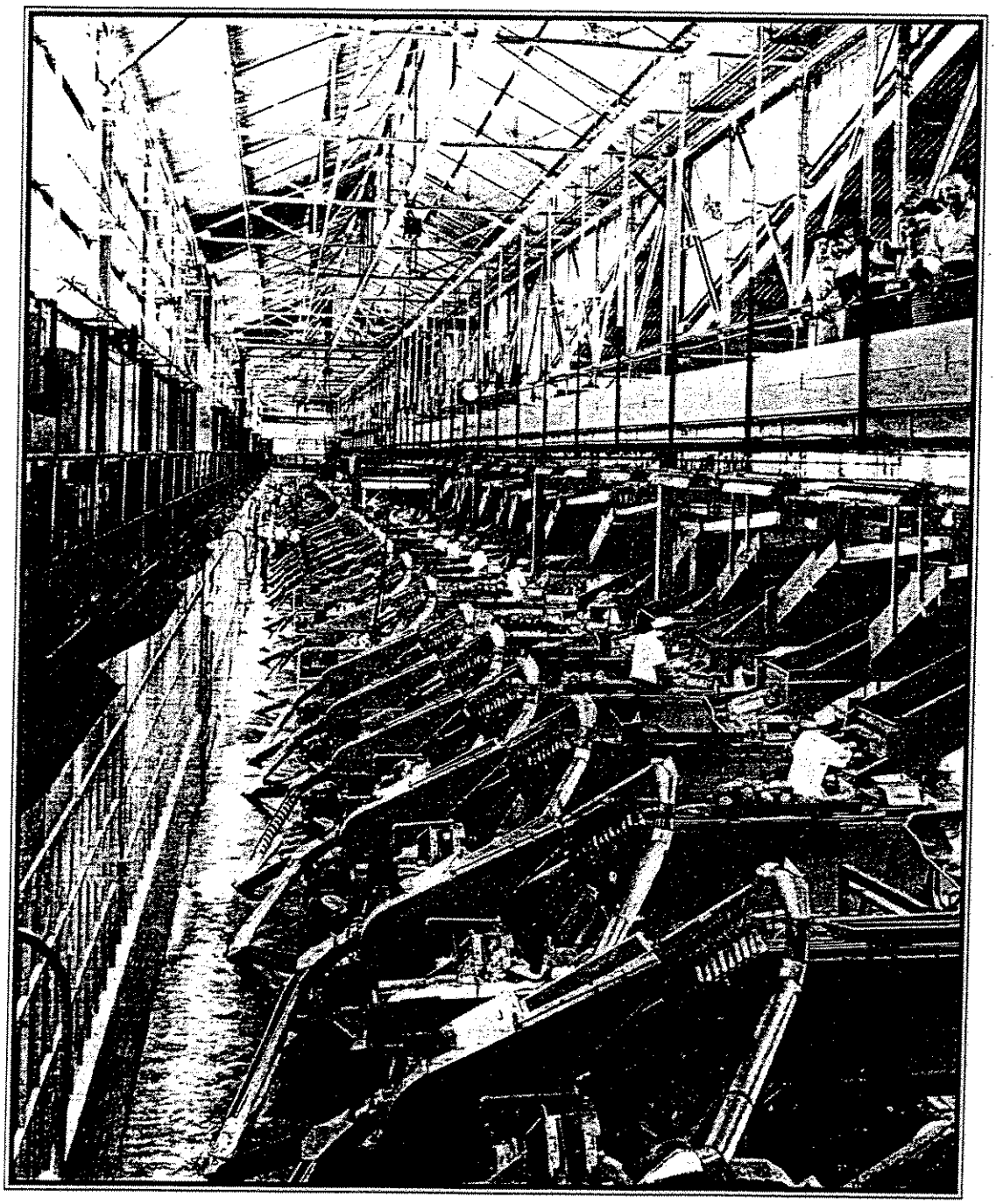
PINEAPPLE PROCESSING MACHINE

Welcome to the Designation Ceremony	Valerie Takahashi, *Chairwoman, Landmark Planning Committee*
Opening Remarks	Michael F. O'Brien *V.P.and General Manager, Dole Packaged Foods Company - Hawaii*
Introduction of Honored Guests	Valerie Takahashi
History of the Ginaca	Glenn F. Ball, *V.P. Manufacturing, Dole Packaged Foods Company - Hawaii*
	Richard B. Dole, *Director of Research, First Honolulu Securities Inc.* *(Grandson of James D. Dole)*
Presentation of Commemorative Plaque	William J. Warren, *P.E., ASME*
Acceptance of Plaque	Michael G. Binder, *President, Dole Packaged Foods Company - Asia*
Blessing of Plaque	Rev. David Twigg, *Kaumakapili Church*
Closing Remarks	James F. Grogan, *History & Heritage, ASME Hawaii Section*
The " Story of Dole" *A Multi - Media Video*	Valerie Takahashi

Reception Following

GINACA

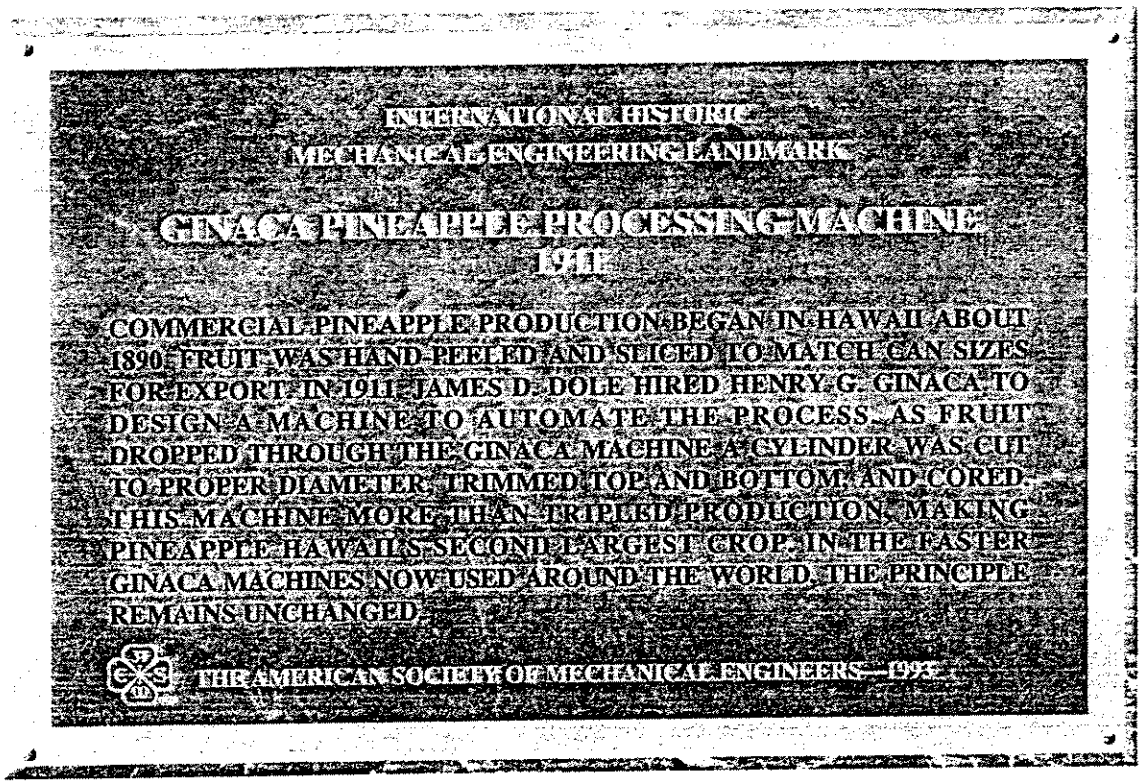
Pineapple Processing Machine



INTERNATIONAL HISTORIC MECHANICAL ENGINEERING LANDMARK • HAWAII SECTION

Dole

DOLE PACKAGED FOODS COMPANY • HONOLULU, HAWAII • FEBRUARY 19, 1993


INTERNATIONAL HISTORIC
MECHANICAL ENGINEERING LANDMARK
GINACA PINEAPPLE PROCESSING MACHINE
1911
COMMERCIAL PINEAPPLE PRODUCTION BEGAN IN HAWAII ABOUT 1890. FRUIT WAS HAND PEELED AND SLICED TO MATCH CAN SIZES FOR EXPORT. IN 1911, JAMES D. DOLE HIRED HENRY G. GINACA TO DESIGN A MACHINE TO AUTOMATE THE PROCESS. AS FRUIT DROPPED THROUGH THE GINACA MACHINE A CYLINDER WAS CUT TO PROPER DIAMETER, TRIMMED TOP AND BOTTOM, AND CORED. THIS MACHINE MORE THAN TRIPLED PRODUCTION, MAKING PINEAPPLE HAWAII'S SECOND LARGEST CROP. IN THE FASTER GINACA MACHINES NOW USED AROUND THE WORLD, THE PRINCIPLE REMAINS UNCHANGED.
THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS—1995

The History and Heritage Program of ASME

The ASME History and Heritage Program began in September 1971. To implement and achieve its goals, ASME formed a History and Heritage Committee, composed of mechanical engineers, historians of technology, and the Curator of Mechanical and Civil Engineering at the Smithsonian Institution . The Committee provides a public service by examining, noting, recording, and acknowledging mechanical engineering achievements of particular significance.

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Acknowledgements

The Hawaii Section of the American Society of Mechanical Engineers gratefully acknowledges the efforts of all who contributed to the designation of the Ginaca pineapple processing machine as an International Historic Mechanical Engineering Landmark. A special thank you is extended to Dole Packaged Foods Company for their contributions in preparing this brochure and the designation ceremony. We also thank Mr. J. Farmer whose notes of March 1966 were used extensively. We would also be remiss if we did not acknowledge the literally thousands of people who worked the pineapple fields and in the process plants and their influence on this land we call Hawaii.

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July 1-7, 1956. Sec. II

Dole Packaged Foods Company
Michael G. Binder, President, Dole Packaged Foods Company - Asia
Michael F. O'Brien, Vice President and General Manager, Dole Packaged Foods Company - Hawaii Division
Glenn F. Ball, Vice President Manufacturing, Hawaii Division
Kit J. McClure, Cannery Manager, Hawaii Division

Historical Landmark Planning Committee
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