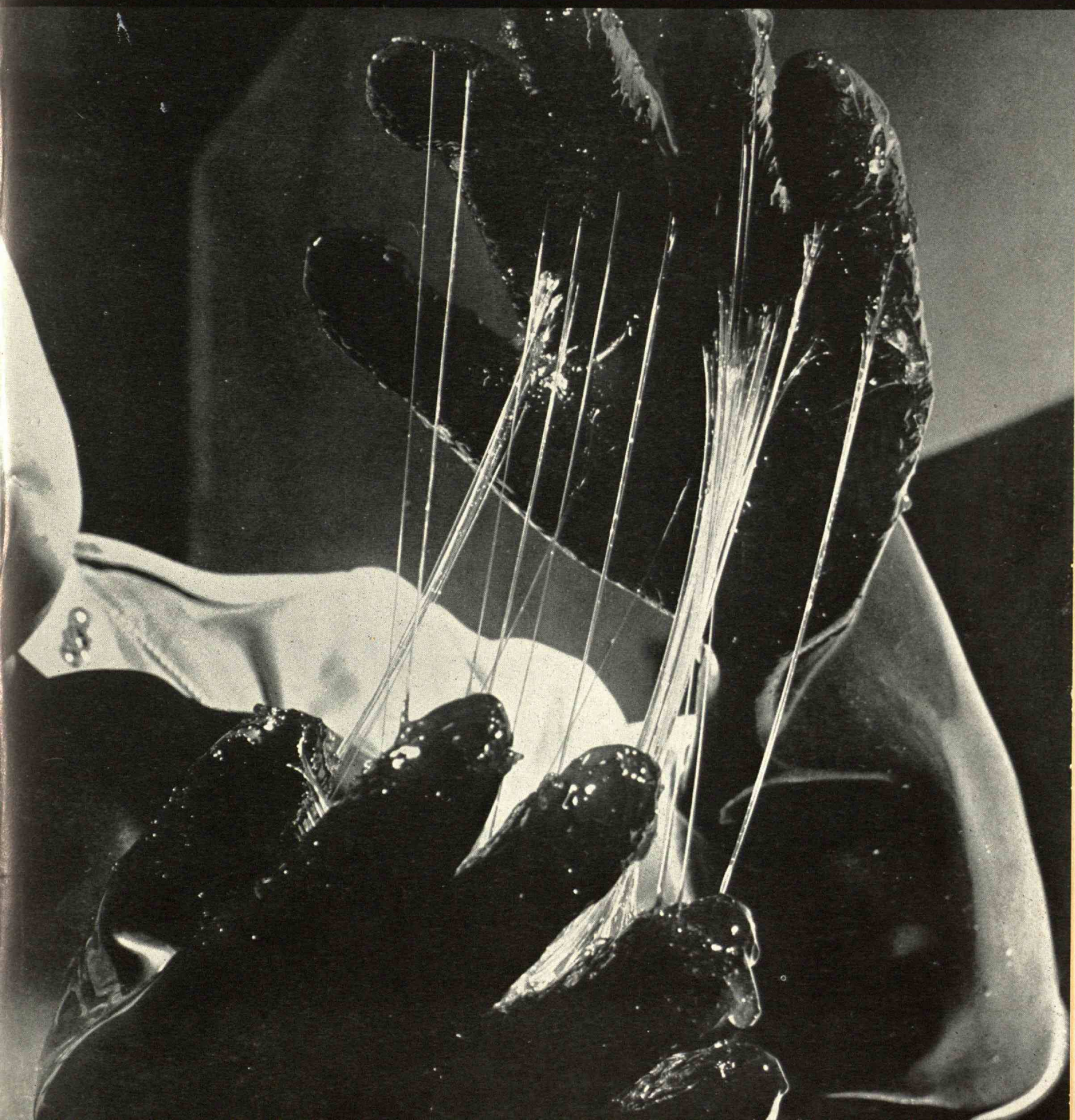


*December 1945*

# TECHNOLOGY REVIEW

Title Reg. in U. S. Pat. Office

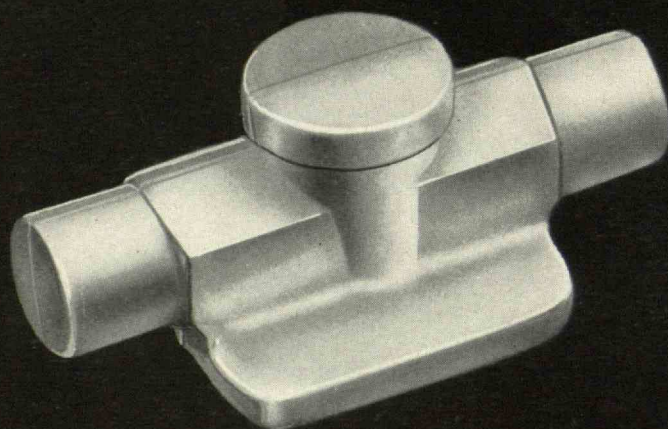
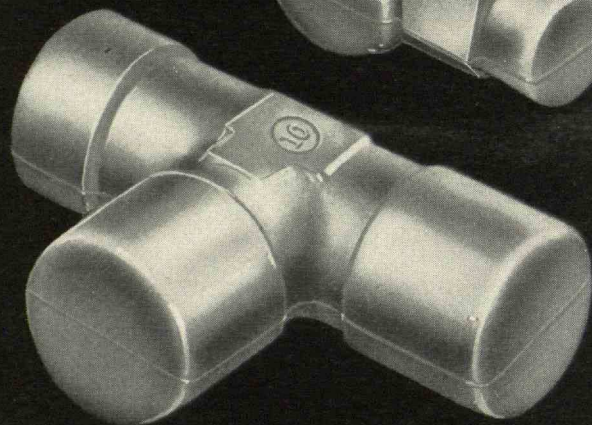
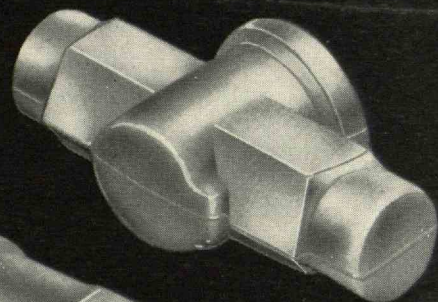
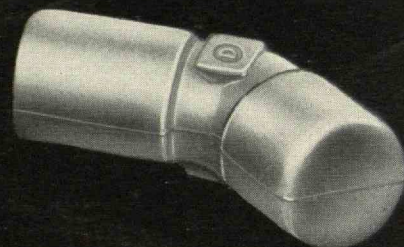
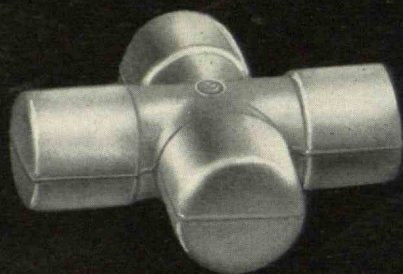




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**FORGED**

**VALVE BODIES—FITTINGS  
OF NON-FERROUS METALS**



**HARVEY**

**METAL CORPORATION**

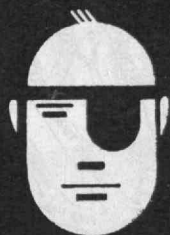
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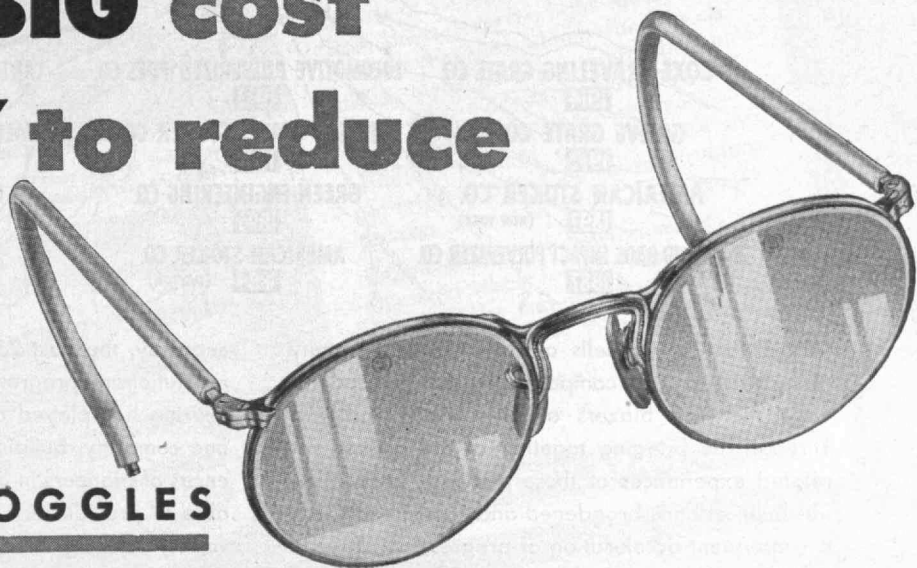
EYE  
ACCIDENTS  
**\$343**  
*each*



ALL  
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ACCIDENTS  
**\$194**  
*each*

Average cost of compensation and medical treatment for accidents according to insurance company figures.

# The BIG cost is EASY to reduce

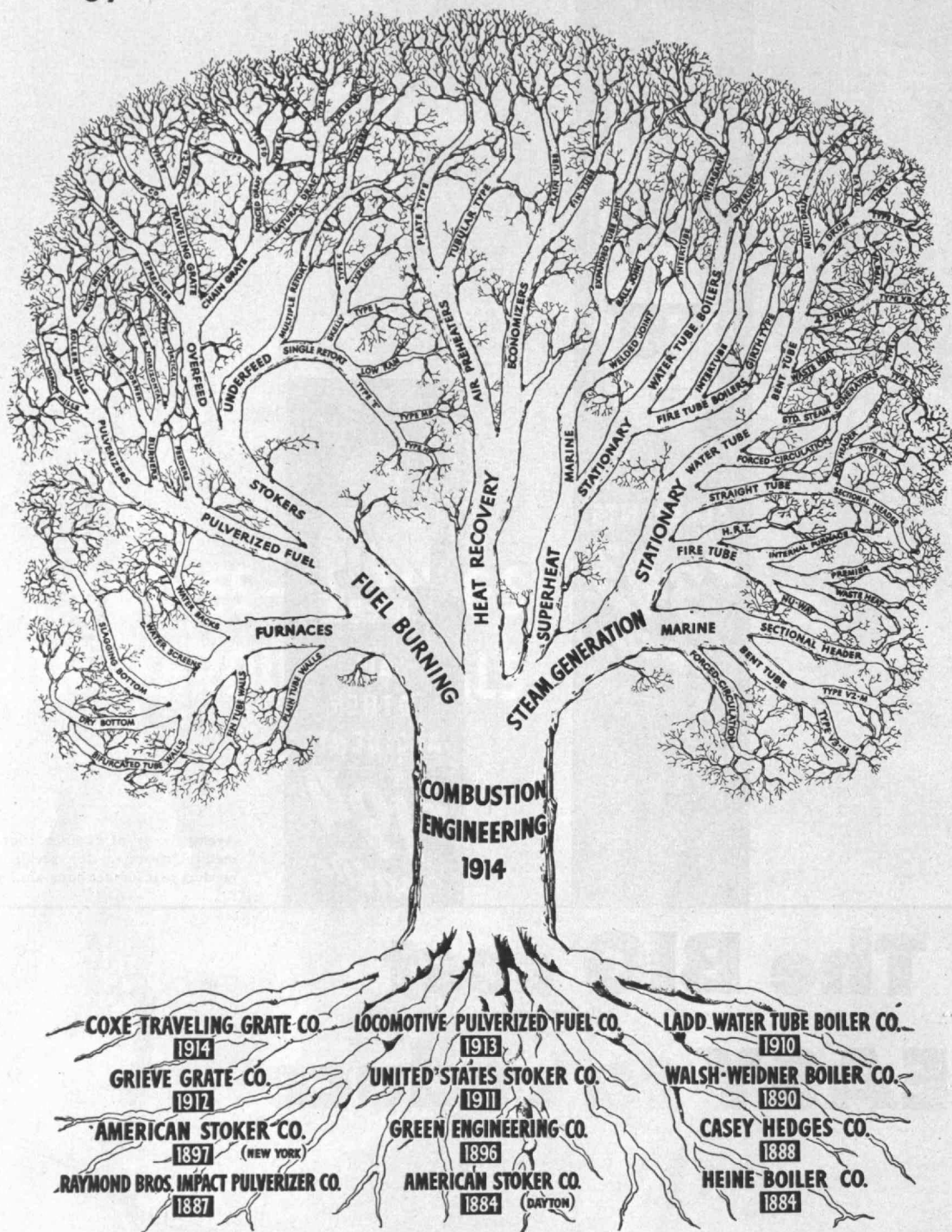


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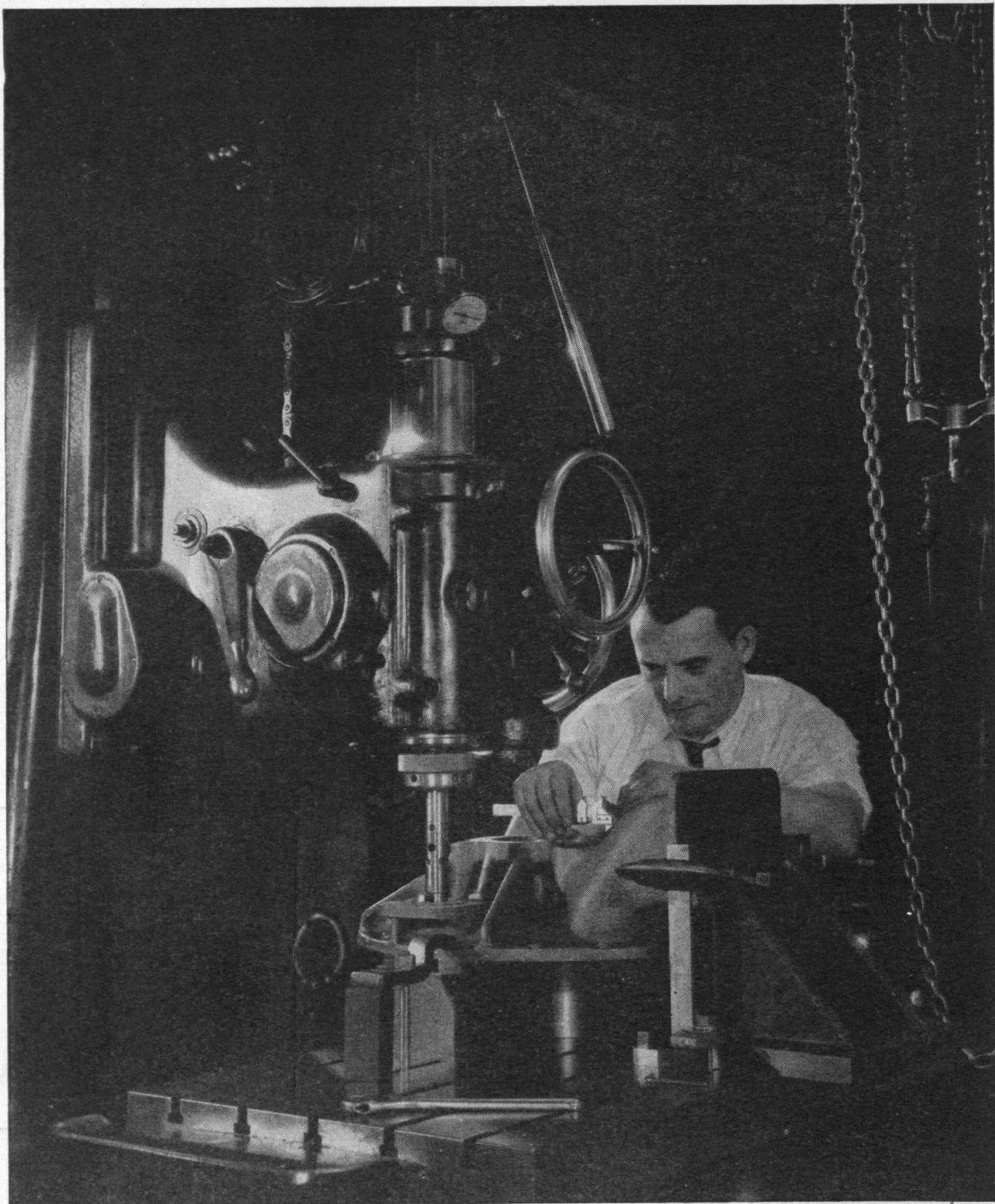
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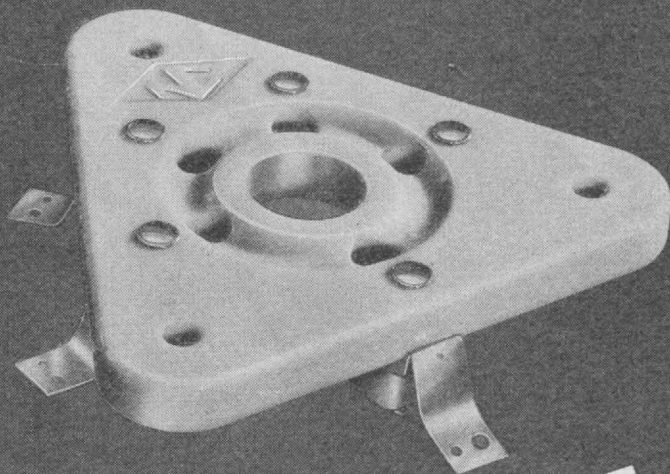


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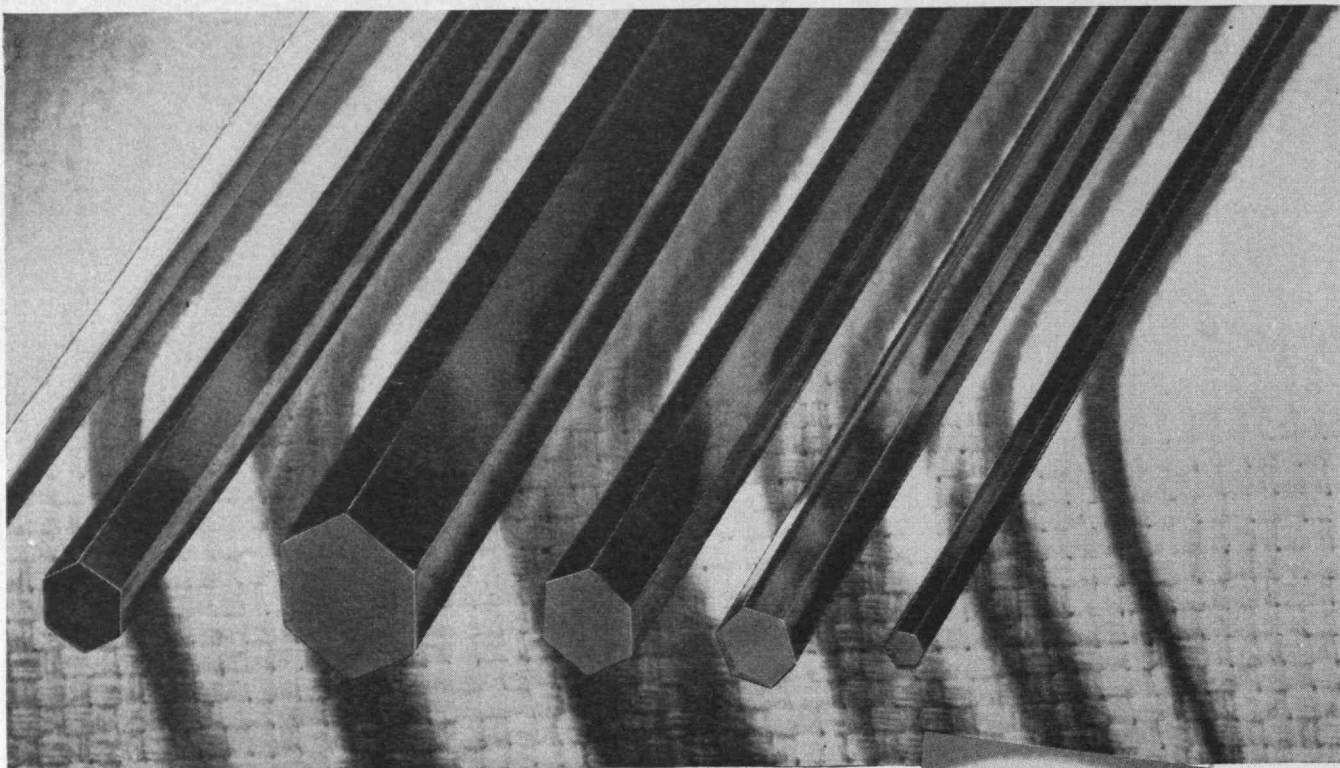
HX-100 Socket List Price, \$3.30.

HX-100S Socket with three stand-off insulators, List Price, \$4.25.

**NATIONAL COMPANY, INC.**  
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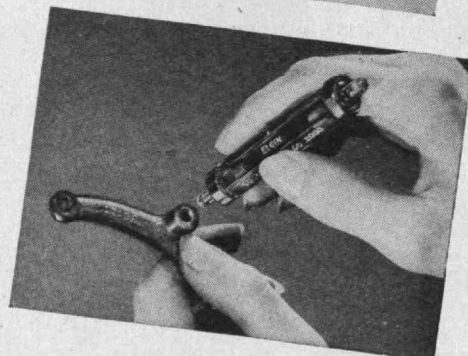
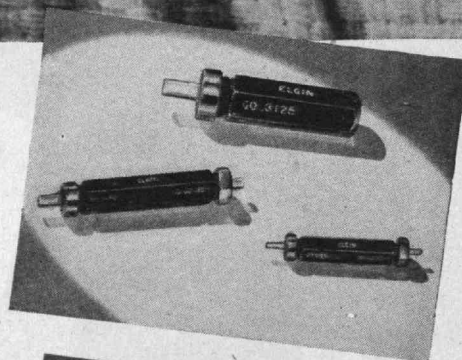
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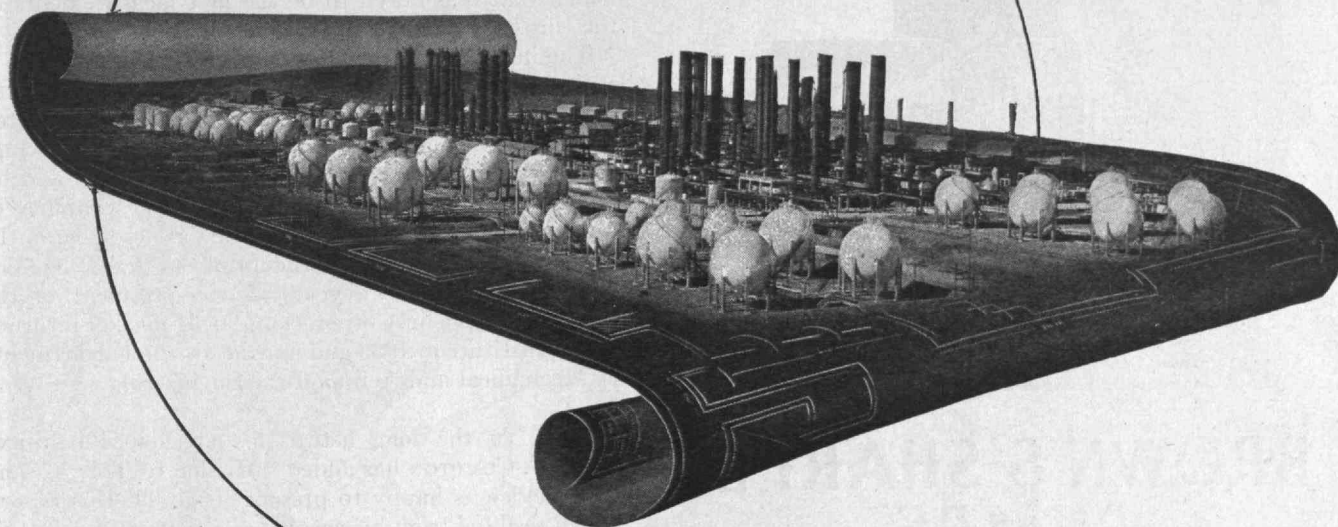
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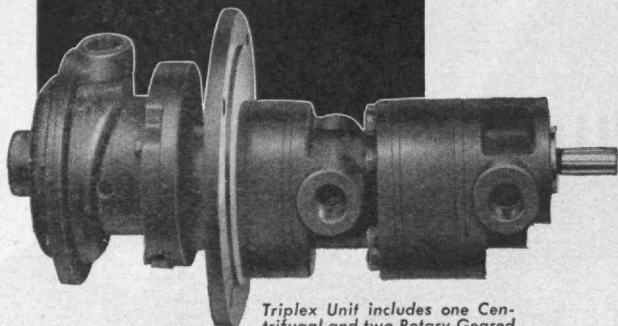
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**THE TECHNOLOGY REVIEW**  
**Cambridge 39, Mass.**

## THE TABULAR VIEW

**Pioneers.**— Among the earliest efforts in airplane instrumentation are the tests of the late Professor Alfred V. de Forest and Captain Luis de Florez, who received their degrees in 1912 but affiliated with the Class of 1911. Working together on their undergraduate thesis, "Tests on a Burgess-Wright Aeroplane," these two young men made what is believed to be the first measurements of the thrust of an airplane propeller in flight.

The importance of their 1912 undergraduate thesis is reviewed (page 96) by PROFESSOR JEROME C. HUNSAKER, '12, himself a noted pioneer in aviation, as attested by the award made to him in 1933 of the Daniel Guggenheim Medal for achievement in aeronautics and by the title of his doctoral thesis, "Dynamic Stability of Aeroplanes." After spending 18 years as an officer in the Navy, two years as vice-president of the Bell Telephone Laboratories, and five years as vice-president of the Goodyear-Zeppelin Corporation, Dr. Hunsaker returned to the Institute in 1933 and now heads the Departments of Mechanical and Aeronautical Engineering.

**Survey.** To the long list of his articles, PRESIDENT KARL T. COMPTON has added "Mission to Tokyo," and The Review is happy to present (page 99) this report, which resulted from his active participation in scientific projects aimed to win the peace.

Granted six months' leave of absence to direct the activities of several hundred scientists in the Pacific in the war against Japan, President Compton left Cambridge for Manila late in July. Six days after he reached Manila and began organizing this scientific staff, the Japanese had negotiated for surrender. Instead of being free to return to the Institute, Dr. Compton was confronted with a new and unexpected assignment in which the war research projects and scientific resources of Japan were to be surveyed as quickly as possible as one phase of the early occupation of the Japanese islands.

*(Concluded on page 90)*

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