

# Photographic Souvenir of the

SECRETARY
COPPER AND BRASS
RESEARCH ASSOCIATION
420 LEXINGTON AVE., NEW YORK

### COPPER & BRASS INDUSTRY EXHIBIT

at the

### New York World's Fair 1939

Metals Building

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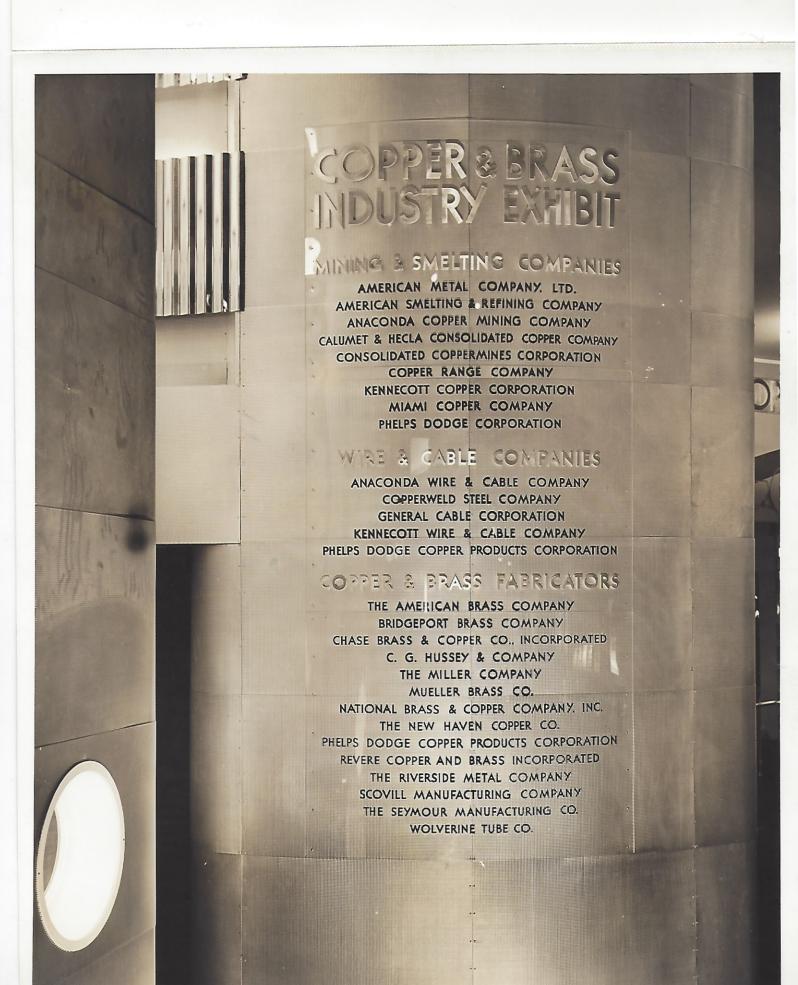
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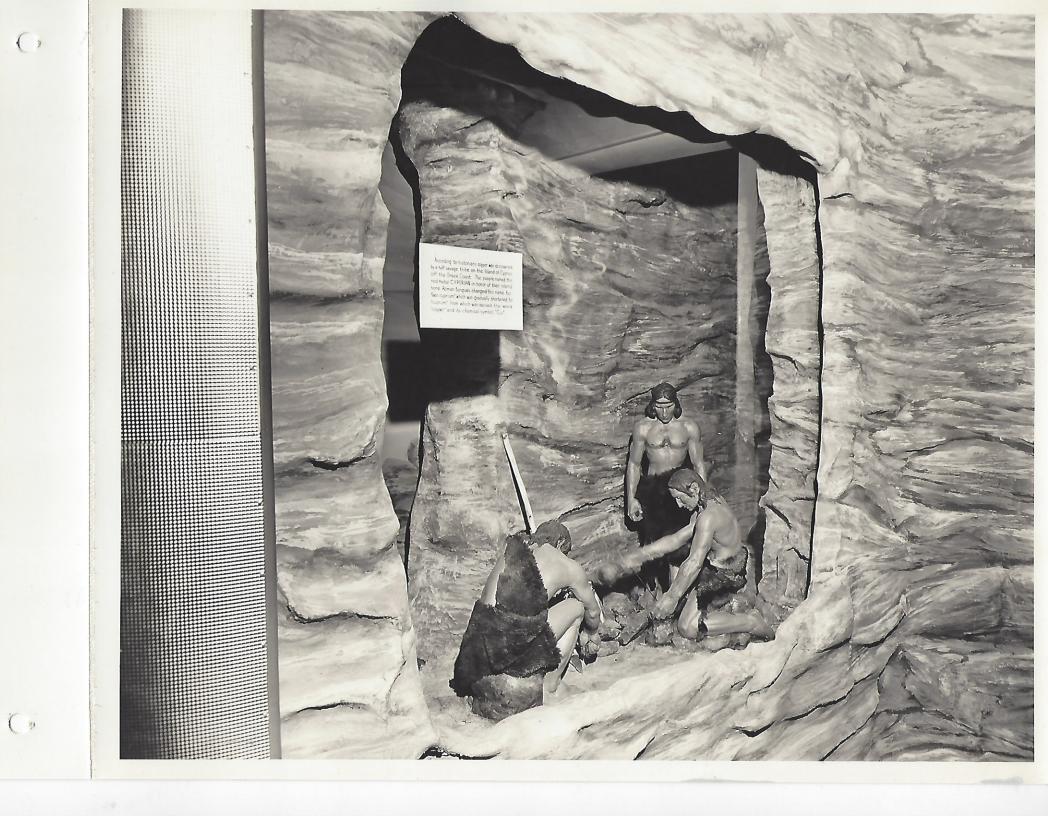
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Copper played an important part in the life of the American Indians long before Christopher Columbus discovered the New World

## CASTING BRONZE DOOR FOR THE GREAT TEMPLE OF KARNAK, IN ANCIENT EGYPT



Over a long period of time in ancient typt a number of temples, hells and monuments were built on the site of the ancient city of Thebes on the eastern bank of the Nile. About 2700 BC. the first temple was begun by Usertesen I, and extensive additions were made by Thothmes I and III. It was probably in the construction of the great temple of Amen built by Ramses III, that the first bronze doors were cast. These are now known throughout the world as the famous bronze doors of the 'Temple of Karnak'.

### PERSEUS HOLDING THE HEAD OF MEDUSA, BY BENVENUTO CELLINI. 16T CENTURY



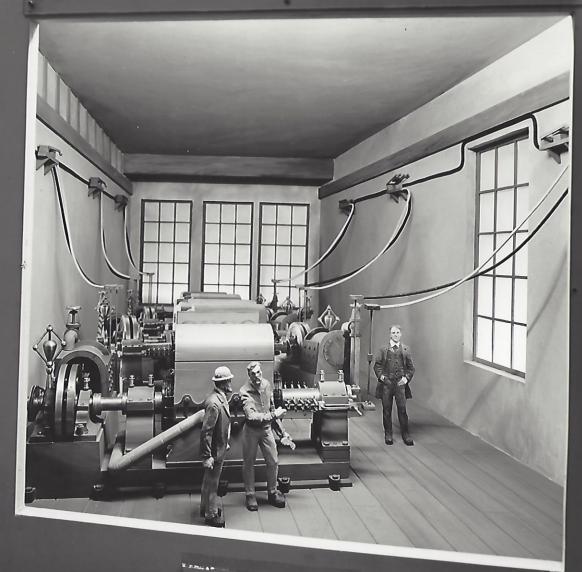
Bevenuto Cellini, famous Italian sculptor, in the 16th century cast a statue showing Perseus holding the head of Medusa. Legend says that Cellini was short of copper and made up the shortage by adding his pewter cooking utensils. He thus added tin to the copper and accidentally produced a very superior bronze.

1831 - THE FIRST BRASS CRAFTSMEN WERE SMUGGLED IN BARRELS FROM ENGLAND INTO AMERICA. IT WAS A VIOLATION OF ENGLISH LAWS FOR THESE WORKMEN TO LEAVE THE COUNTRY



In 1831 the first brass craftsmen were smuggled in barrels from England into. America. English laws prevented these workmen from leaving the country but such laws did not prevent America's infant industry. From Importing English workmen.

## FIRST ELECTRIC POWER STATION IN THE WORLD PEARL STREET, NEW YORK CITY. 1882

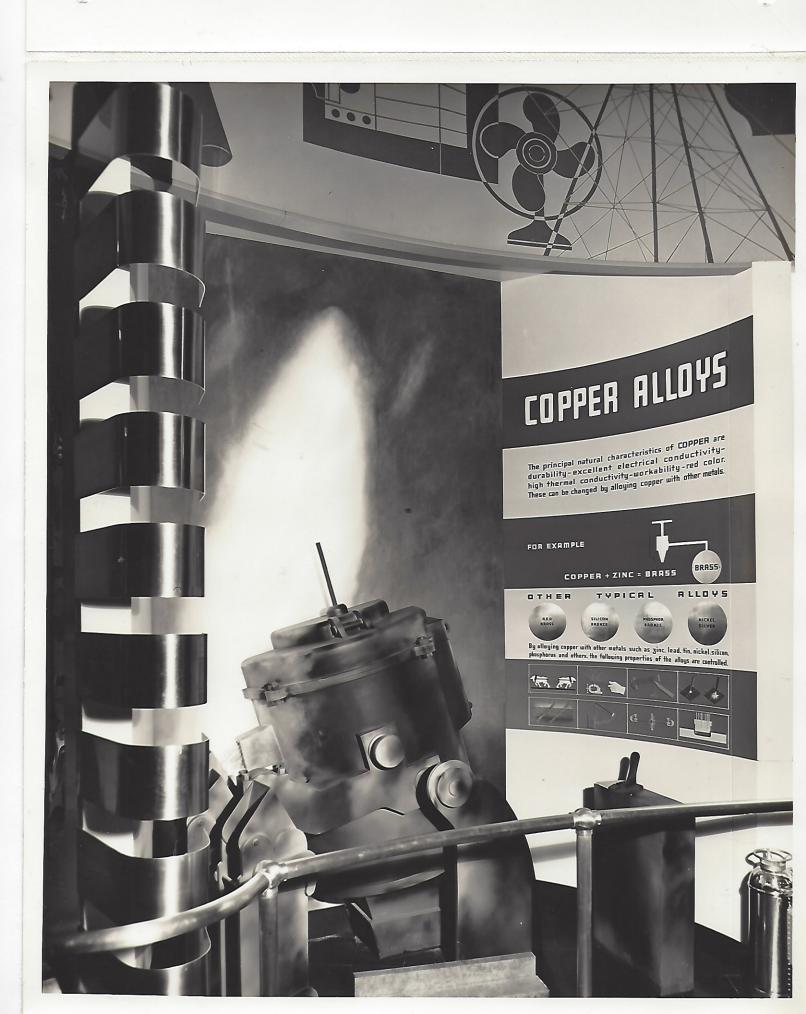


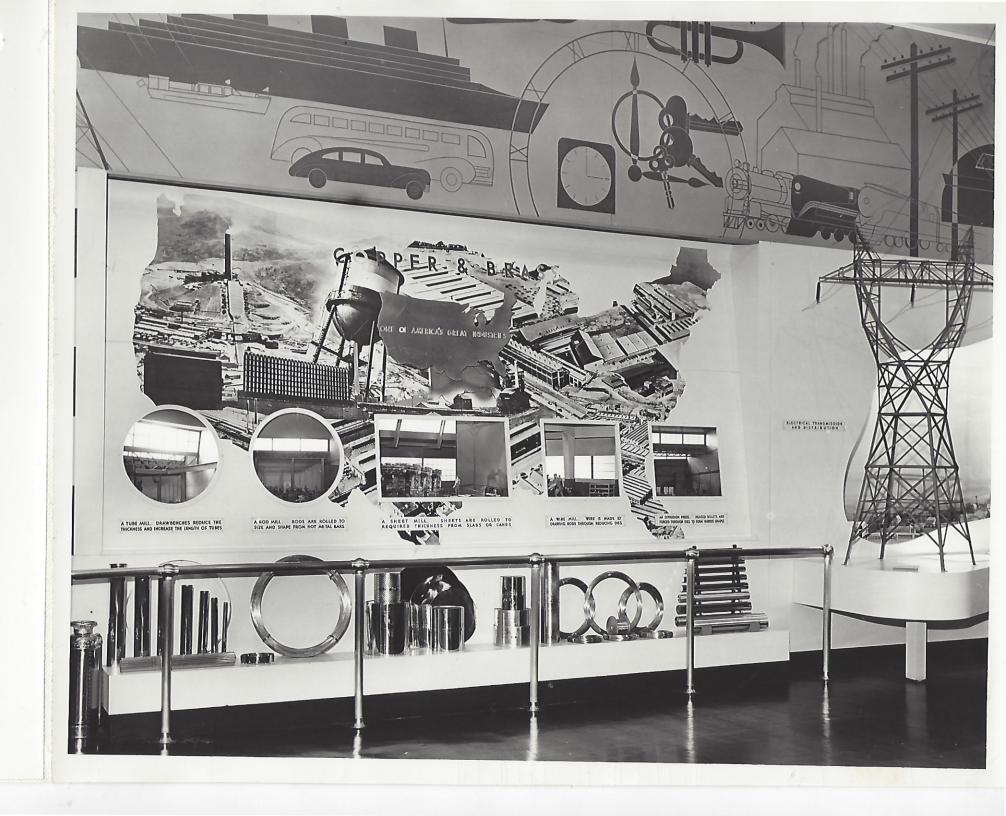
Electric power became available for lighting in 1878 when Edison perfected the incandescent bulb, with a carbon filament. On the 4th day of September 1882, the worlds First central power station was constructed by Edison at Rearl Street, New York City.

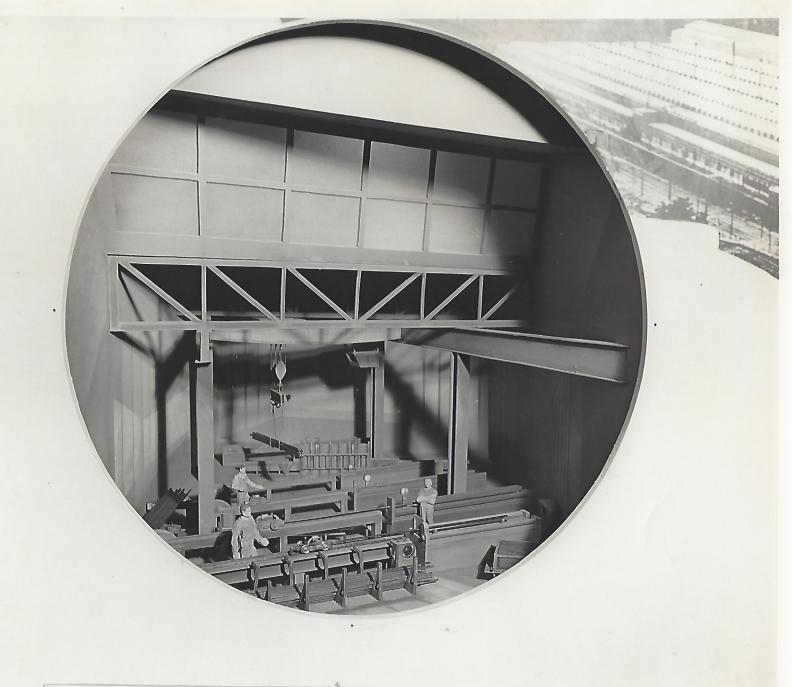




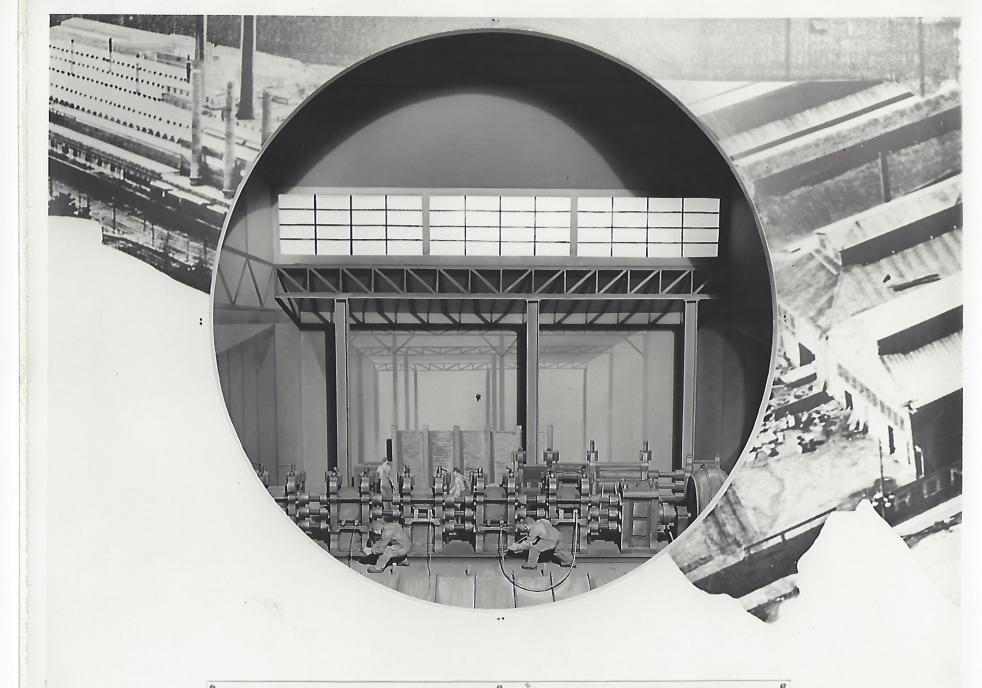




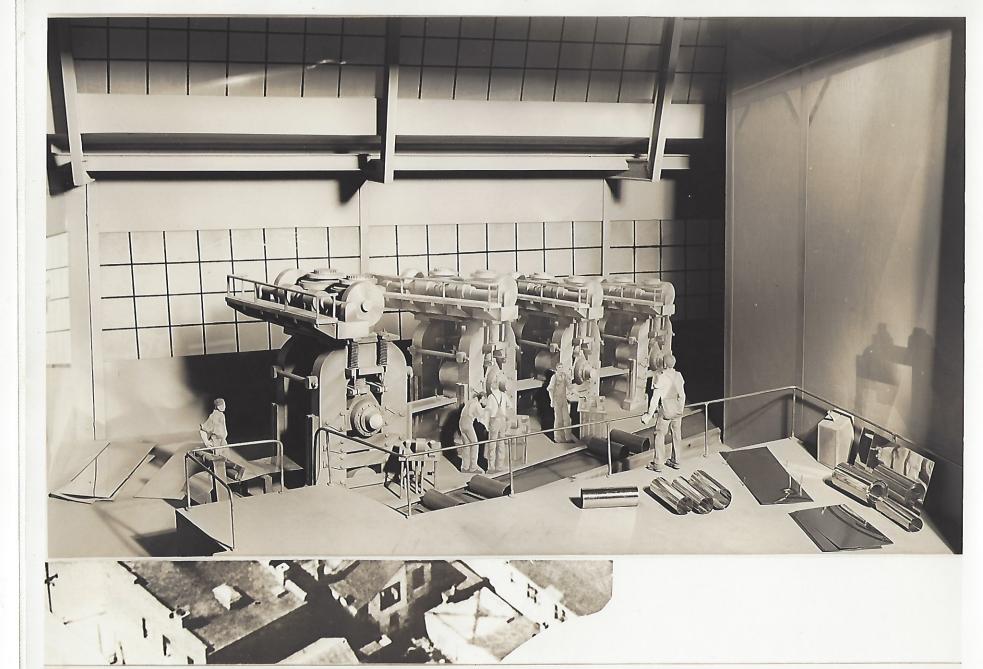




A TUBE MILL. DRAWBENCHES REDUCE THE THICKNESS AND INCREASE THE LENGTH OF TUBES

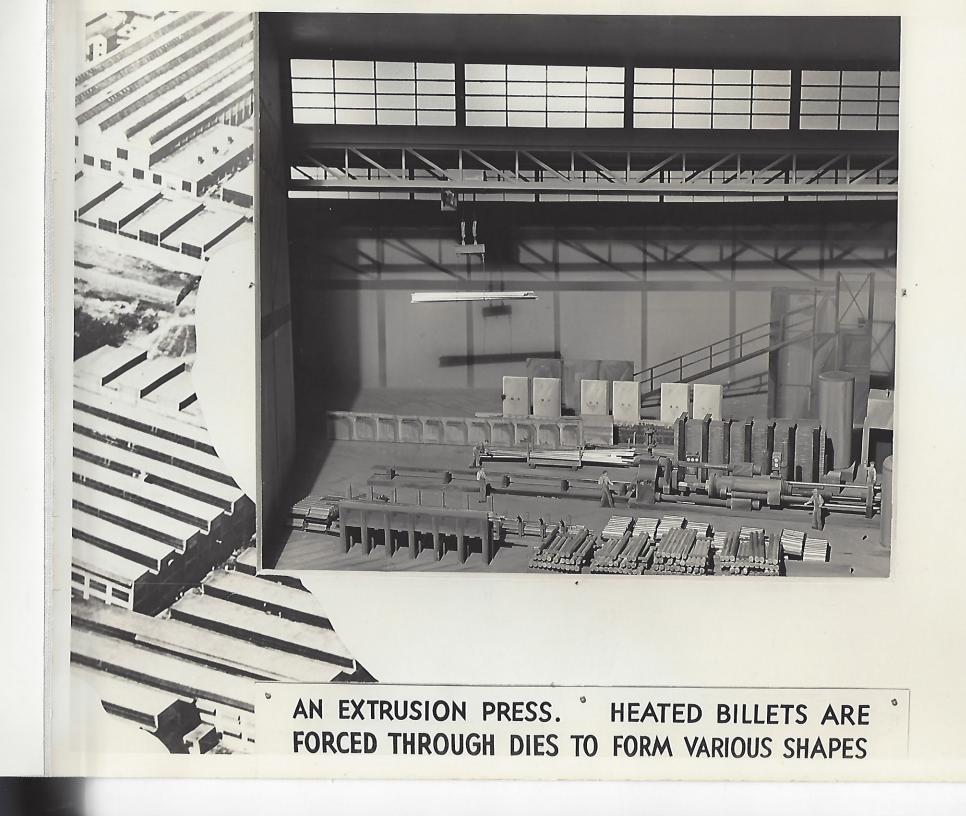


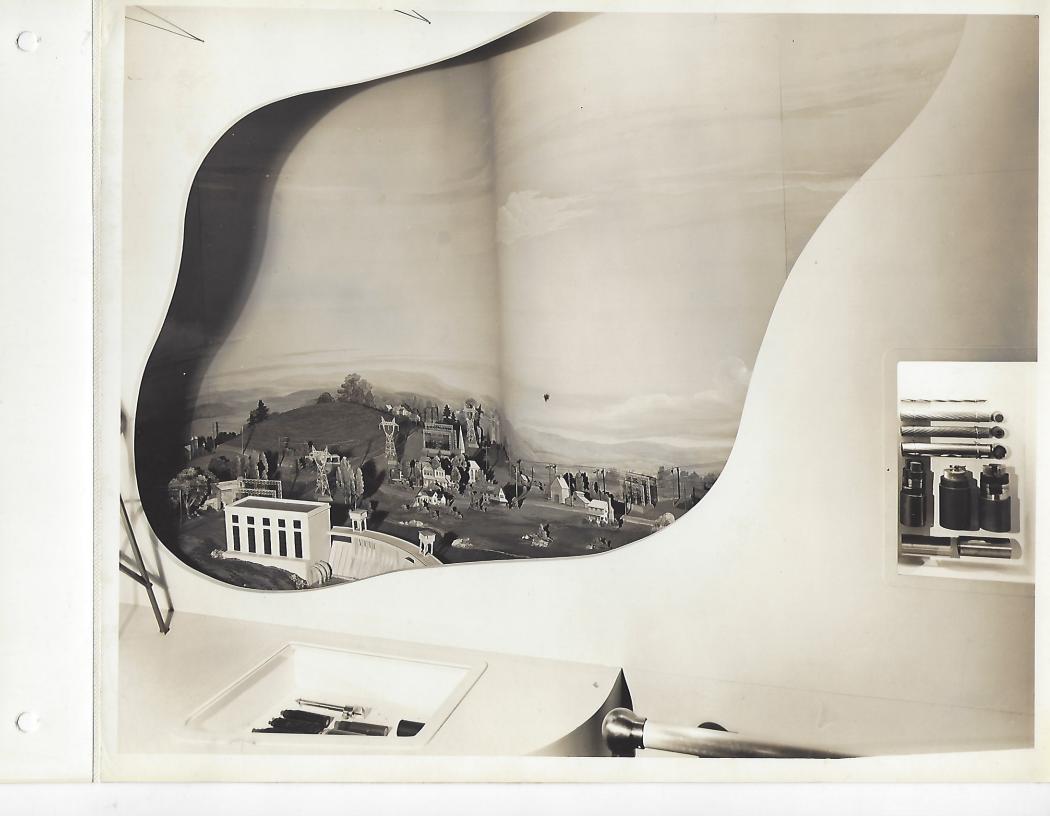
A ROD MILL. RODS ARE ROLLED TO SIZE AND SHAPE FROM HOT METAL BARS

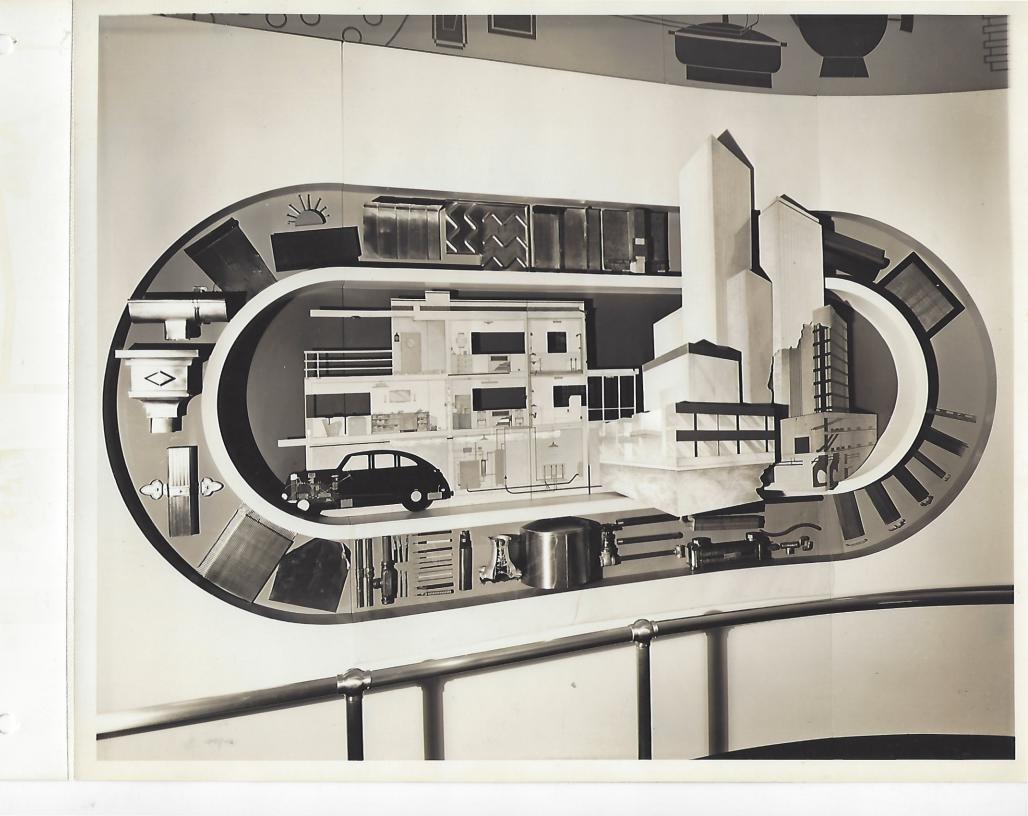


A SHEET MILL. SHEETS ARE ROLLED TO REQUIRED THICKNESS FROM SLABS OR CAKES



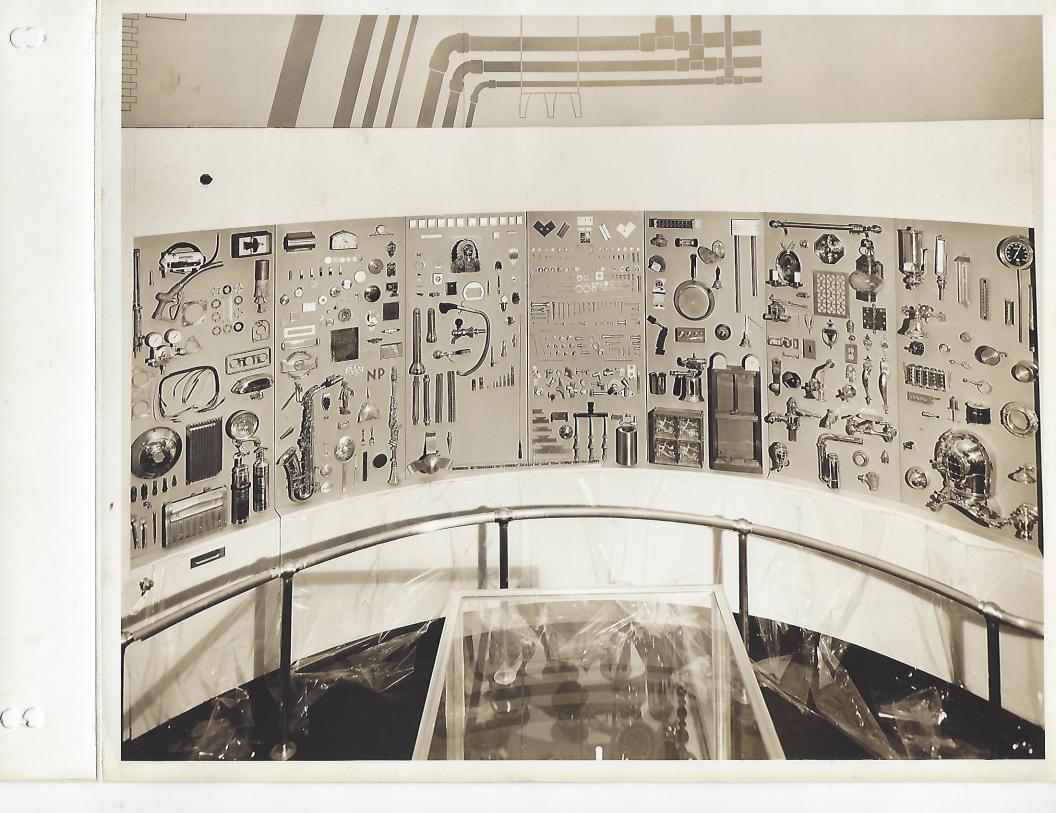


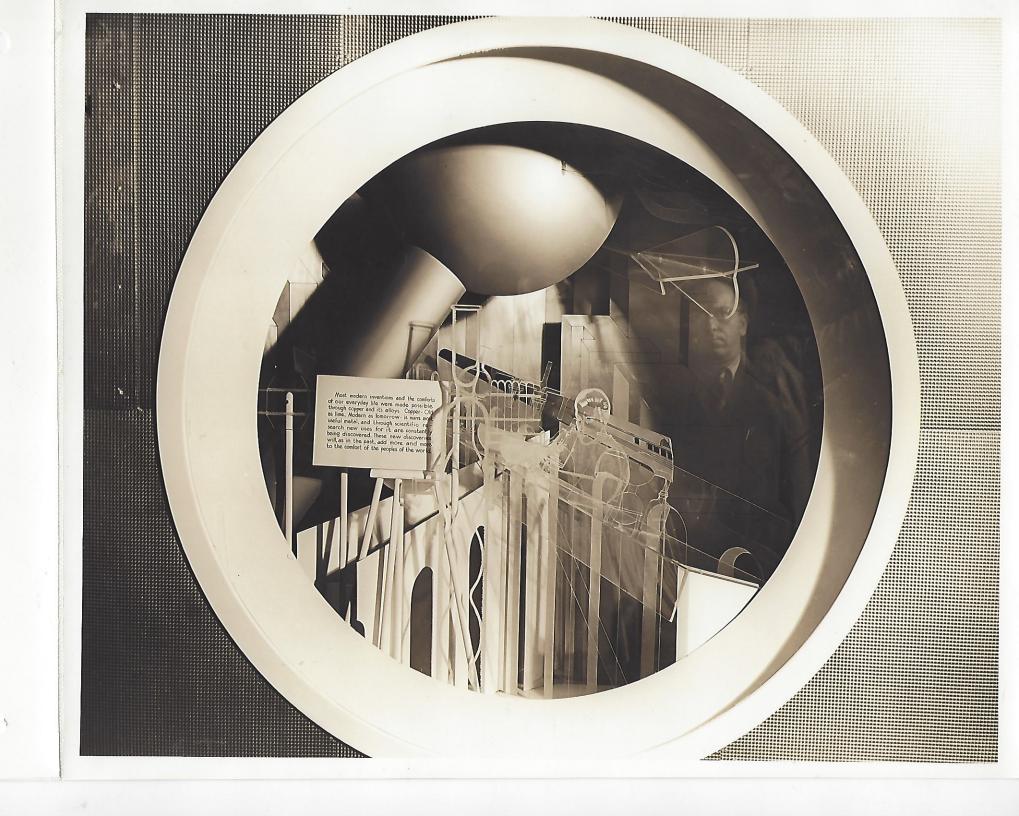






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