

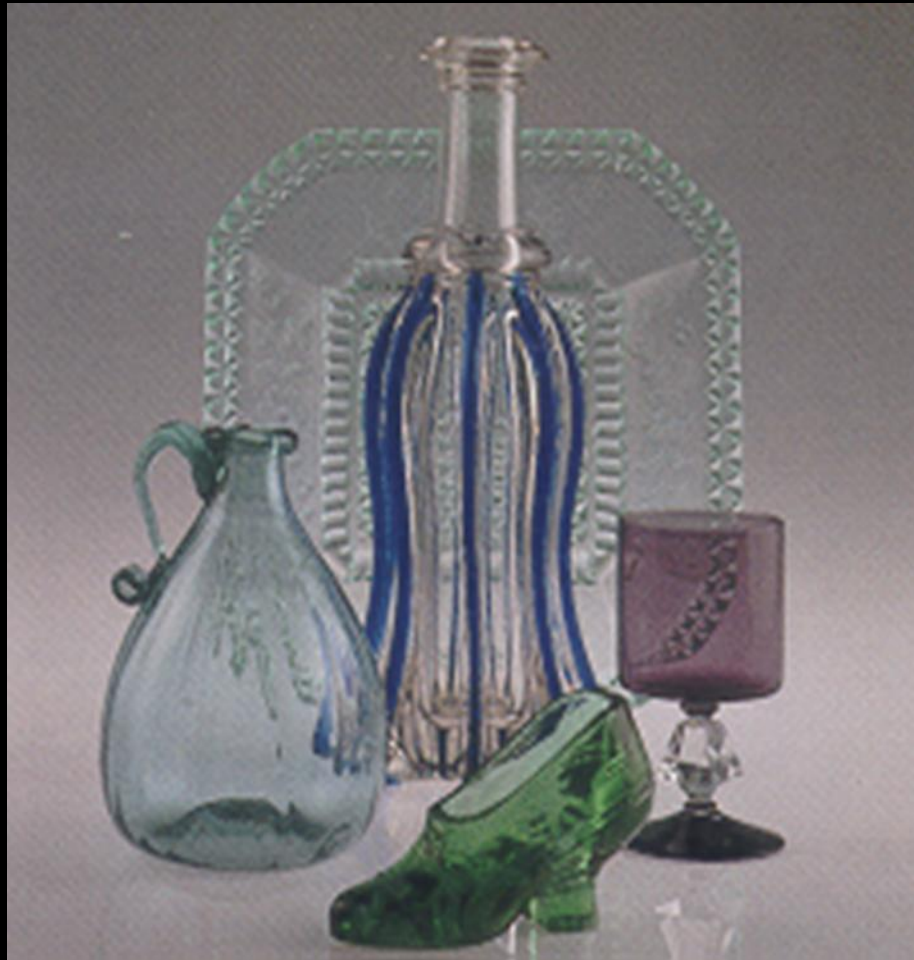
*From the Everyday to the
Extraordinary:*

Pittsburgh, America's Glass City

Glass: Shattering Notions

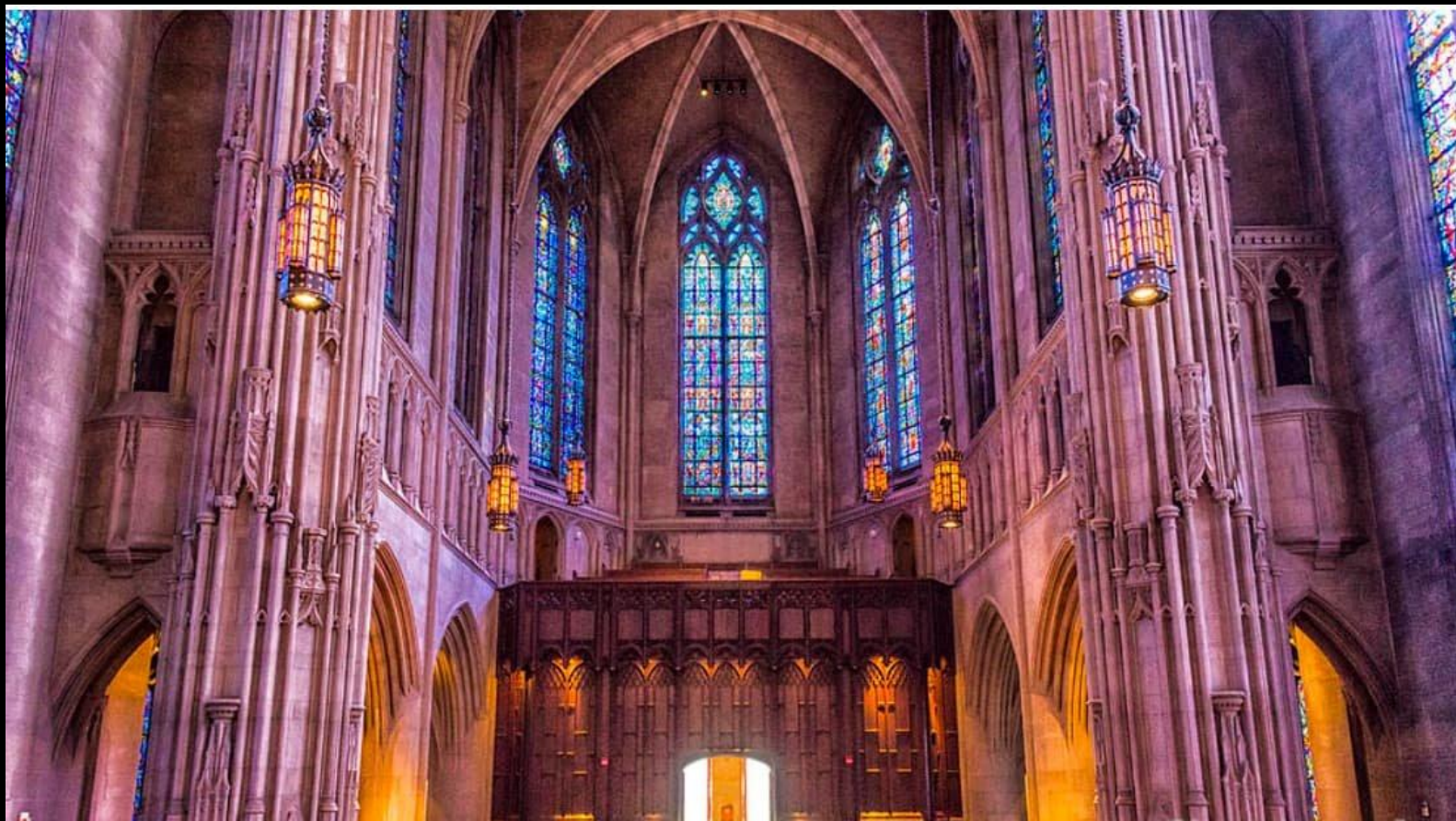


Made Here, Used Everywhere





Glass is All Around Us



Glass as Metaphor



The Earliest Products of the Region



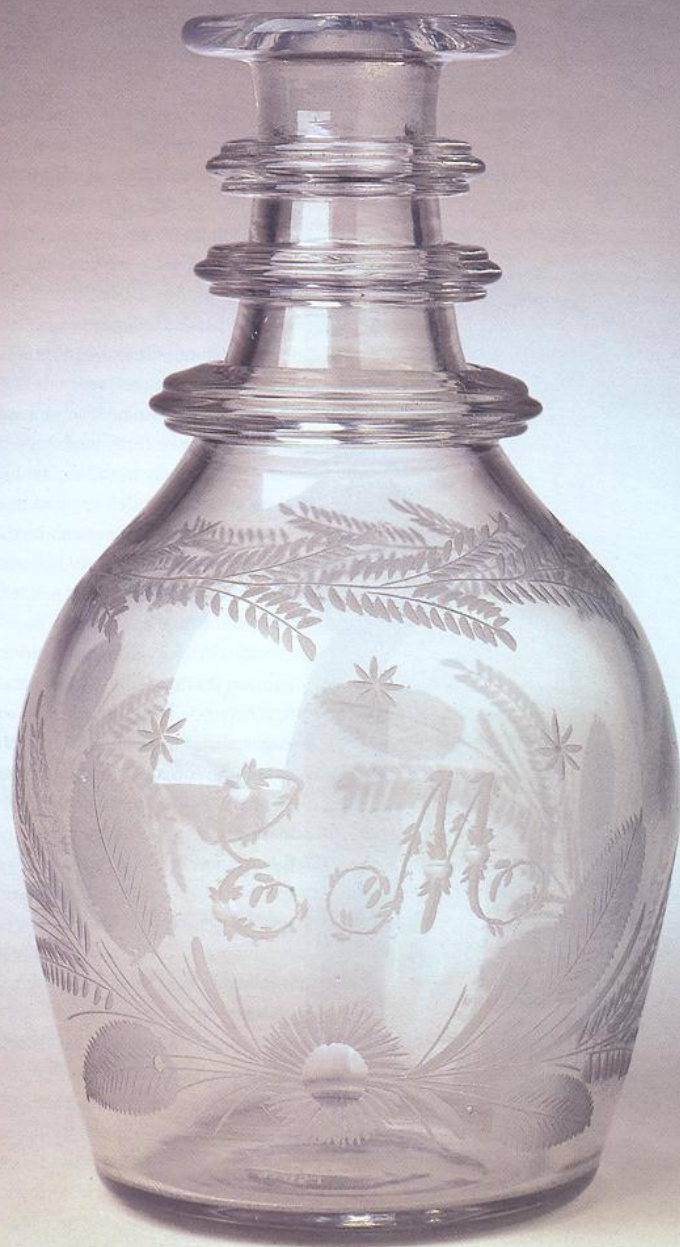






Glass for U.S. Presidents







Glass Factories in the Pittsburgh Region

1837

All Along the Rivers

By 1837, there were 28 glass factories in Western Pennsylvania. Fifteen factories were located within the city of Pittsburgh and another 13 were situated to the south and east in Washington and Fayette counties. All were linked by river to raw material sources and to markets near and far. Even at this early date, a wide range of items was produced, including window glass, bottles, lamps, scientific glassware, and tableware.



By Chance or By Choice



Innovations
in
Production

Pressing Technology







McKEE & BROTHER,
FLINT GLASS
MANUFACTURERS,
PITTSBURGH,
PA.



Tulip Sweetmeat & Gel.



Tulip Salt



Harp Nappie



Pint Ring Dec.



Rose Melasses



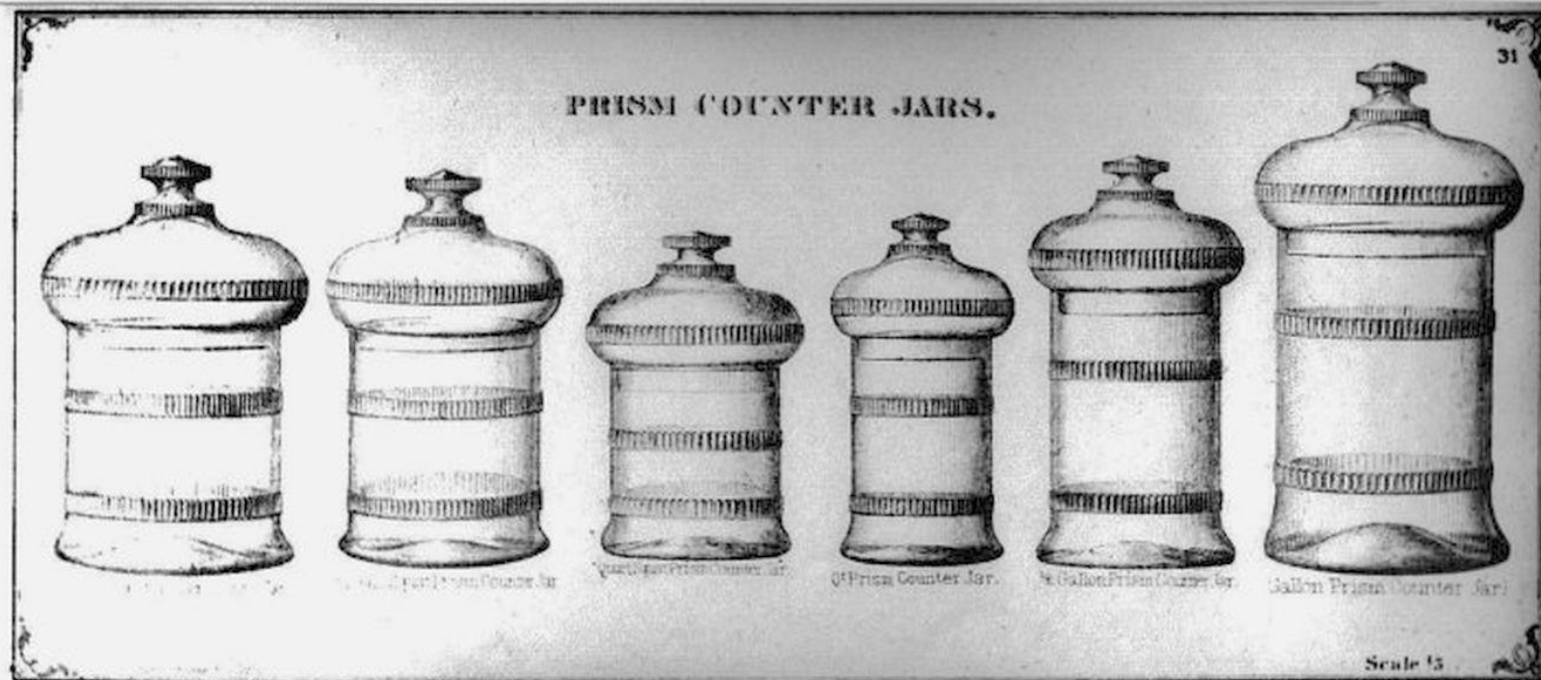
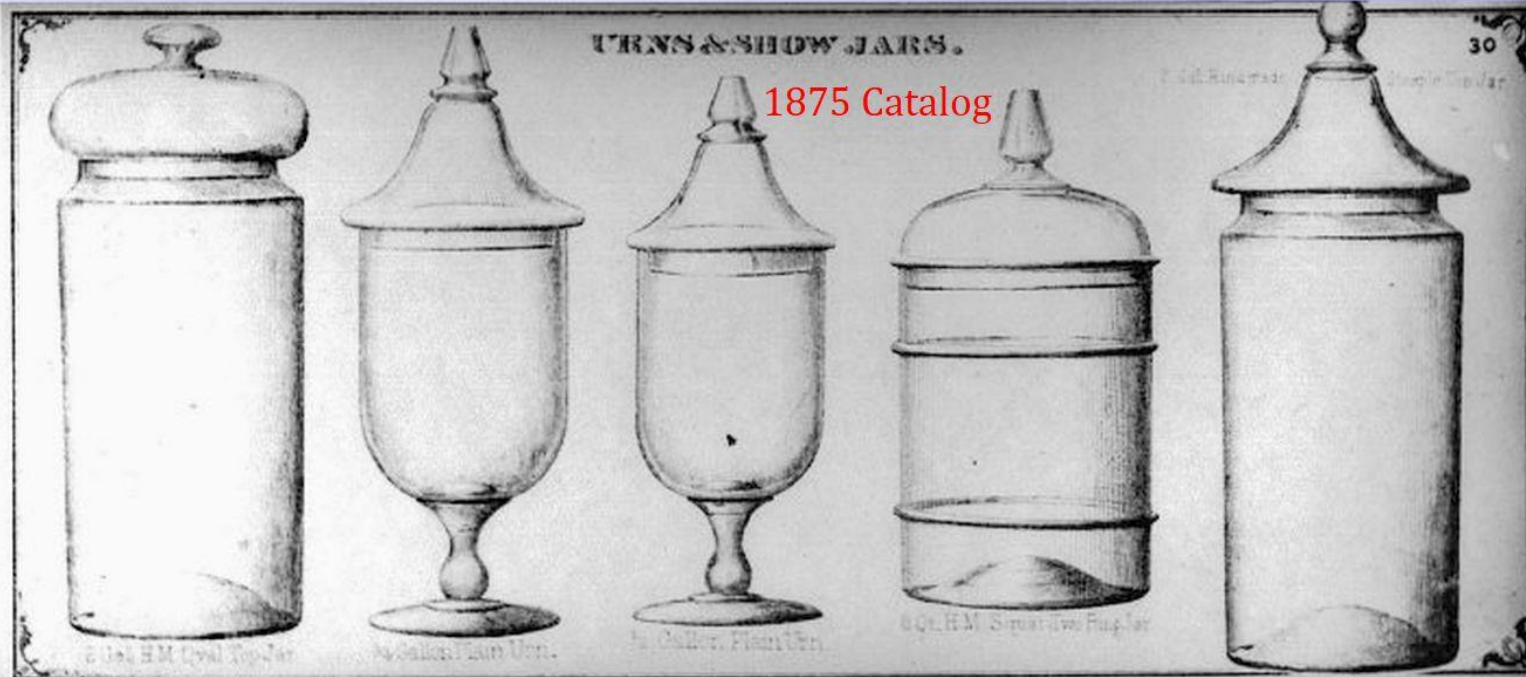
Dolphin Candlestick



Qt. Plain Dec.



Qt. Ring Dec.





One Pattern, Many Forms



Variety and Choice



The Extraordinary Inspires the Everyday







284



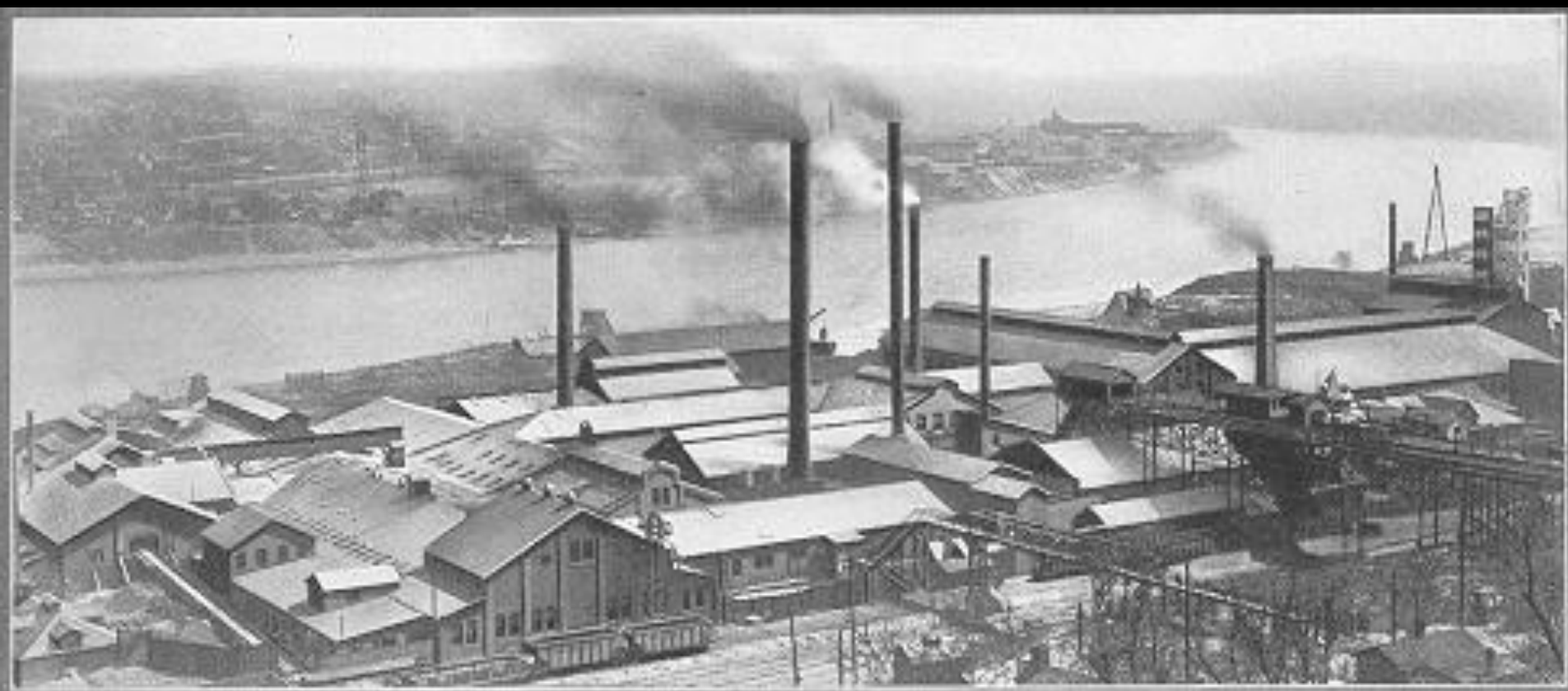
285



Glasshouses All Around





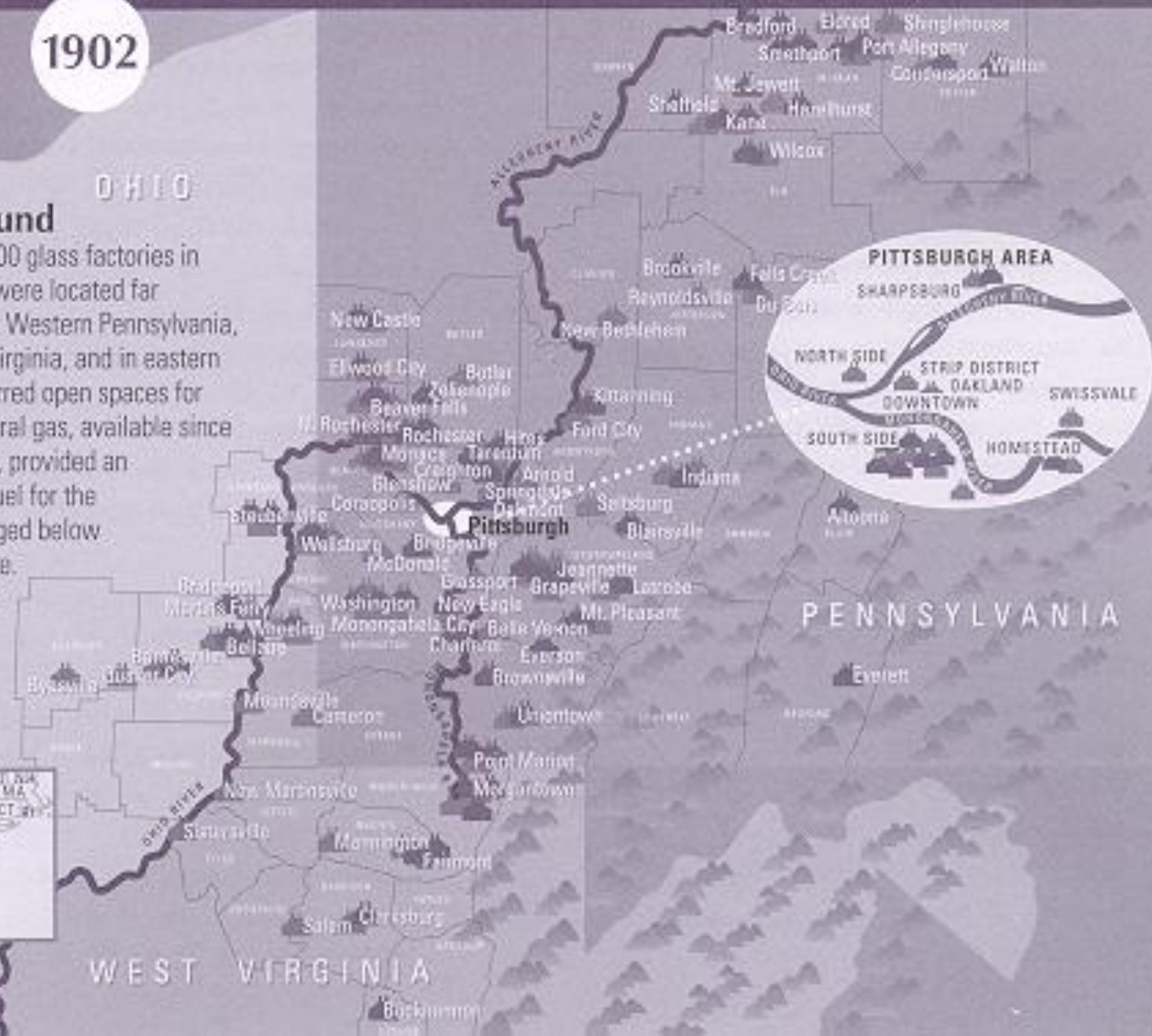


Glass Factories in the Tri-State Region

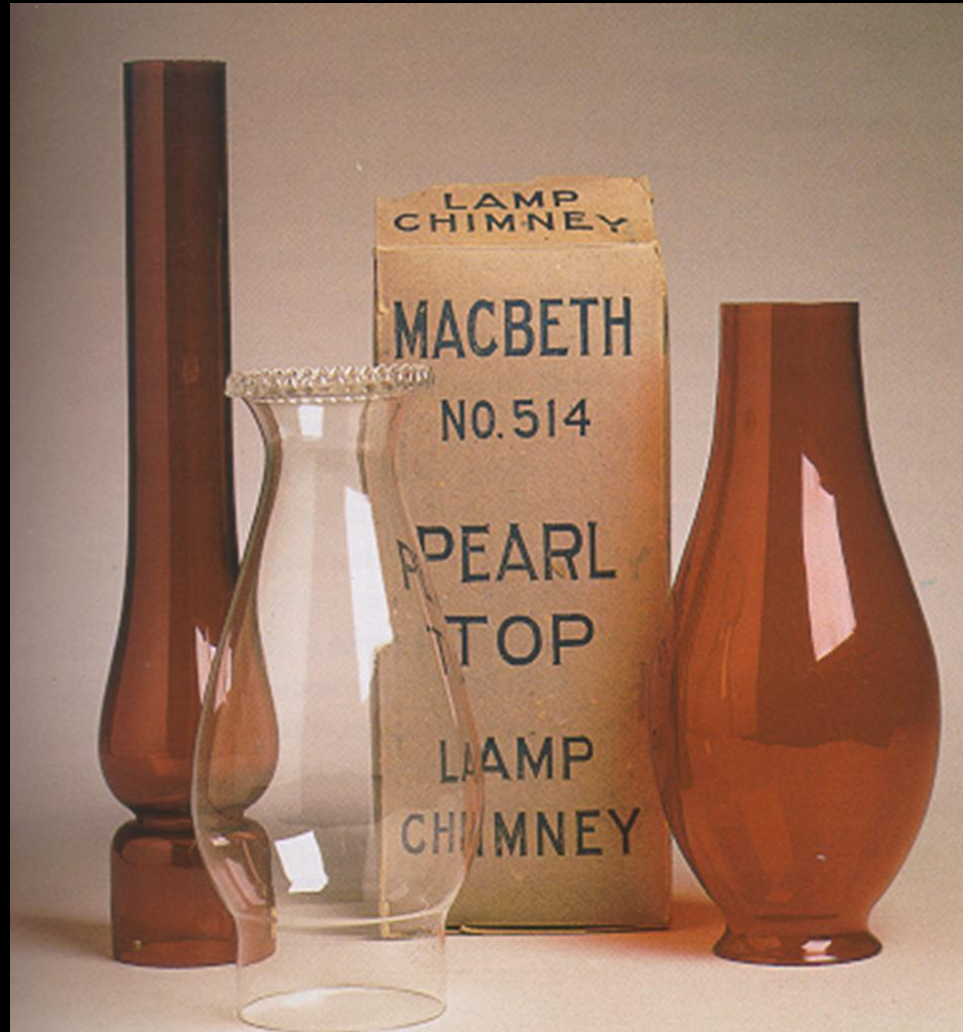
1902

Factories All Around

By 1902, there were over 100 glass factories in the region. Most factories were located far beyond the city: throughout Western Pennsylvania, in the panhandle of West Virginia, and in eastern Ohio. Factory owners preferred open spaces for building larger plants. Natural gas, available since the 1880s in outlying areas, provided an affordable, clean-burning fuel for the industry. Wherever gas surged below ground, factories rose above. The spreading tentacles of the railroad also freed glass factories from their dependence on the river system.



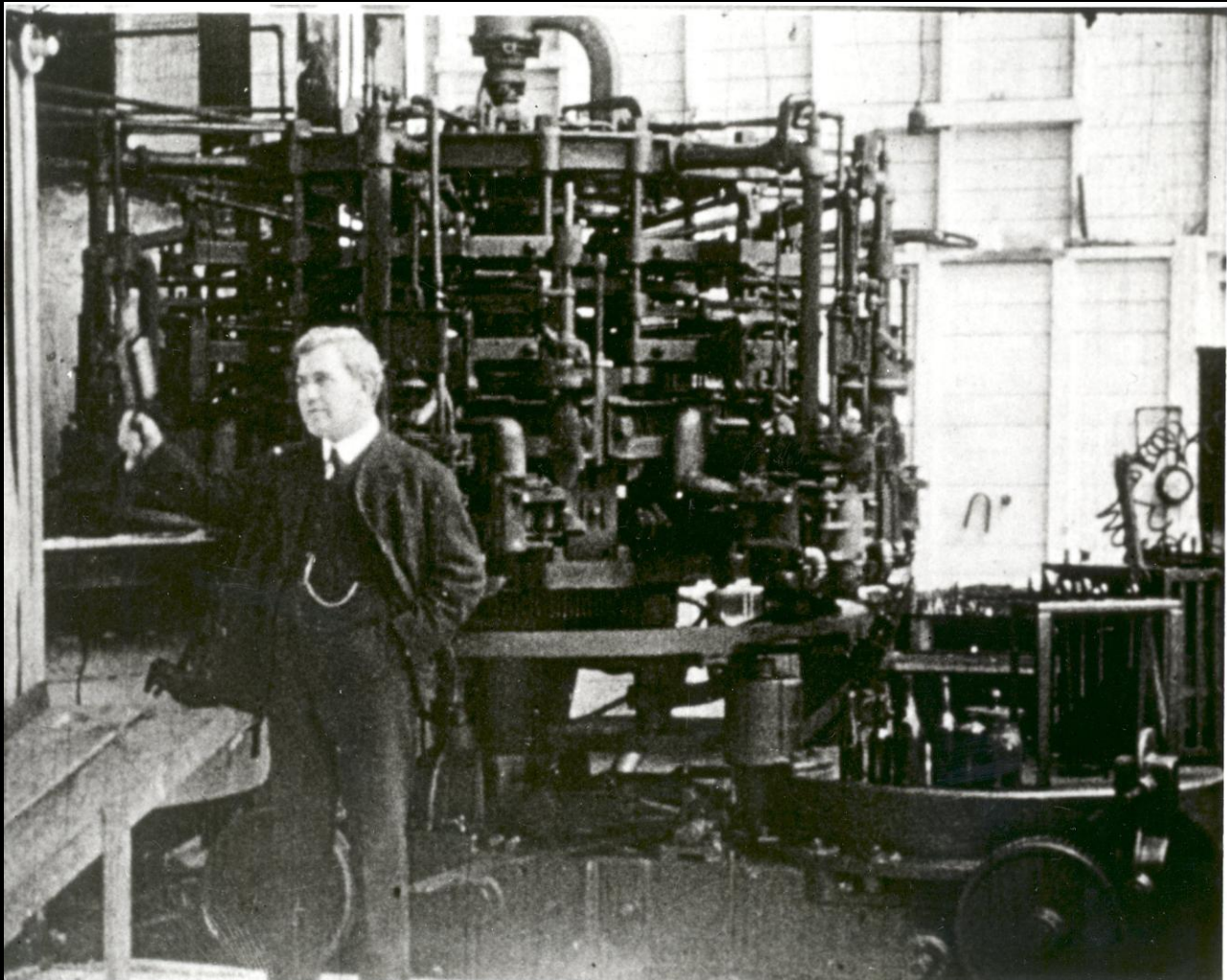
The Rise of Automated Production





Pittsburg, Pa., Blowing Bottles in Glass Factory.

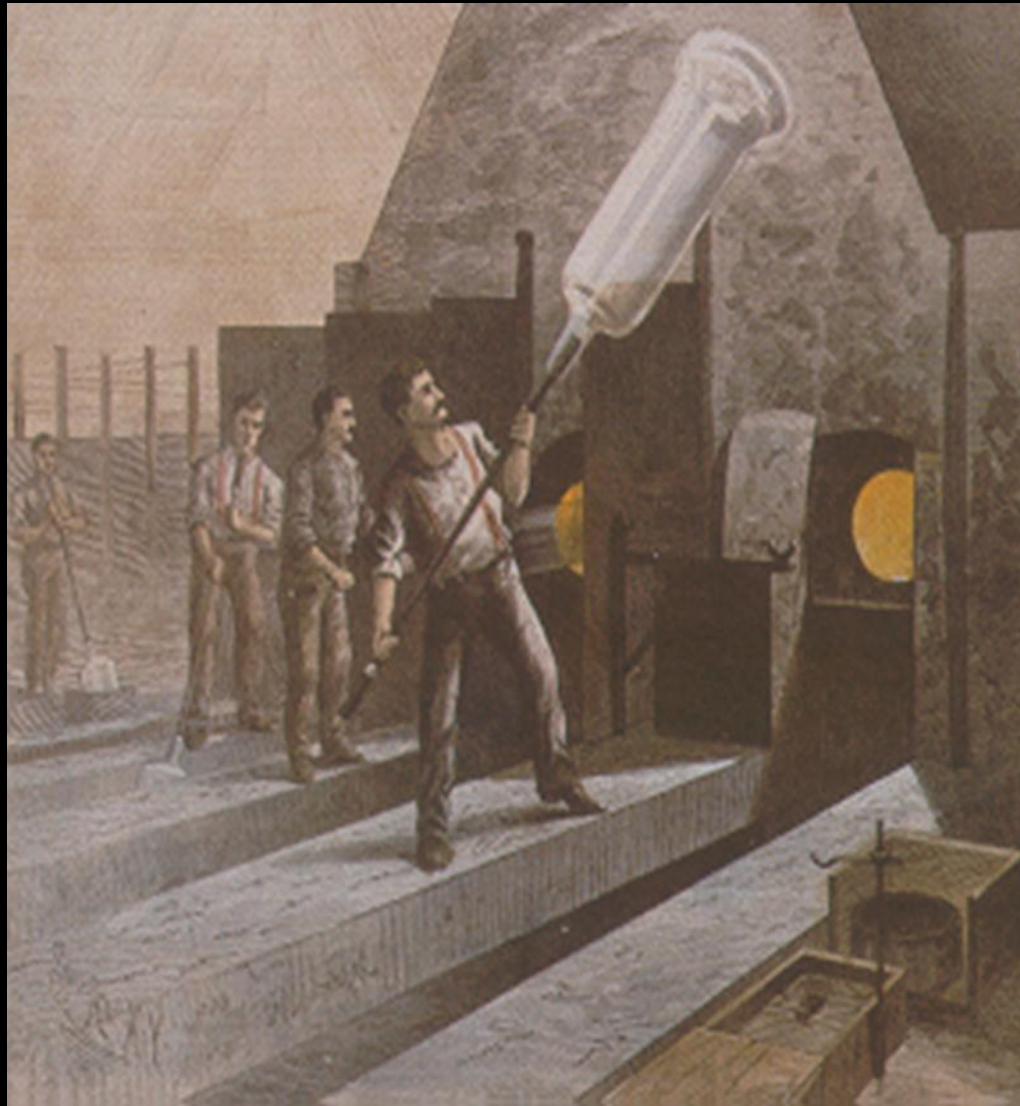
Automated Bottle Blowing Machines

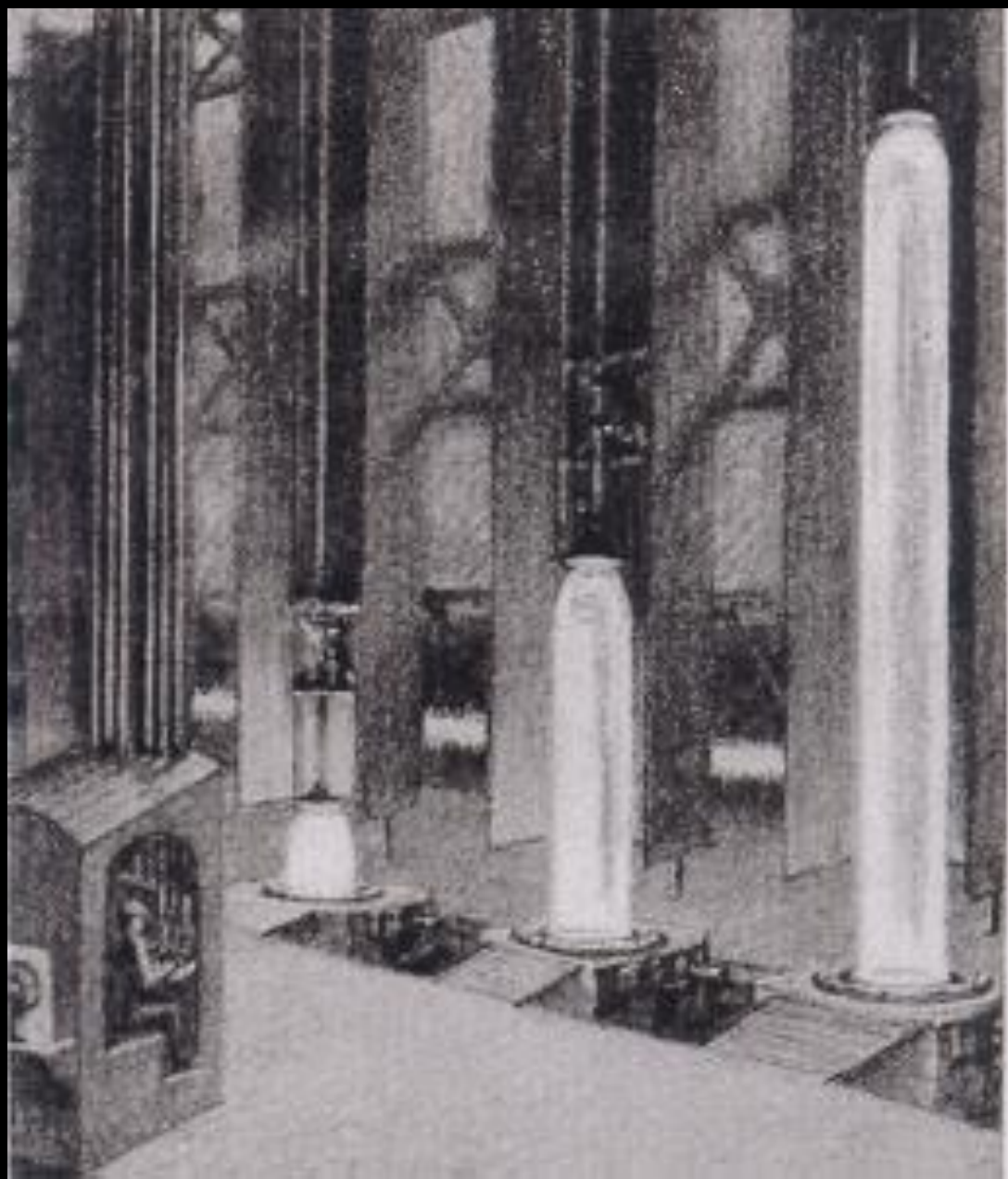






Automation in Flat Glass





Tableware Production





Innovations
In Design







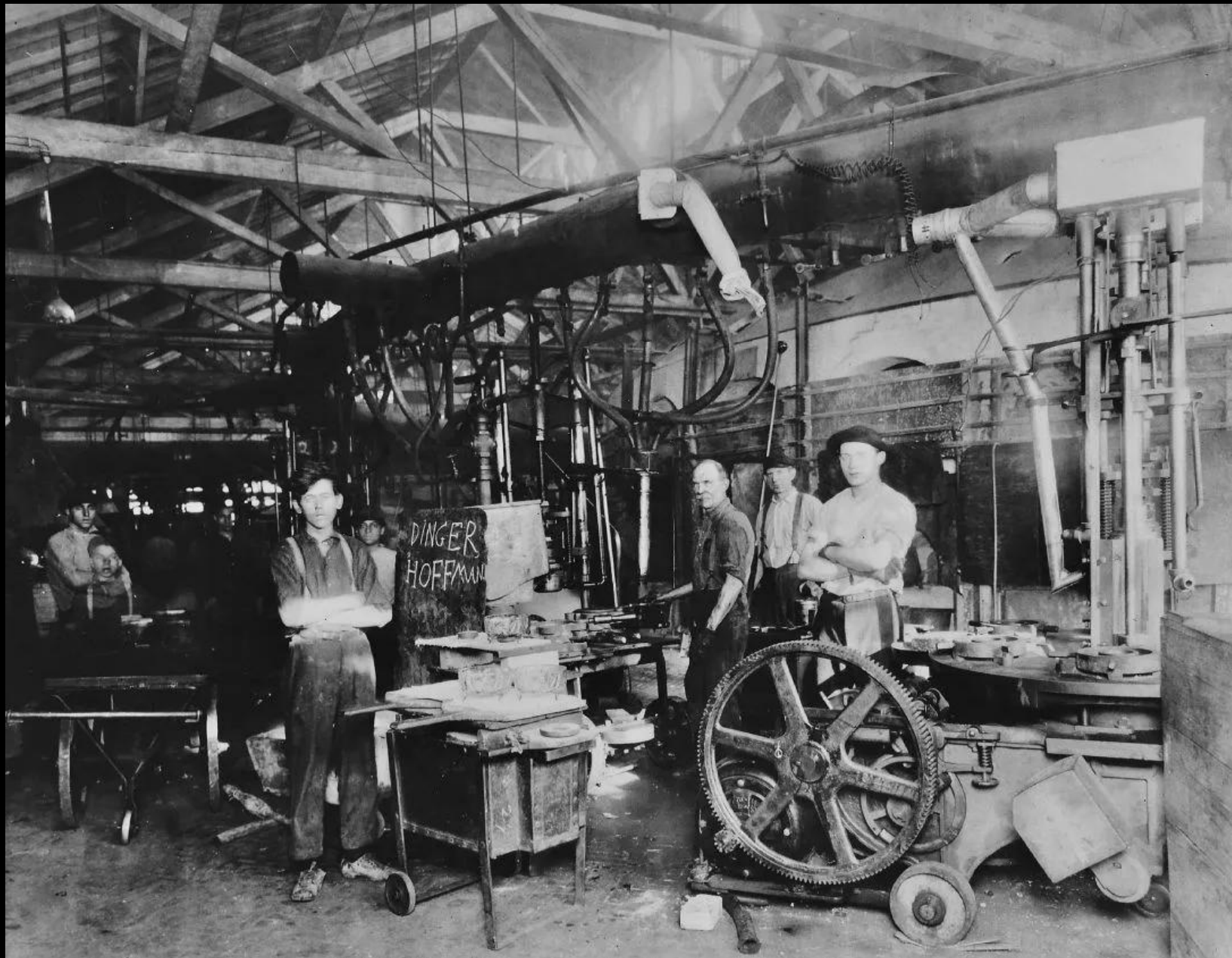


*Marketplace for
the Nation*

Fort Pitt Hotel
Pittsburg, Pa.
11110



*What happened
to the Industry?*





Beer cans will never be the same again



SNAP! IT'S OPEN!

...another new development from Alcoa

A can that almost opens itself. The opener? Attached to the can top. And, the top's made of light, strong, friendly-to-flavor Alcoa® Aluminum. Beer in this great new can is available now in many geographical areas. It will be available soon to every brewer who wants to offer this new opening convenience. This is just one of the many new packaging ideas for foods, beverages, drugs and household products coming to you these days from Alcoa.

What next from Alcoa!



ALCOA













THANK YOU!

