

Welcome!

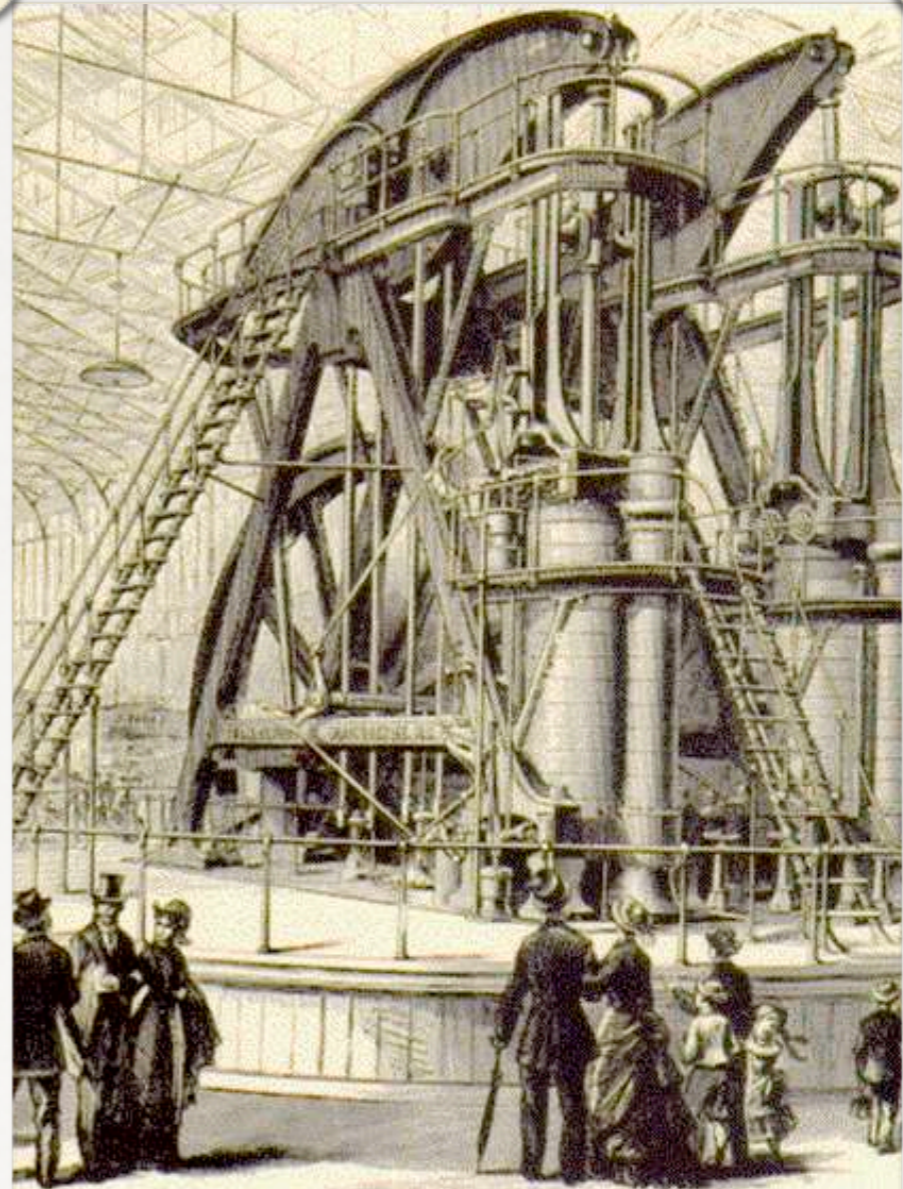
Lecture 14:
The Dynamo

Unit 3: Facing Freedom's Boundaries

Lecture 14: *The Dynamo*



Centennial Exposition
1876



Corliss Steam Engine

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HAUPT AUSSTELLG GEB.

EDIFICIO PRINCIPAL

PALAIS DE L'INDUSTRIE

MAIN BUILDING

FREE L
PHI OF

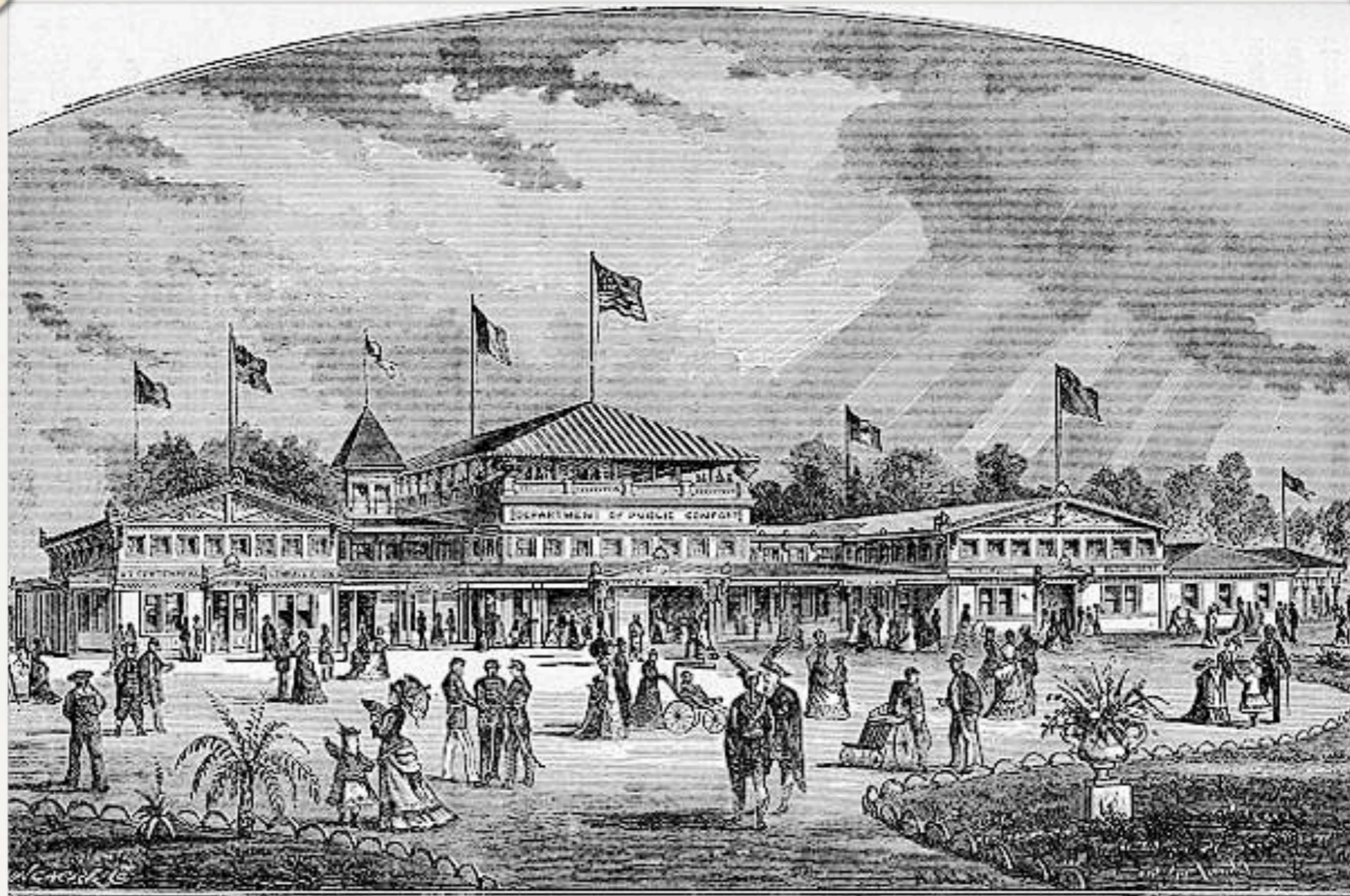
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BUILDING OF THE DEPARTMENT OF PUBLIC COMFORT.

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L. Zwickler, B. F. ...
Zentrum des Haupt-Industrie-Gebäudes im Januar 1876.

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MASCHINEN HALLE.

EDIFICIO DE MAQUINARIAS.

GALERIE DES MACHINES.

MACHINERY HALL

PHILADELPHIA

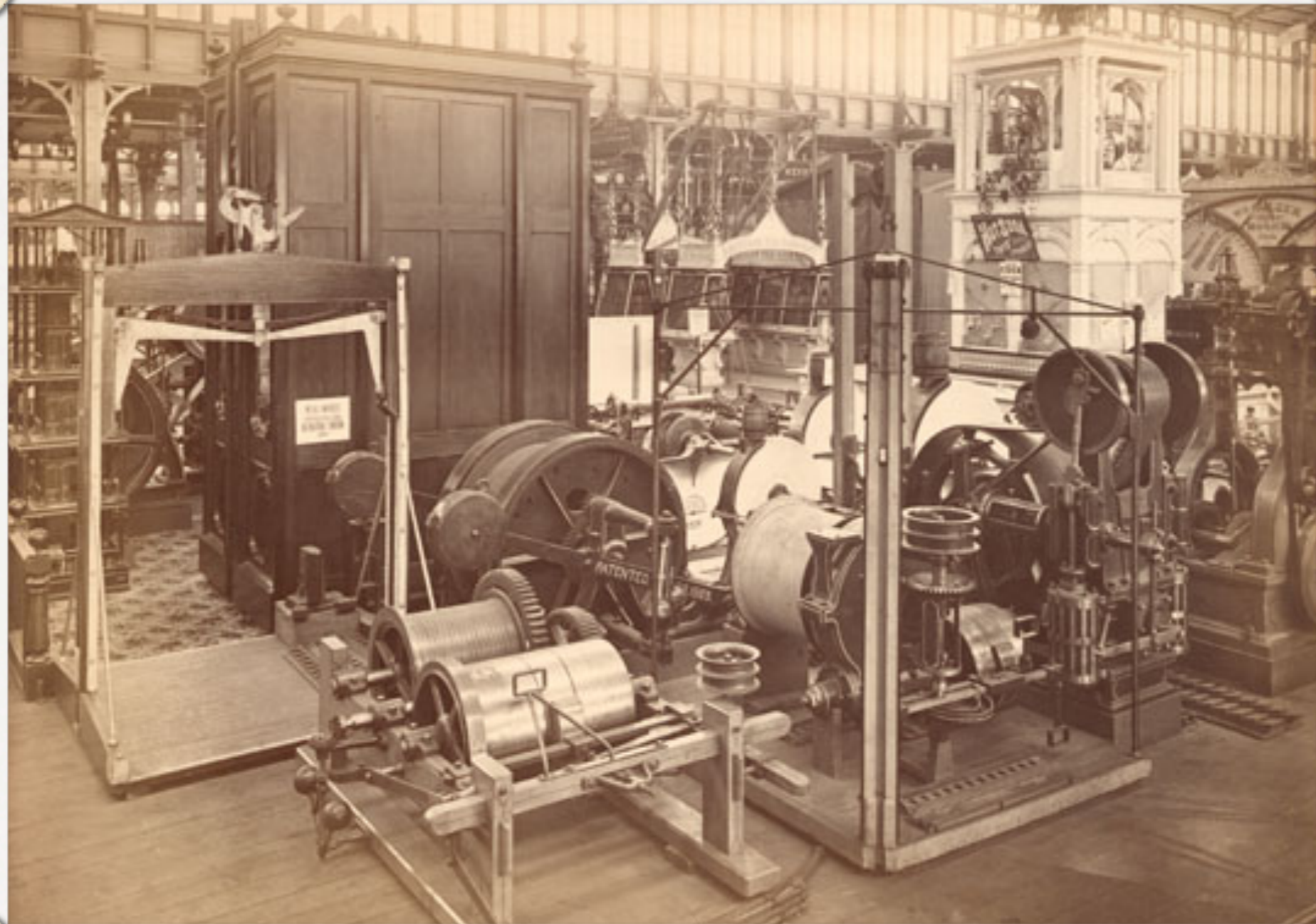
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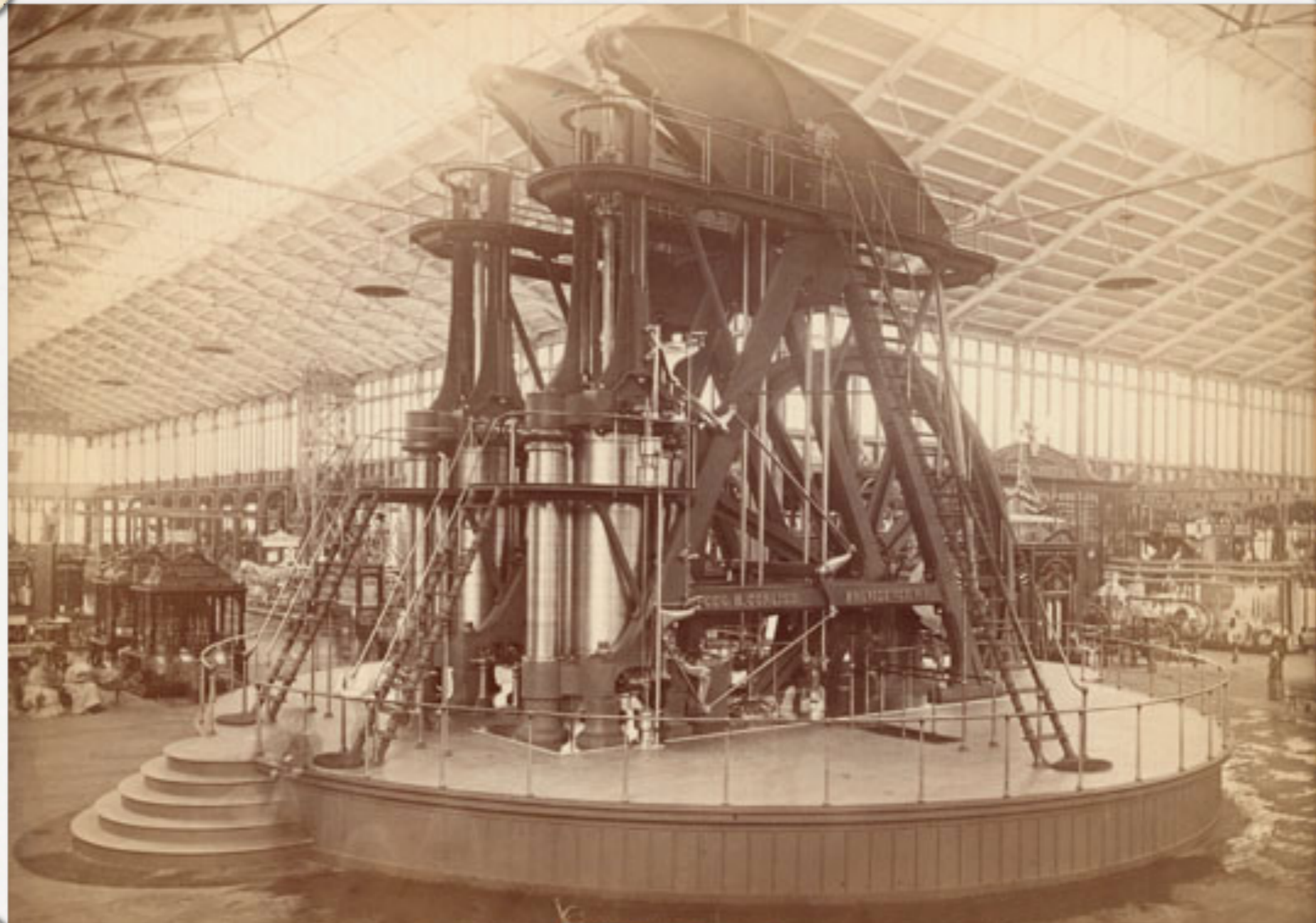
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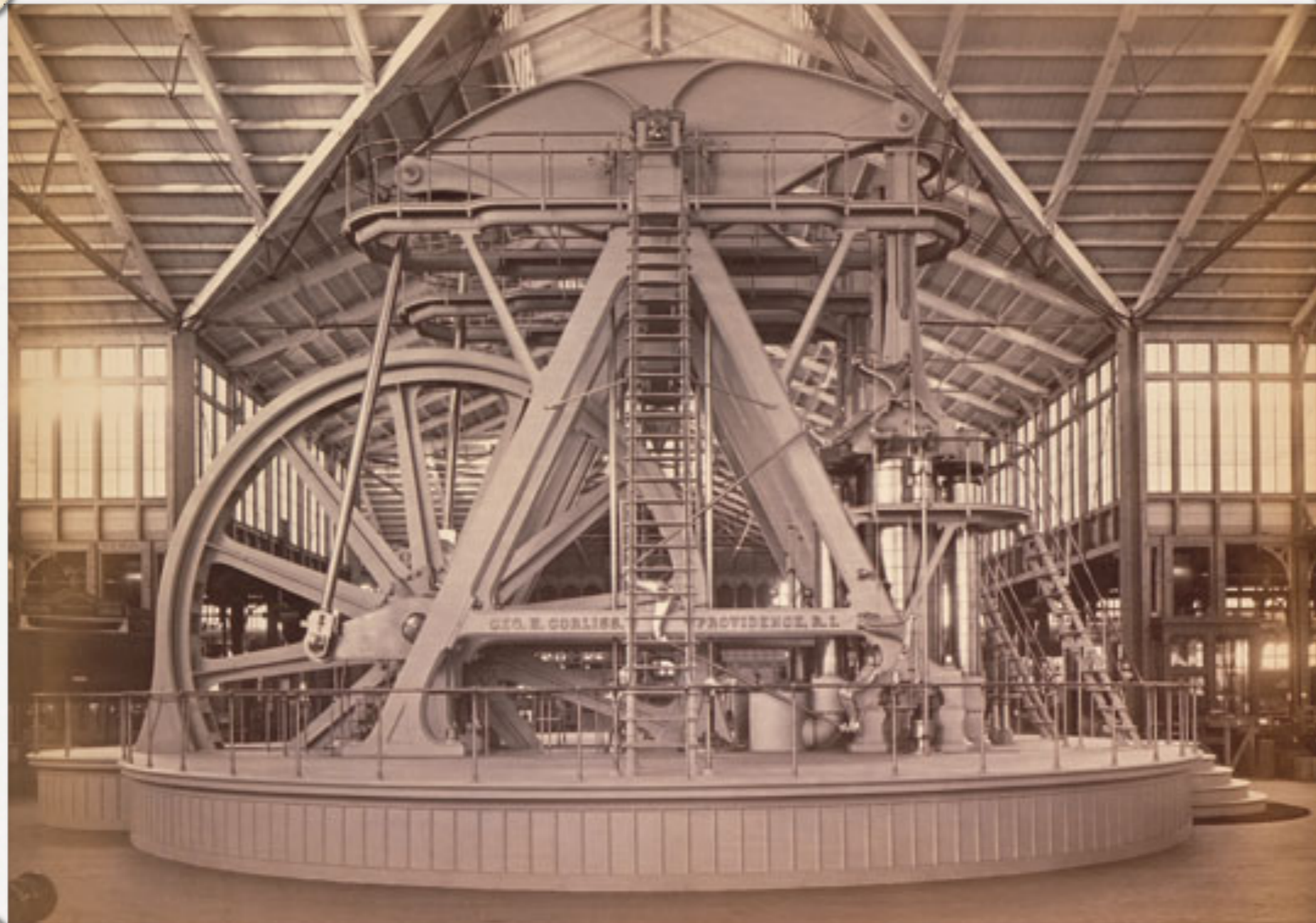
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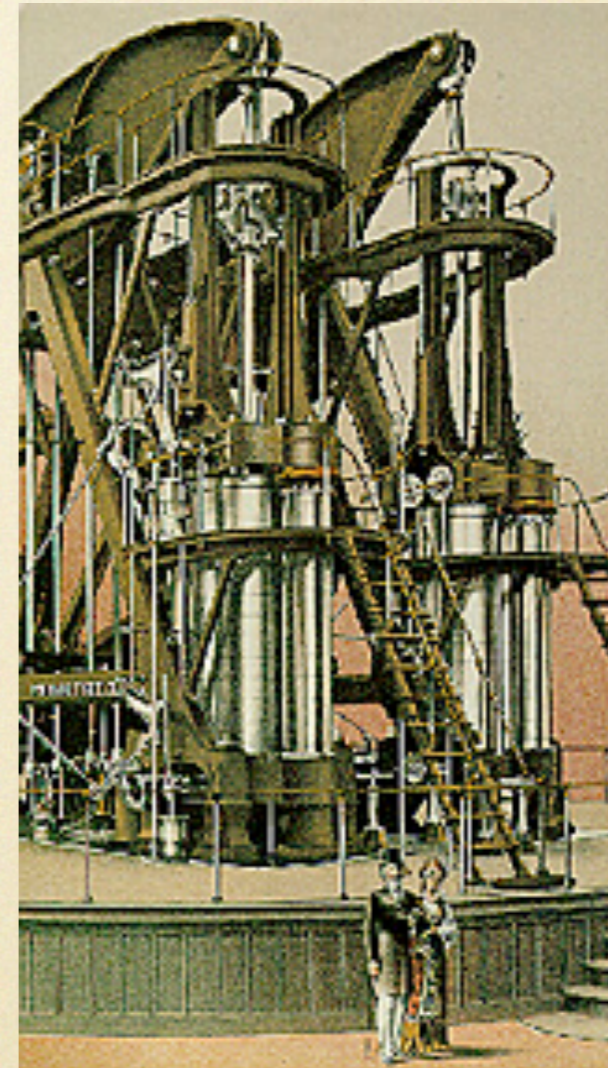


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Online exhibit by
Philadelphia Free Library



<http://libwww.library.phila.gov/CenCol/index.htm>

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Economic Growth in the Gilded Age

- Agricultural sector
- Industrial sector

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Economic Growth in the Gilded Age (con't)

- Agricultural sector
 - ▶ more land brought into production
 - ▶ new farms in California and Midwest
 - ▶ farming became more productive
 - ▶ better environment in new areas
 - ▶ technology

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Economic Growth in the Gilded Age (con't)

- Agricultural sector
 - ▶ increased productivity in the South due to more land not technology
 - ▶ increased productivity meant declining prices

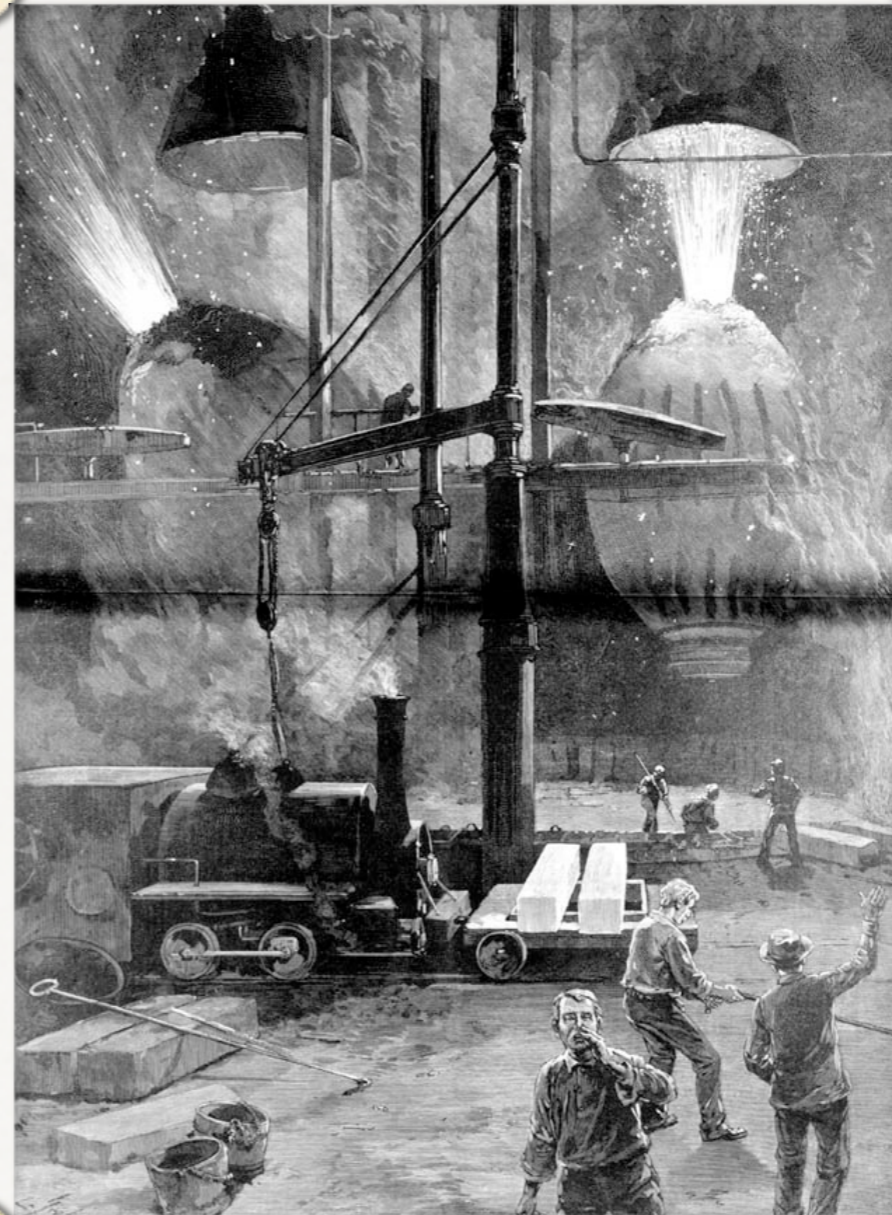
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Economic Growth in the Gilded Age (con't)

Industrial Sector



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Factors that stimulated industrialization

- Innovations in industrial materials and sources of power
 - ▶ steel
 - ▶ coal
 - ▶ oil
 - ▶ electricity
 - ▶ steam turbine combined with electricity

Bessemer process



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Factors that stimulated industrialization (con't)

- Innovations in business forms and practices
 - ▶ big business
 - corporations
 - vertical integration
 - ▶ mass production
 - dedicated machines
 - scientific management
 - continuous production
 - ▶ marketing
 - advertising
 - department stores

national products for national markets by national businesses

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Consequences of industrialization

- Economic volatility