

FIGURE 4.—Whessoe Woodall-Duckham Tubular-type Electro-detarrer.

P-1248

1-P-1872

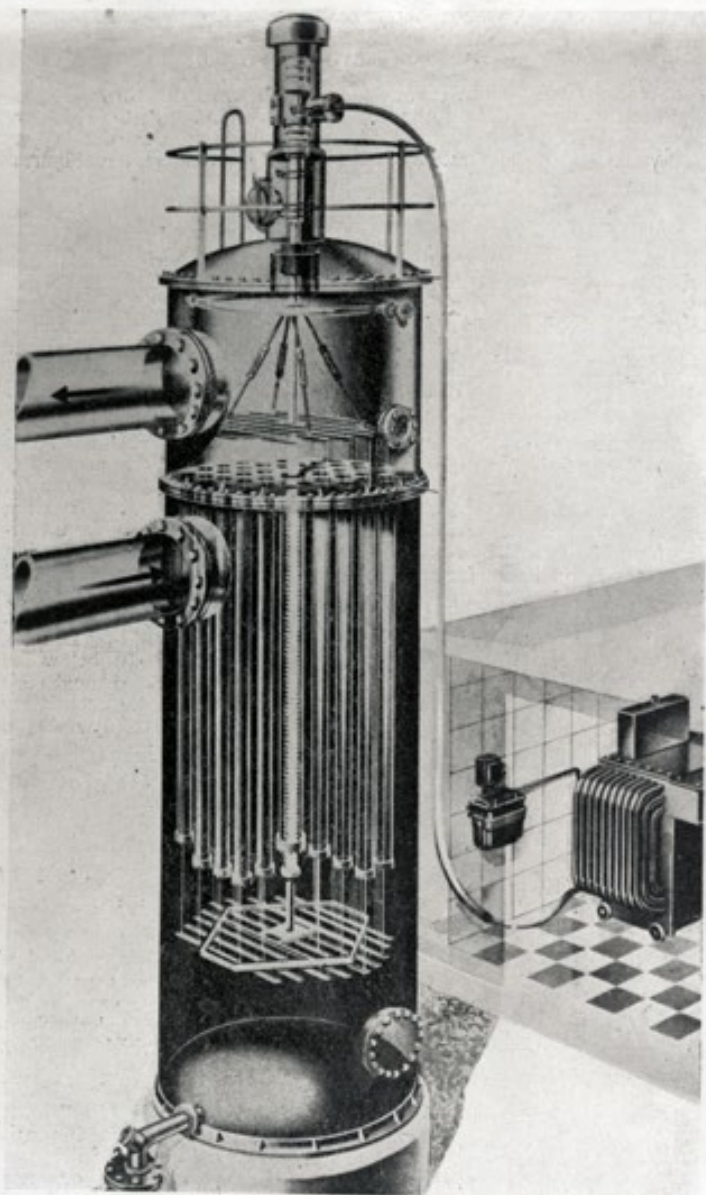


FIGURE 5.—*Photograph Showing Isometric Impression of Internal Construction of Whessoe Woodall-Duckham Tubular-type Electro-Detarrier.*

P-1349

1-6-1925

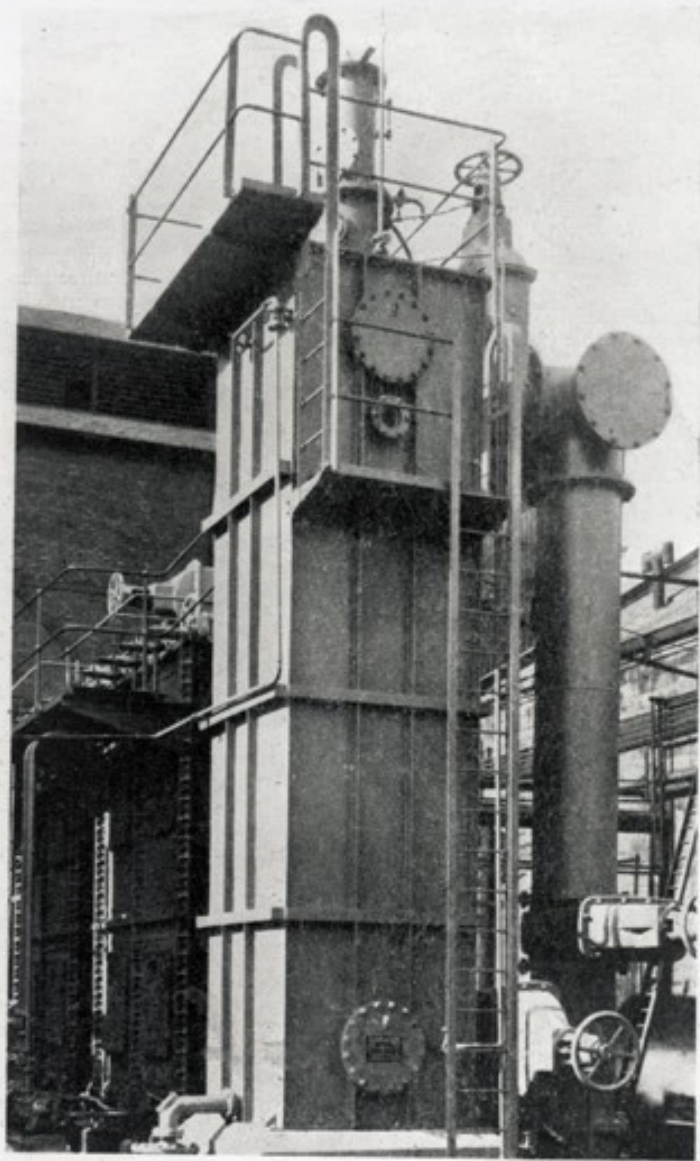


FIGURE 7.—Whessoe Woodall-Duckham Plate-type Electro-Detarrer.

88-1-1825 B-1321

1-6-1825

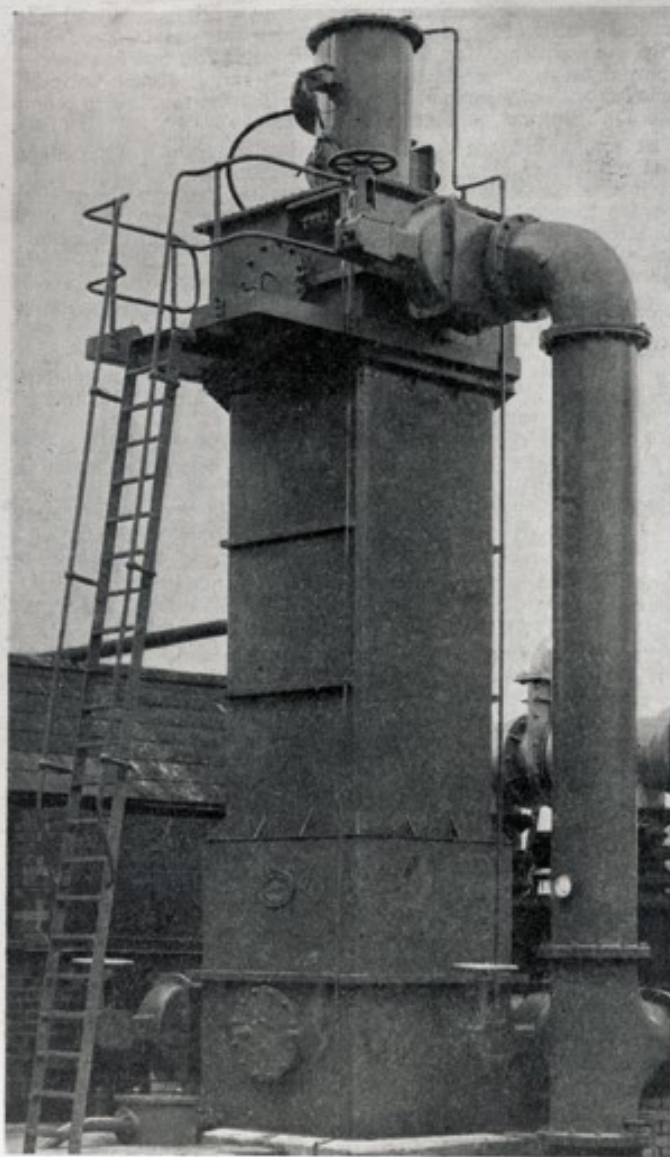


FIGURE 8.—*Simon-Carves Plate-type Electro-detarrer. (By courtesy of the makers.)*

B-1328
1-2-1928

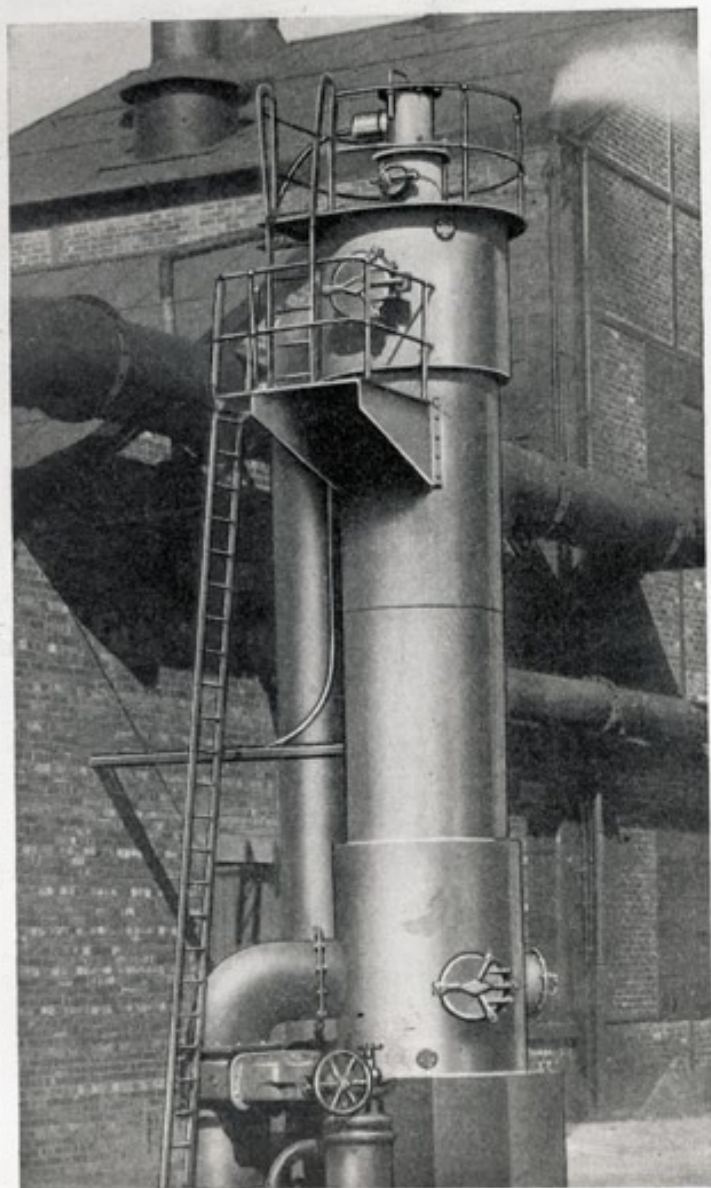


FIGURE 9.—Holmes-Elex Plate-type Electro-detarrer. (By courtesy of
the manufacturer.)

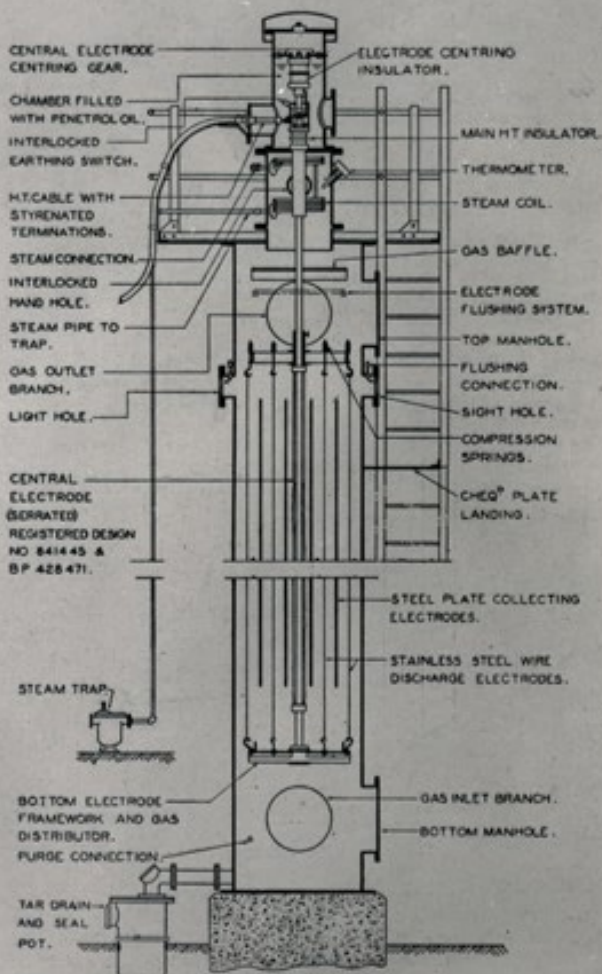


FIGURE 10.—Sectional Elevation Drawing of Whesoc Woodall-Duckham Plate-type Electro-detarrer.

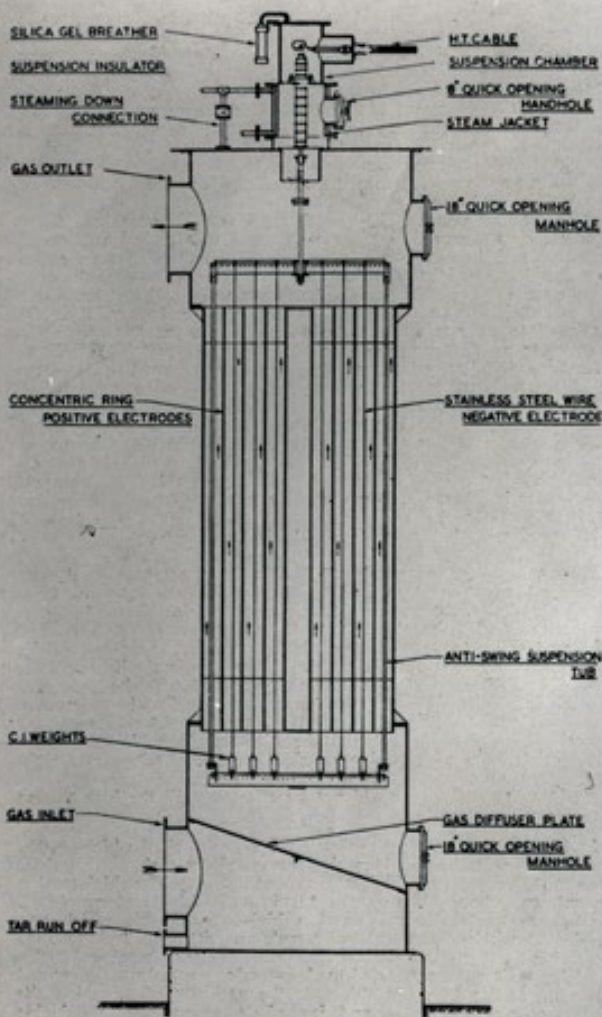


FIGURE 12.—Sectional Elevation Drawing of Holmes-Elex Plate-type Electro-detarrer. (By courtesy of the makers.)

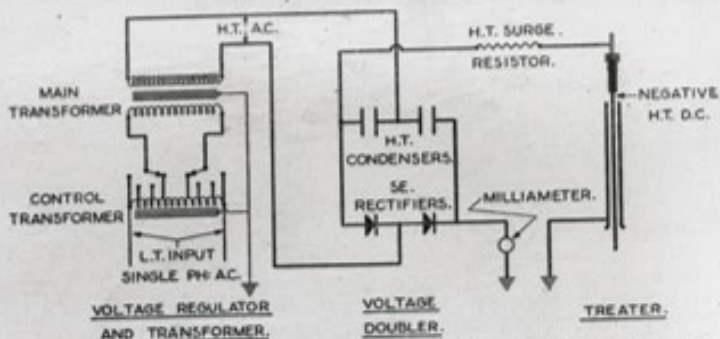


FIGURE 14.—The Single-phase Full-wave Voltage-doubler Circuit for Electro-detarrers.

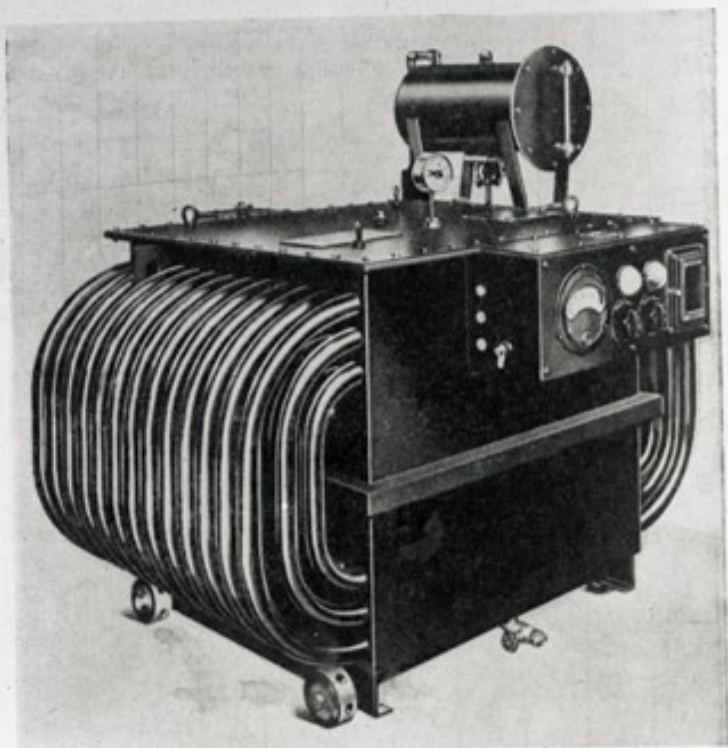


FIGURE 15.—Whessoe Woodall-Duckham/Standard Telephones and Cables High-tension Electrical Equipment.

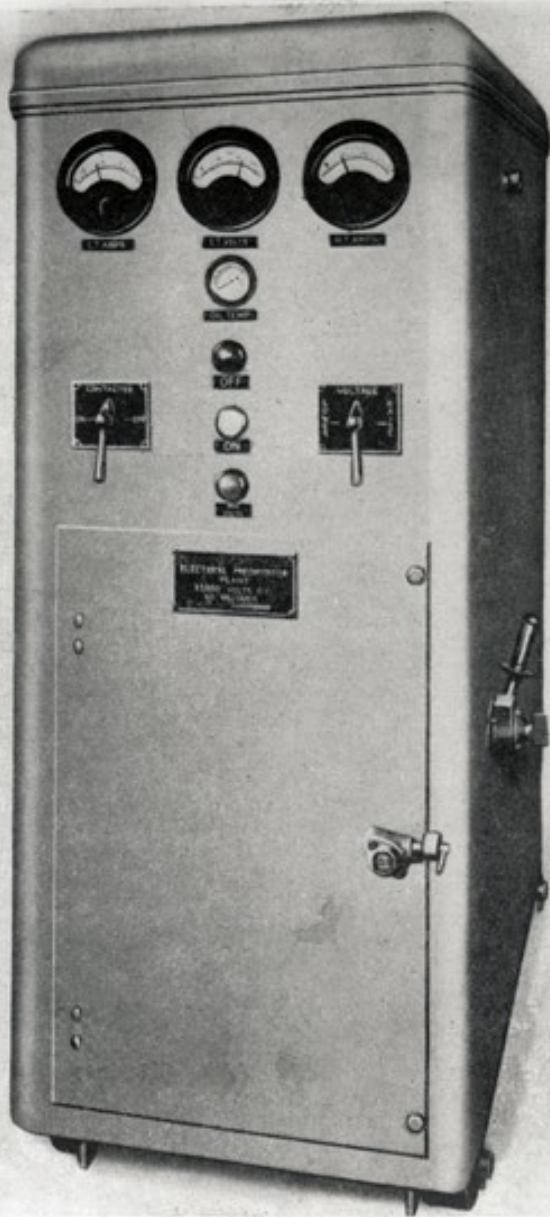


FIGURE 16. Simon-Carves/Ferranti High-tension Electrical Equip-

6-1328
1-9-1925

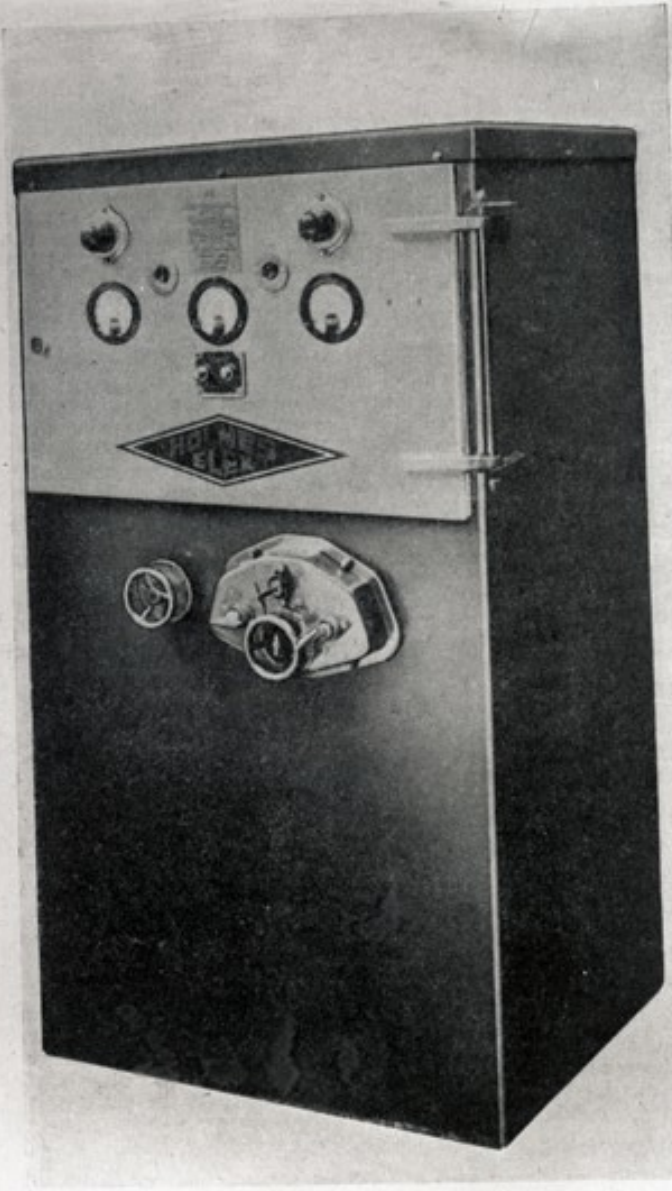


FIGURE 17.—W. C. Holmes Electric Construction Company High-tension Electrical Equipment. (By courtesy of the

9-1328

1-2-1885

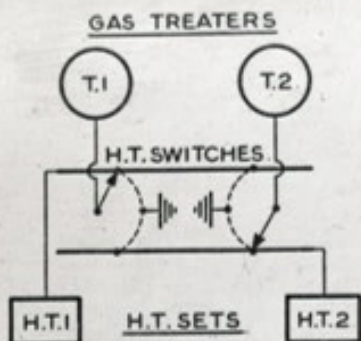


FIGURE 18.—Typical High-tension Switchgear Diagram showing Distribution of High-tension D.C. to Gas Treaters.

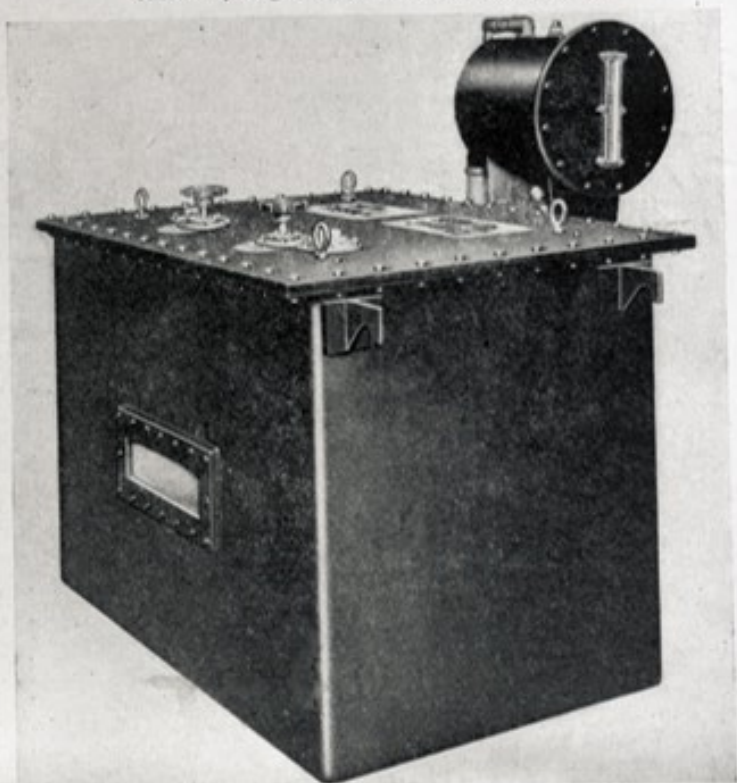


FIGURE 19.—Whessoe Woodall-Duckham-type High-tension Switchgear.

p-1290

1-9-1924



B-1391

9-2-1924

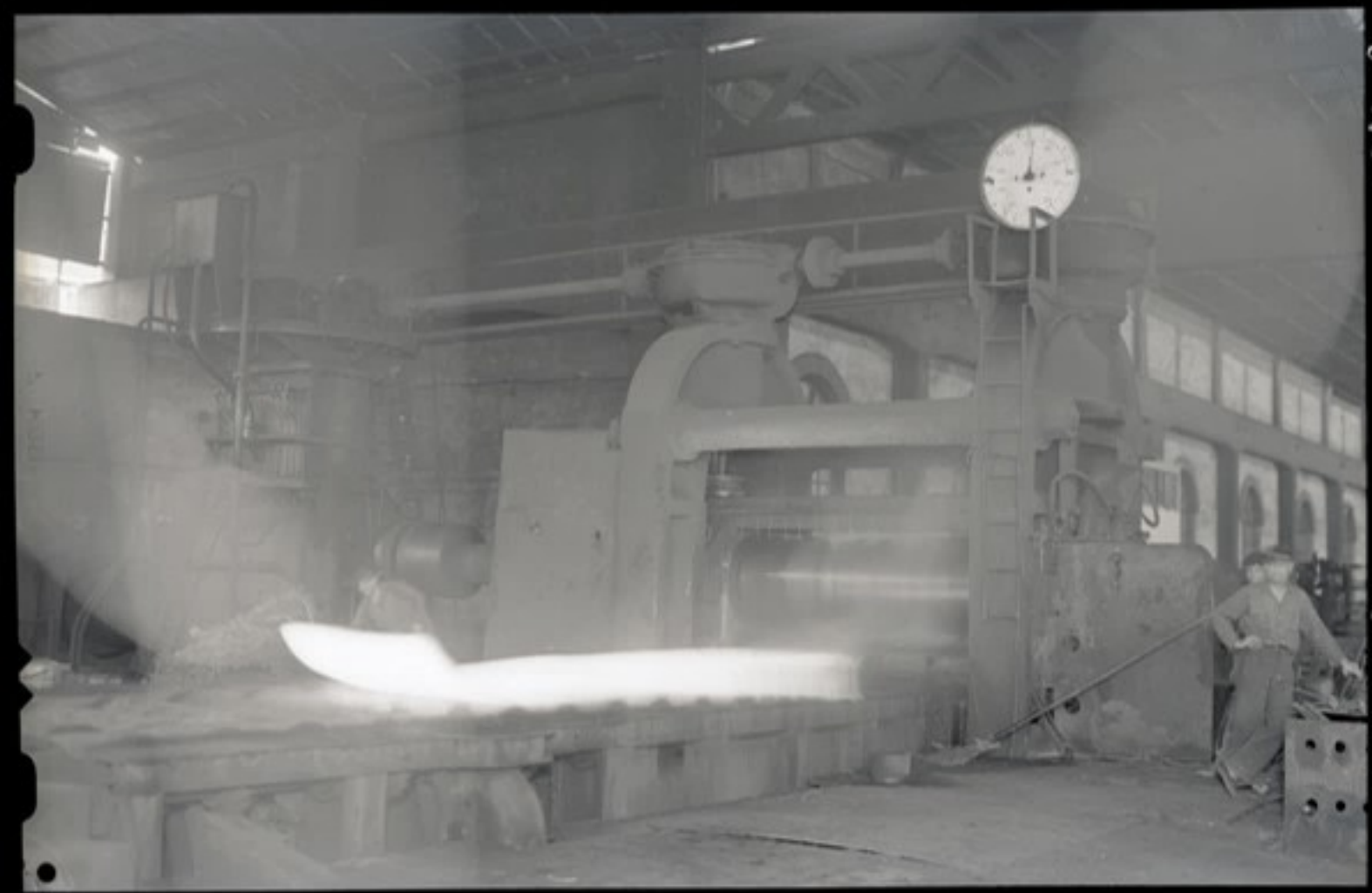
A



8-1312

8-1312







b-1395

15-2-41









b-139d

55-e-1824



6-1350

85-6-1824



8-1317

15-8-1924



5791-5-55

9-1335



FOR FAST HAULAGE over the 12 km between mine and port, Utah Construction Co. assembled this fleet of 27



Kenneth 60-ton bottom-dump tractor-trailers. Long experience with such equipment helped get Marcona moving fast.



Marcona—Four

FROM A VIRTUALLY uninhabited desert to a large-scale mining operation in less than four months—this is the record established in getting the Marcona iron mine in Peru into production.

In January 1953, the location of the mine in southern Peru was simply a desert waste. Fresh water had to be brought from 60 km away. The present surface site at San Juan Bay was totally undeveloped.

Despite the handicap of having to bring all the necessary equipment ashore in lighters, and of having to build housing for construction personnel, the mine is now in shape by May 7, 1953 to send the first shipment of ore north. By September 1953 an output of 8,000 tons of ore daily had been attained.

This speed record was the accomplishment of Utah Construction Co., which owns the property jointly with Cyprus Mines Corp. Allan D. Christensen of San Francisco is president and general manager of Marcona Mining Co. Henry T. Mould of Los Angeles is vice-president, Harlan A. Walker is resident general manager for Marcona in Peru.

Initial capital outlay for the project amounted \$6-million. The Export-Import Bank recently granted a loan of \$10-million for further mine development and 20-25 facilities.

The Marcona mine is about 60 km north of

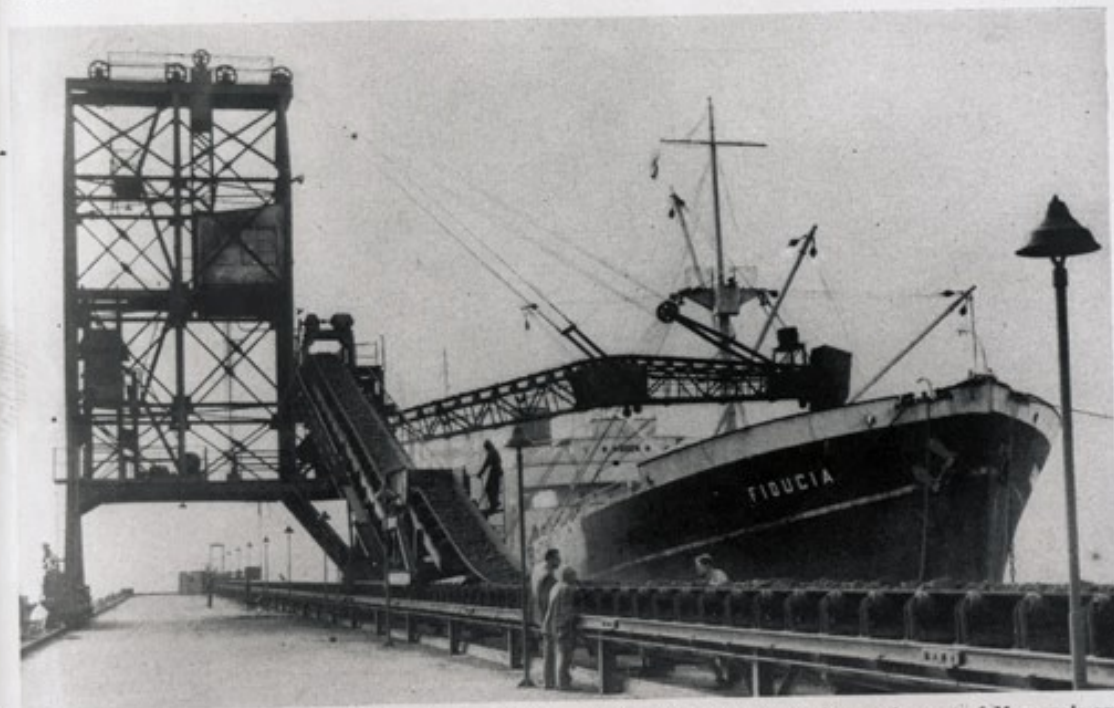
Months From Plan to Production



5-1357 58-P-1065

FROM PORT STOCKPILES, ore is drawn through a feeder operating in a reclaiming tunnel below stockpiles. A 48-in. conveyor in tunnel leads to transfer tower, connecting with conveyor going to ship-loading gantry.

Marcona's Dock—Smooth loading for the trip



GANTRY LOADER travels up and down docks, and by means of travelling tripper, loads ore at most convenient point. This shipload is going, as is most of Marcona's ore at present, to U. S. Steel's plants near the Atlantic coast.

Increasing quantities of magnetite ore met at greater depth.

Construction work at the mine

surfacing roads from mine to dock, building a dock at San Juan Bay consisting of 180 ft of rock fill

In addition there had to be built power plants, warehouses, repair shops, administration buildings,

HUGH
dynamic
dreamed

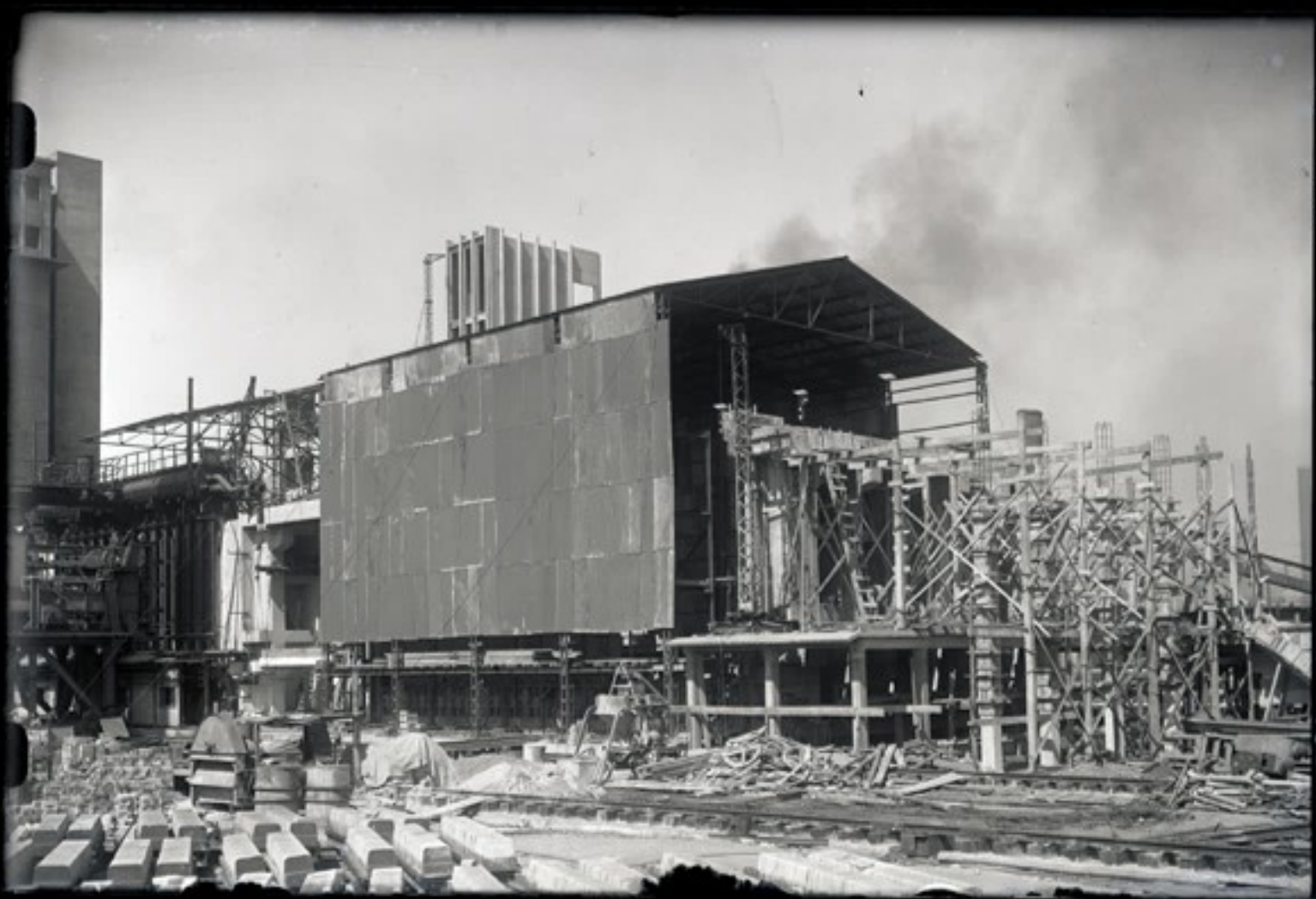
Pacific
7-mill
left in
with
benefit

THE STEEL
Co. is the
parent
rison, the
his post-
tent
Western
for ser-
ees in
period
his own
He had
vidual
age of



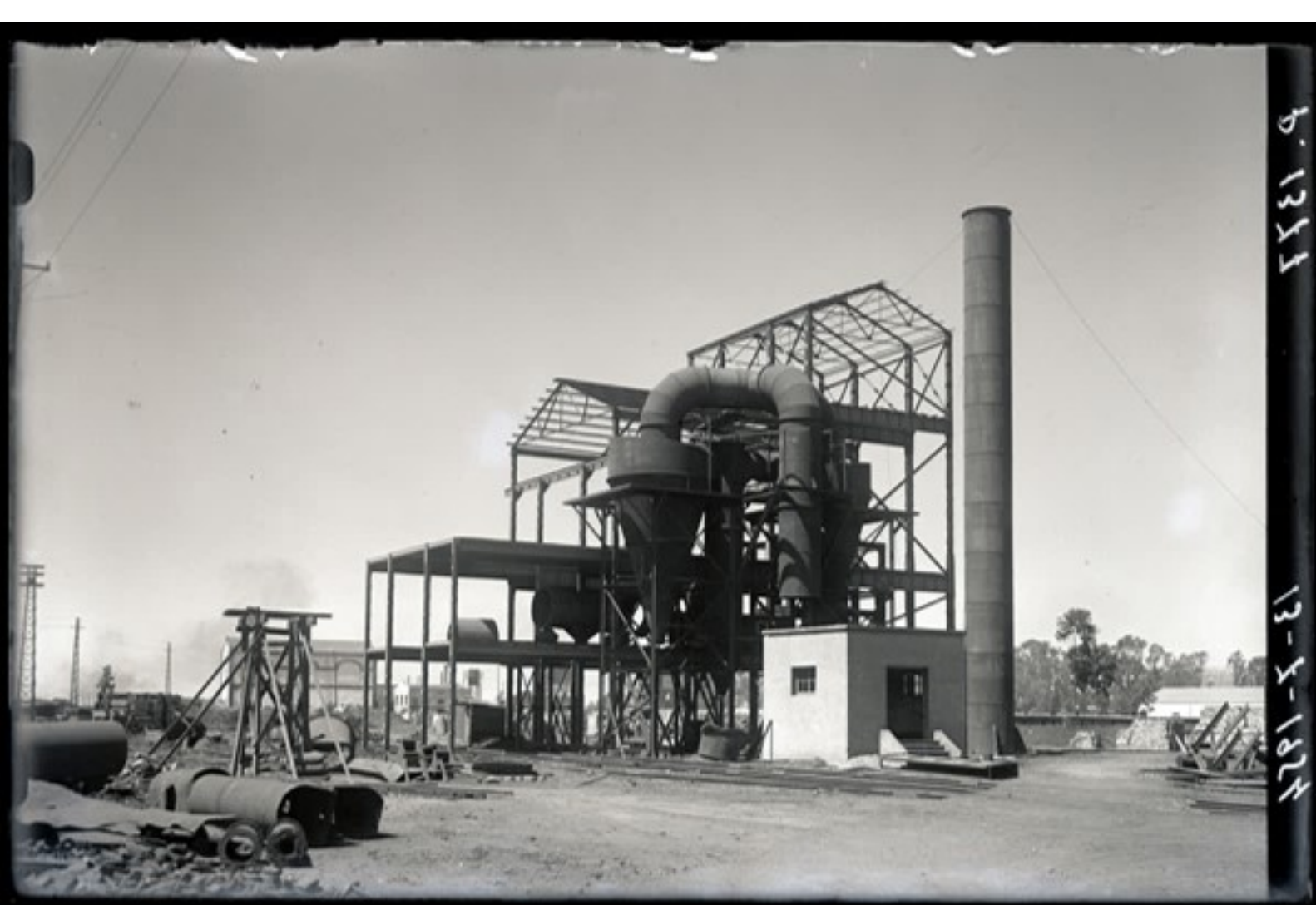
6-1322

13-5-1824



B 1325

13-2-1924



6-1355

13-5-1824



B-1358

13-5-1924





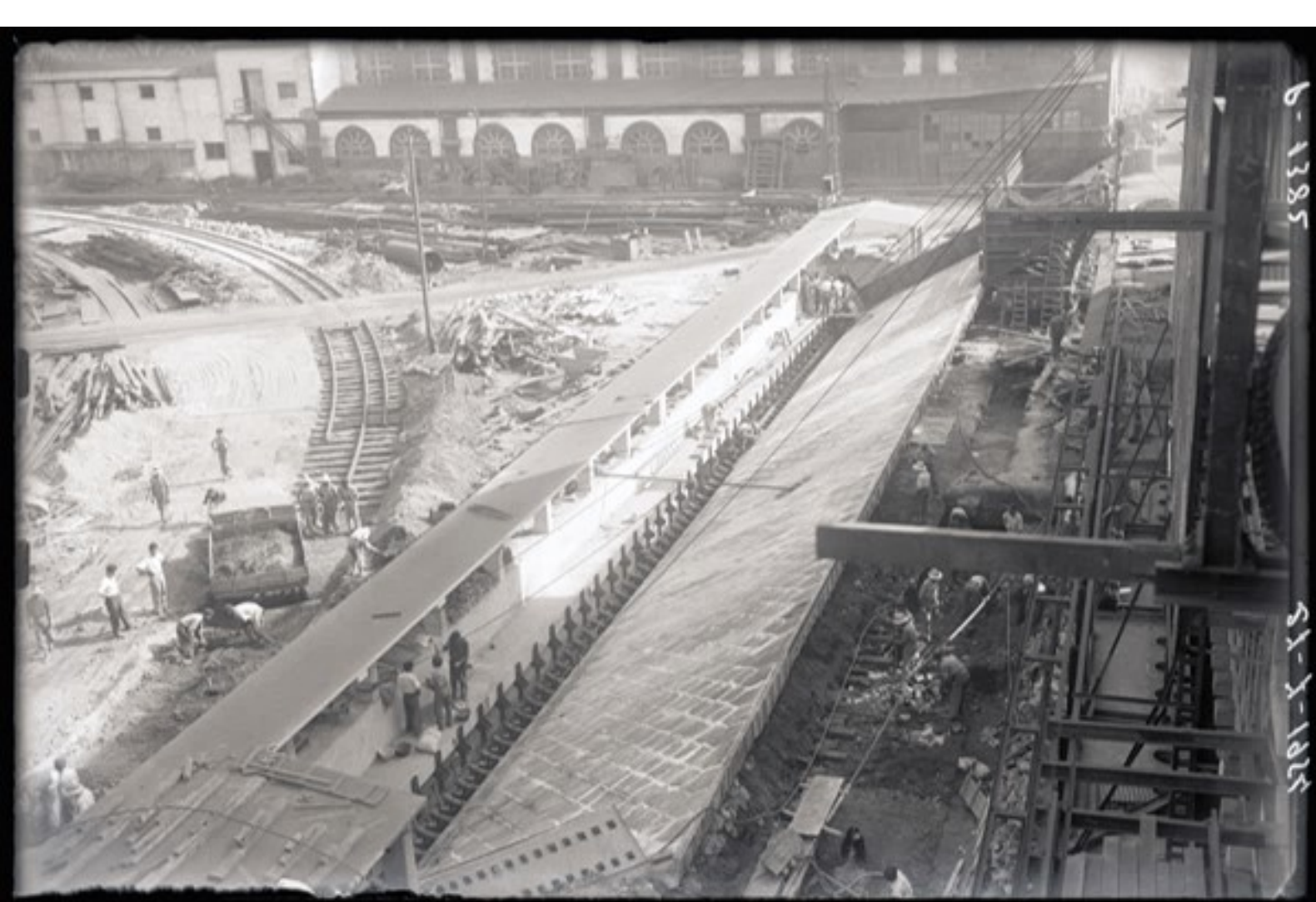
B-1380

SI-X-1921



b-1381

51-1-185



6-1385

81-1-1825



6-1383

ST-7-1924



8-1384

47-1-1824



B-1382

13-8-1875



b-138e

13-8-1924



55-9-1924

9-1387



6-1388

55-8-1824

+



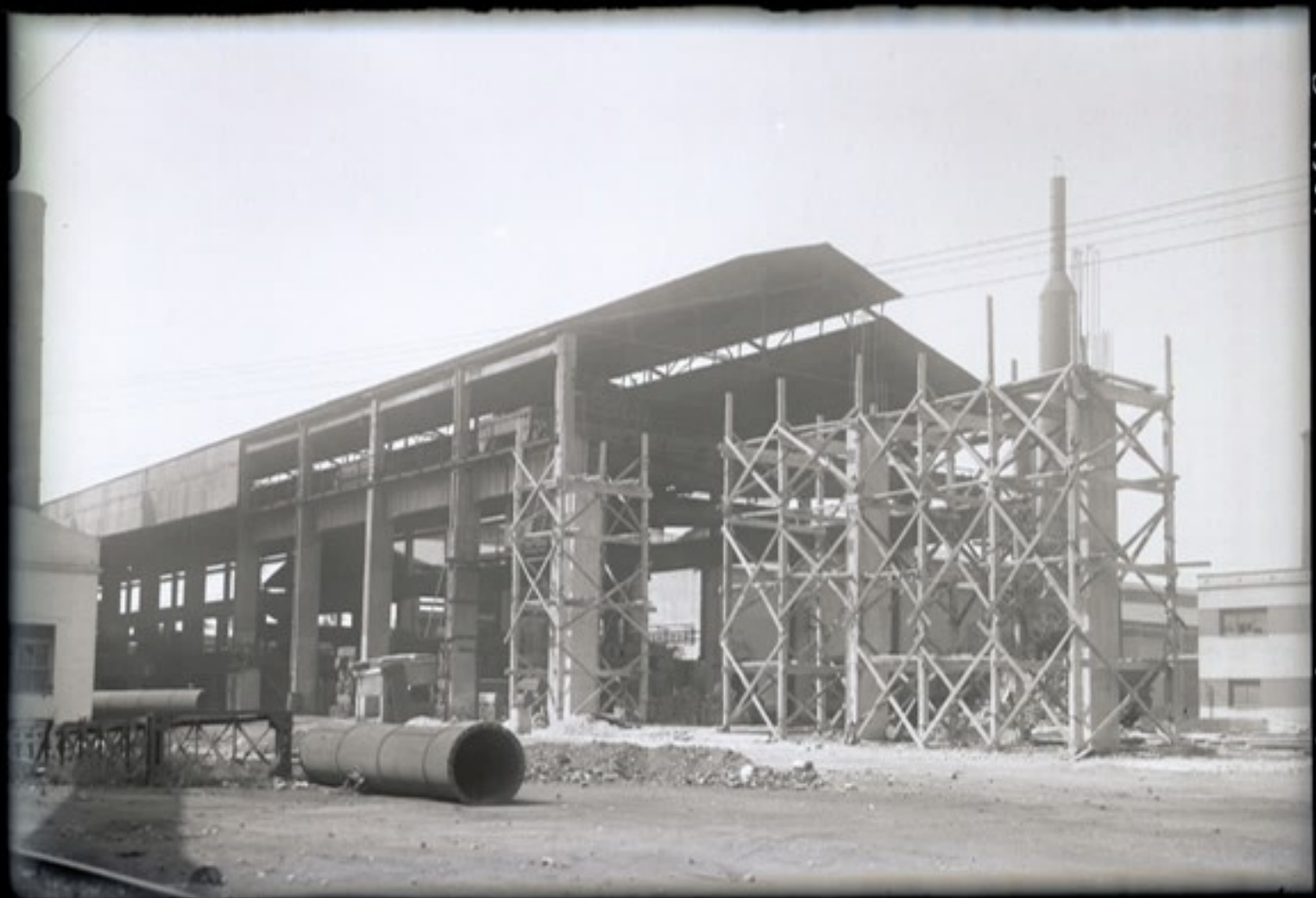
B-1388

SS-A-1917

6 1380

55-8-122





B-1381

ES-8-1825



8-1325

SS-9-1425



H-1383

SS-2-1915



B-1344

SS-4-1914



6-1342

58-8-1924

P-1396

28-9-1954





1271 - P - 13

1271 - 9



6-1328

58-2-121



6-1389

AS-4-1025

6-1700

58-8-1287

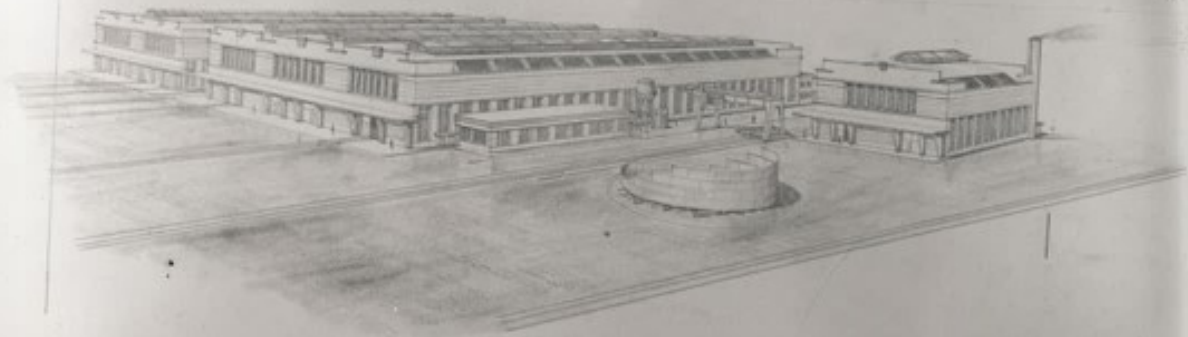






54-D-1965

9-1403



2-10-1921

9-1403



B-1404

1-10-1925



P-1501

5-10-1905



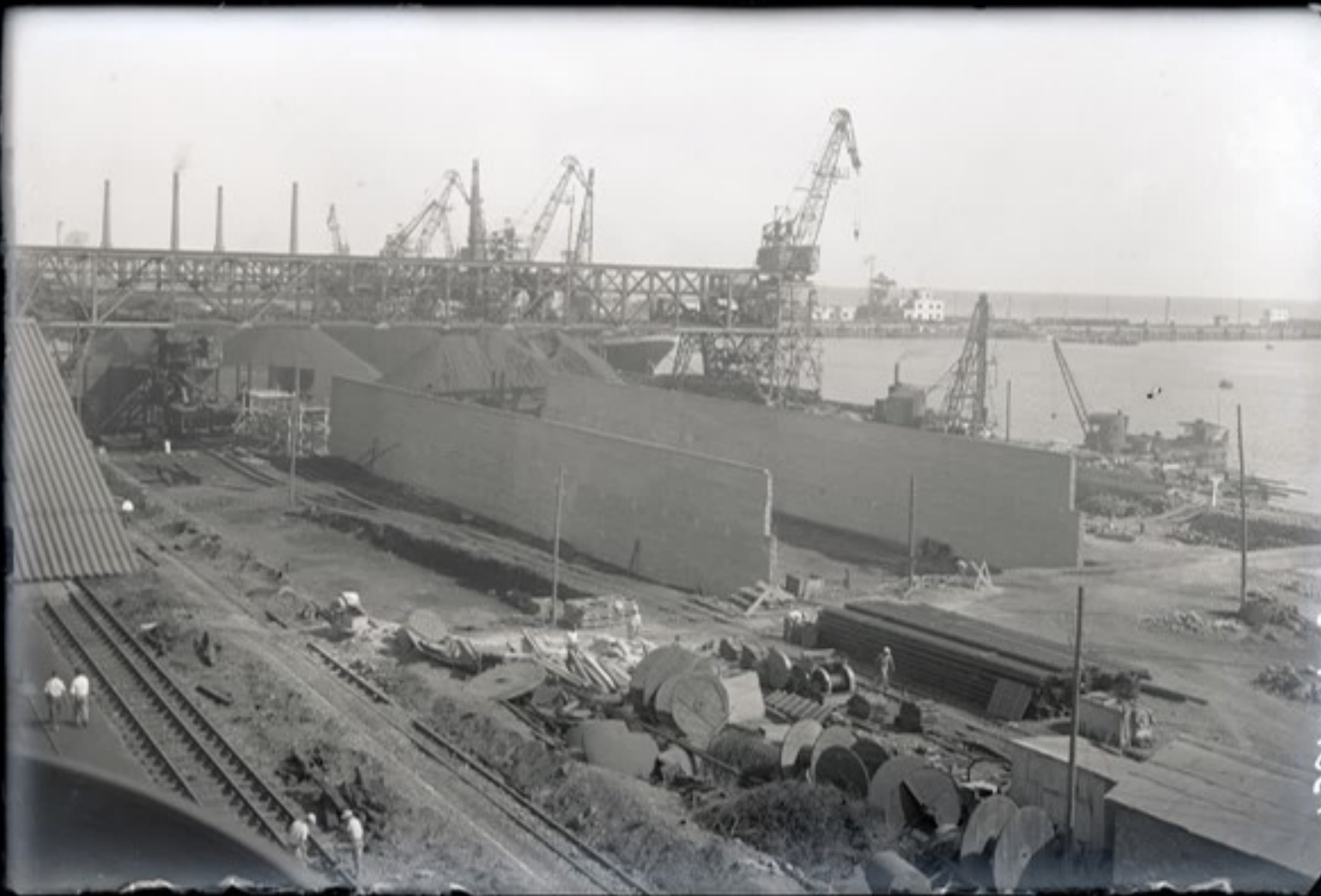
B-1409

2-10-1935



2-10-1924

9-1407



1-10-1924

1-10-1924



271-01-9

271-9



9-14/10

13-10-1914



6-1211

13-10-1924



P-1412

13-10-1954

P-1413

26-10-1915







8-1212

8-10-1824



191-6-11

P-1417

28-10-1954





52-01-95

8-121-9





P-1420
29-10-54

1541-9

47-01-PS



17-91-85

5521-9





8-14-53

58-10-24



P-1436

29-10-56



6-11-22
20-01-00
22



P-1552

19-11-1924



6-1958

10-11-1958



10-1459

10-11-1924



6-1430

53-11-124



8-1431

53-11-1924

APR 1941



5 - 1435

53-11-1824



B-1433

53-11-1421

4561-21-41

P-1434



P-1435

14-12-1954





D-1436

14-15-1924

0-1732

11-15-1021



6-1538

51-15-1864



APOLV



8-1438

51-15-1828



144-9

4291-15-1824



9-1441

21-15-1914

A. J. L. O. V.



P-1443

21-18-1934



58-15-1424

9-1443



B-1444

58-15-24



7791-1-4

9-1442



8-11-1822

4-1-1822



Panoramas de España vistos desde el cielo

Las tres torres más altas del castro de Almaraz se elevan sobre el pueblo y su valle, rodeado por el río Tago. Este castro, de origen prehistórico, fue reconstruido en el siglo de los romanos. Almaraz cuenta con un museo de arte y un mercado semanal que se congrega todos los días.

Este es otro ejemplo de un castro del tipo Almaraz, visto desde el cielo por el fotógrafo Almaraz y el fotógrafo Almaraz.



10-1-1822

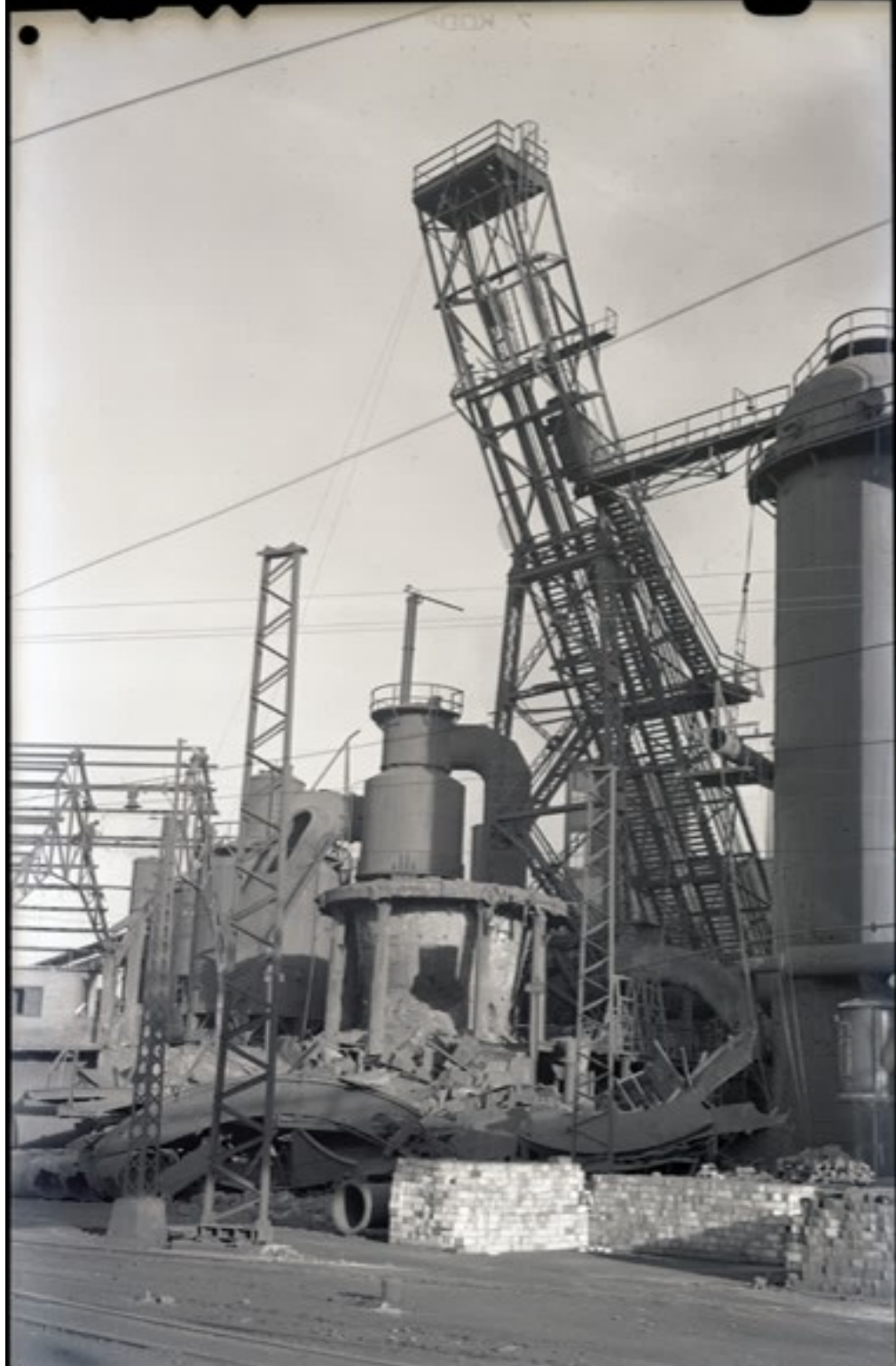
8-1448-9

14-1-1622

A-1451







2281-1-11

1221-9



2511-8

11-1-11



B-1903

18-1-1911



B
N
C

X
-
3
-
18
11



6-1422

8-8-1922



8-1426

8-1426

2 HDBA



72P1-5-8

5241-9



P-1458

8-2-1955



6-1428

SS-5-1822



D-1560

55-5-1822



SS-5-1822

6-1421



B-1485

50-5-1812

Confiteria de San Pedro para familia
de San Pedro



B-1113

1-3-1866



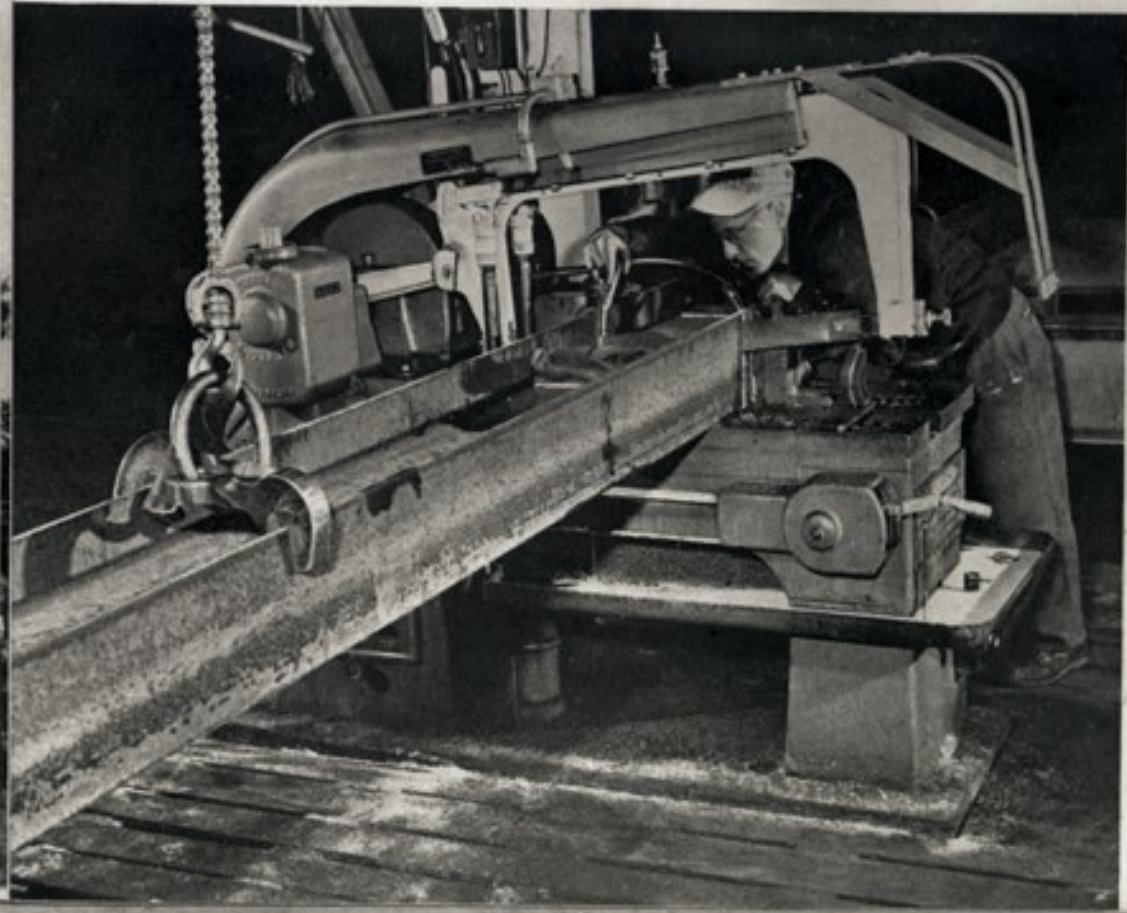
B-1464

1-3-1922



6-1402

1-3-1922



il est
ecture
une
ement
85 m
le m
ur de
apri-
(Avis-
ontés.
rent

amlich.
pany
dans

5561-3-4

P-1462



El Gran Comercio
 de
ESTADOS UNIDOS DE AMERICA
 con el
 Mercado de las Indias, Inglaterra, Portugal,
 Francia y España
 por el Canal
 de Suez
 y el Canal
 de Panamá
 1888
 Nueva York
 Wm. H. & Co.

De fondo al
 cuadro de
 Sinaloa impresa
 con color, de la
 época
 de


EN EL MUNDO Y EN LOS ESTADOS UNIDOS
 El comercio de las Indias, Inglaterra, Portugal, Francia y España por el Canal de Suez y el Canal de Panamá. Este comercio ha sido el motor de la civilización moderna y ha permitido el intercambio de productos y conocimientos entre las diferentes culturas del mundo.

B-120e

59-8-1622



6-1207

30-8-1822

6-1208

IAV

30-8-1822





P-1209

20-8-1922



0171-9

30-8-1922

8-1011

8-8-1011





6-1213

6-8-1922





171-9

2281-8-5



b-1712

89-1-1412

2121-9



9-1219

50-8-1817



P-1518
20-9-1955





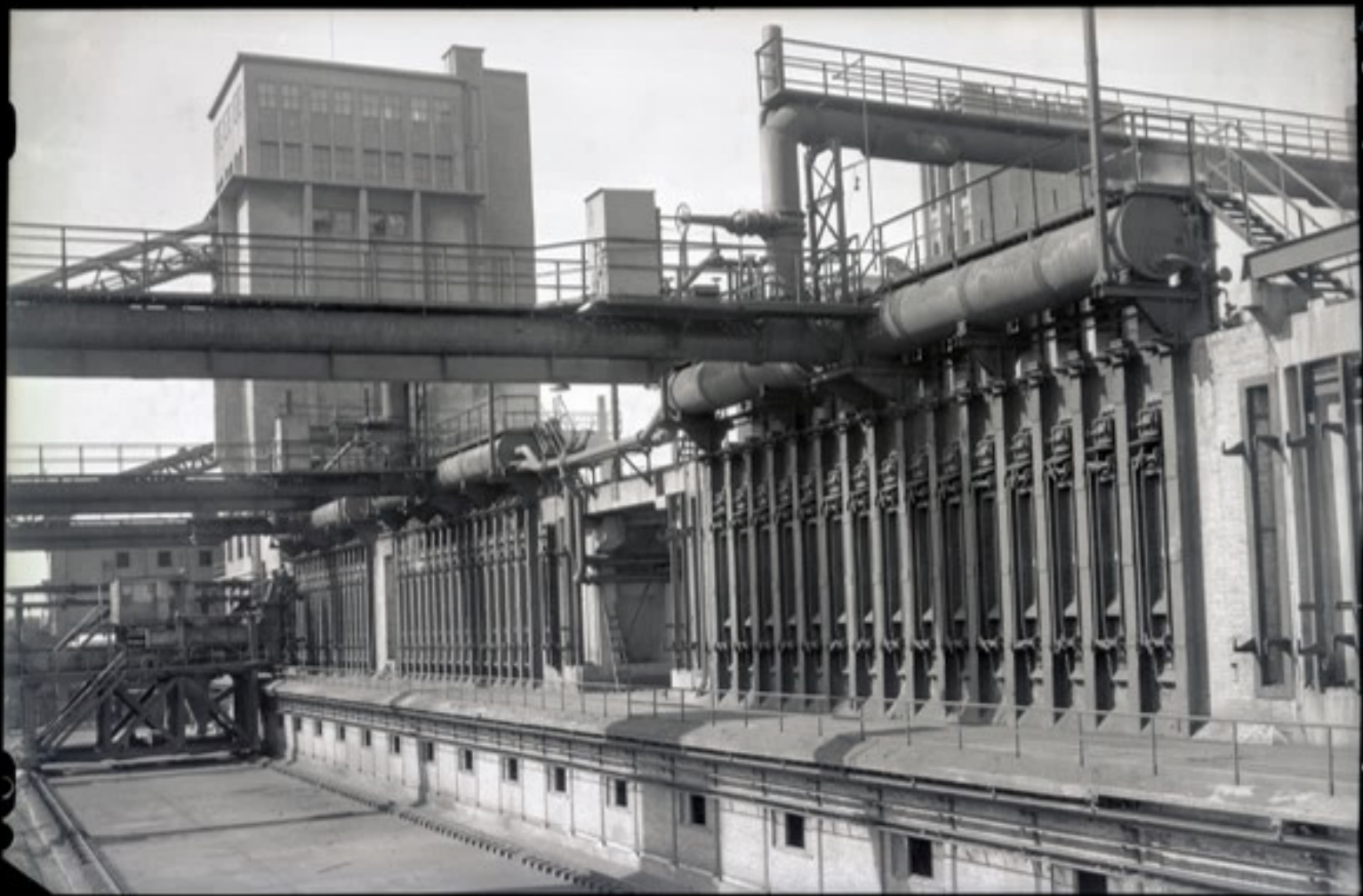
6-1218

20-2-1922



6-1250

50-0-1622



1521-9

2291-9-25



6-1258

29-4-1922



8 1551-8

2791-8-18



7271-A-15

7271-A-9



6-125P

L-10-191



5371-9

2-10-1922



b-1258

2-10-1922



F-1530

2-11-1955





6171-6

22-1-1911

P-1532

16-11-1955





6-1233

6-11-1965



B-1531

1-1-1911



6-1232

15-11-1966



6-1136

58-15-1822

4-1231

22P1-51-82





B-1238

24-15-1912



6-1240

88-15-1822



B-1630

278-81-82





8-1655

11-1-1920





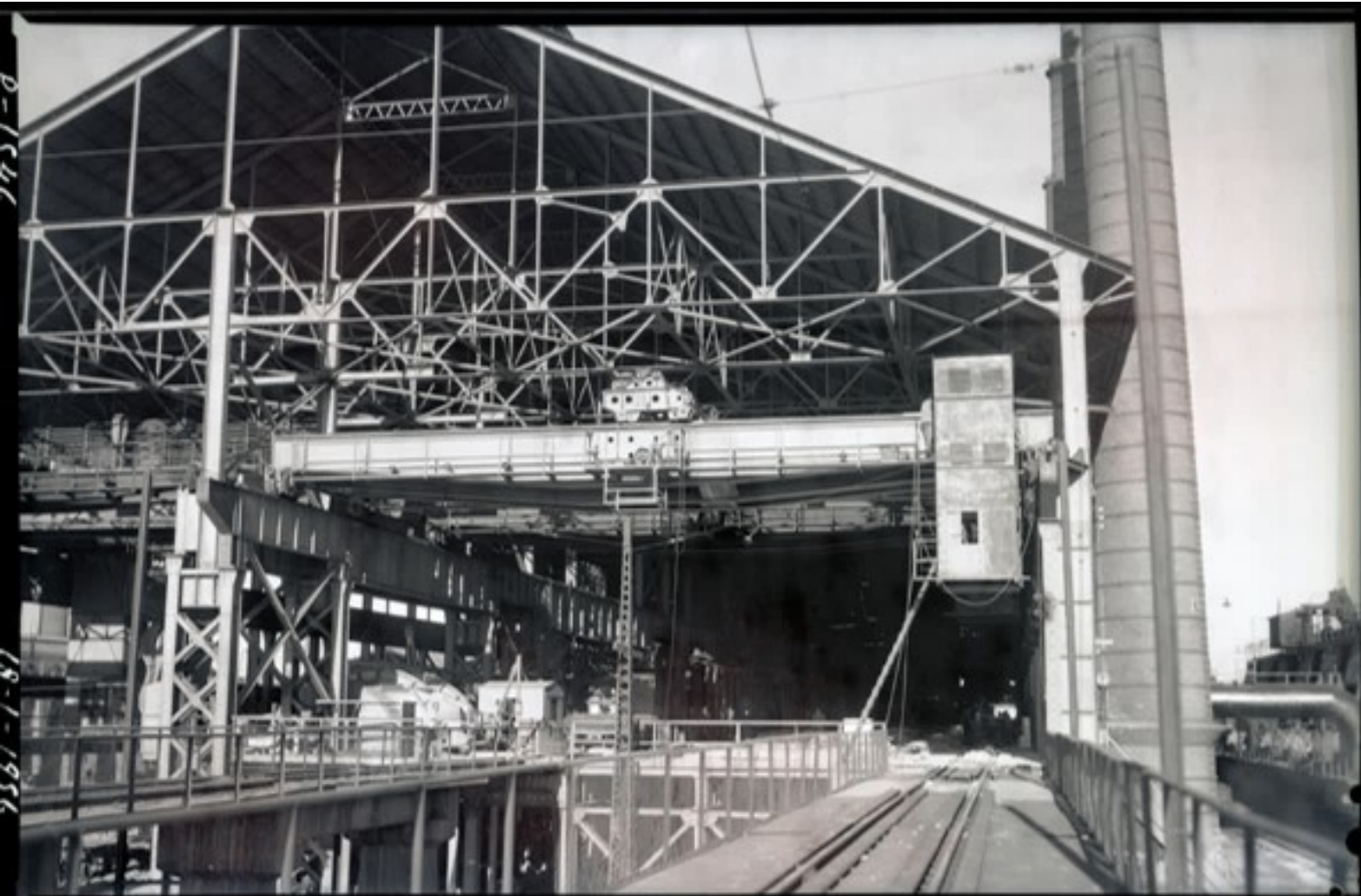
8-1111

1-1-1926



8-1541

1891





8-1221

52-1-1925

2281-1-25

8221-9





b-1248

52-1-182c

Quercus



4-5-1826

9-1221

P-1552

6-2-1951





11-5-1922

9-1223



6-1224

12-8-1925



2771-6-5

2771-8



9-1285 - 53-3-1426

4-1225



Joe Thomas Rowe











6-1205

6-5-1966

P-1563

18-4-1956



P-1564

18-4-1950



P-1565

18-4-1956



Manufacturing of various types of machinery



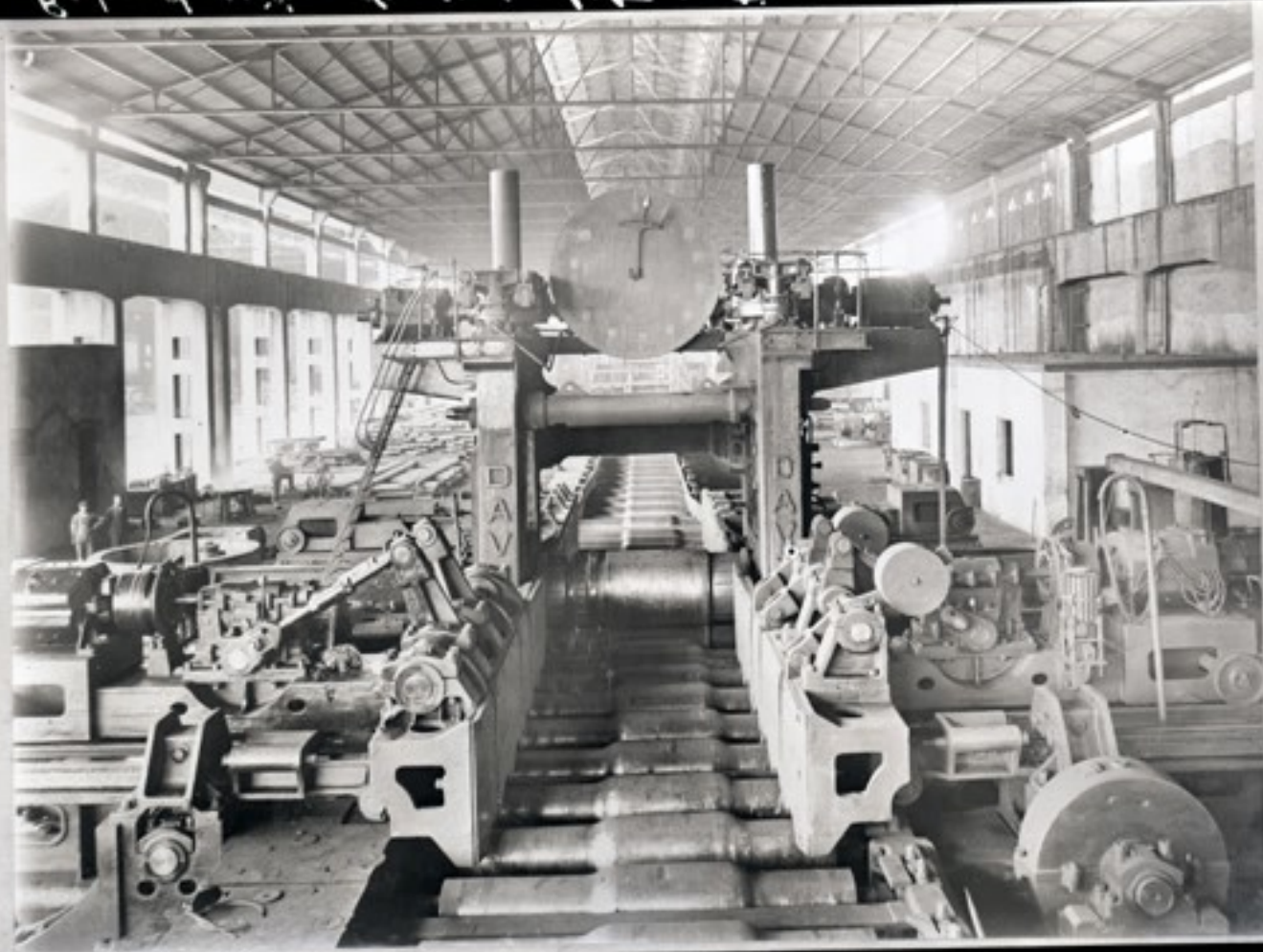
B-1222

Completed job was on 11/25/54



9-121-9

Photograph of the mill in 1900



6-1900

2-1931-8

4-5-1931



anfitrión del amor de mis abuelos

0571-9



PLANTA DE ACEROS — COLADA DE UN MARTIN SIEMENS —

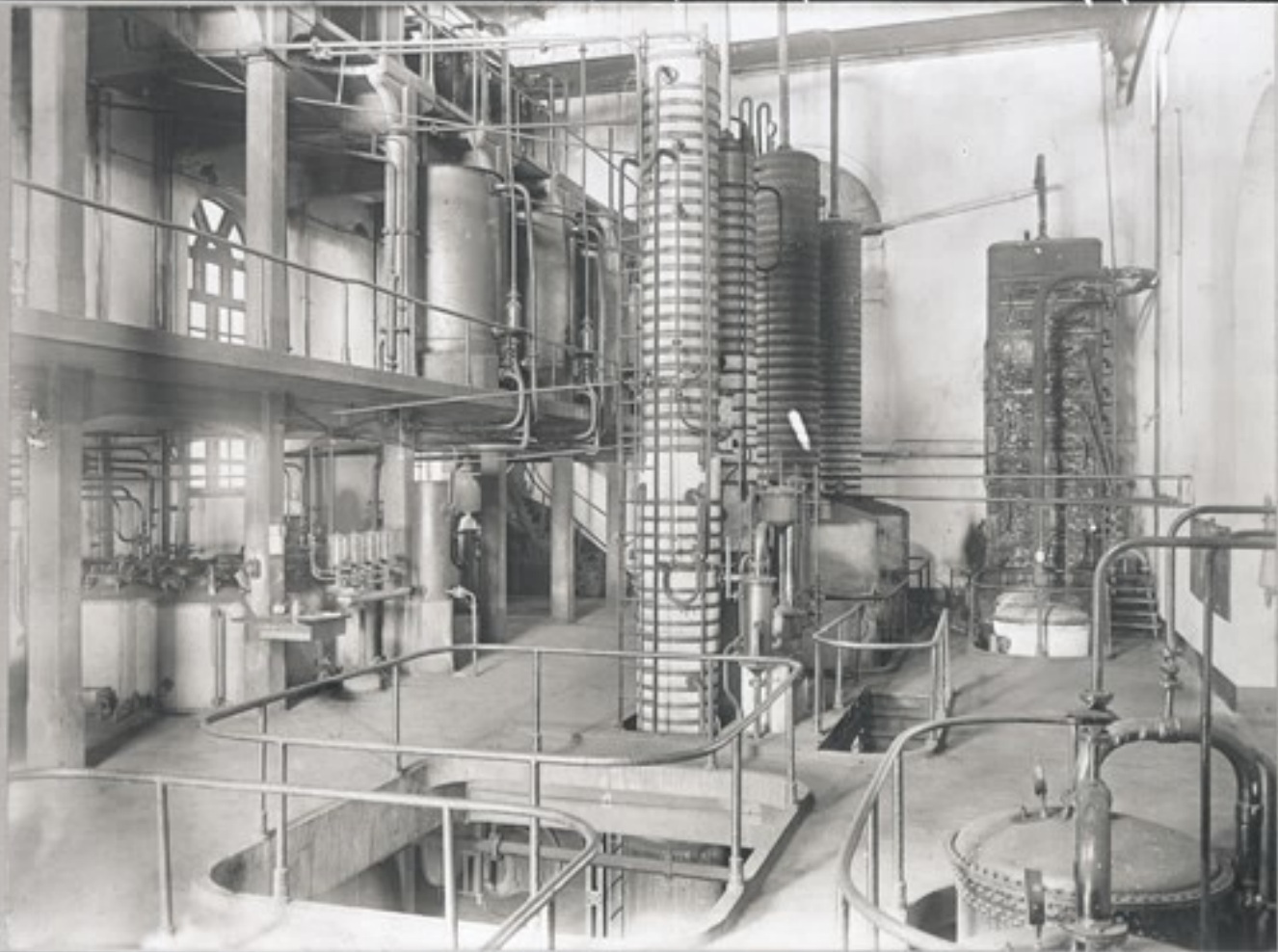
CUCHARAS DE ACERO Y DE

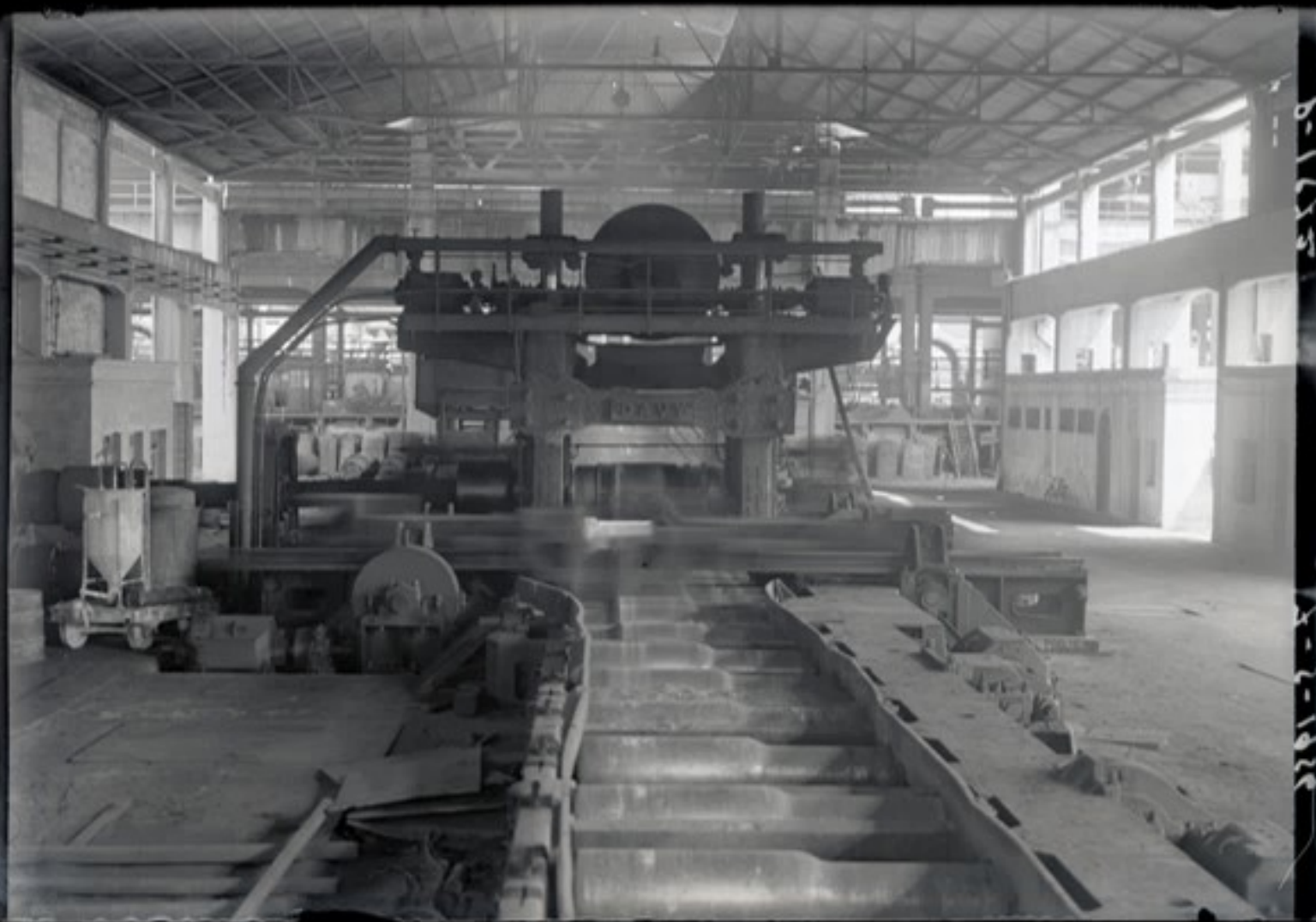
ESCORIA

N.º 11

1521-9

of the operation of the gas engine





8-1255





B-1254

12-2-1928



15-2-1922

9-1252



2791-2-21

9-1276



6-1255

1828-2-29



14-2-1927

9-1258



637-8

187-7-1



V-1280

12-7-1972

1581

1915-5-9





6-1285

11-6-1901



3 KODAK





1931-9

1931-9