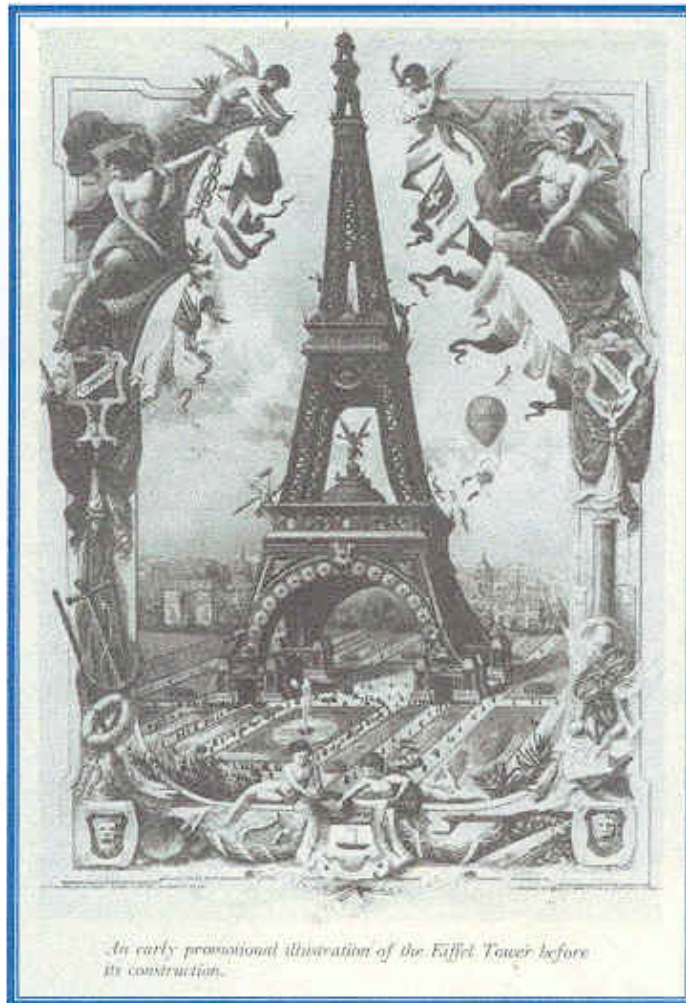


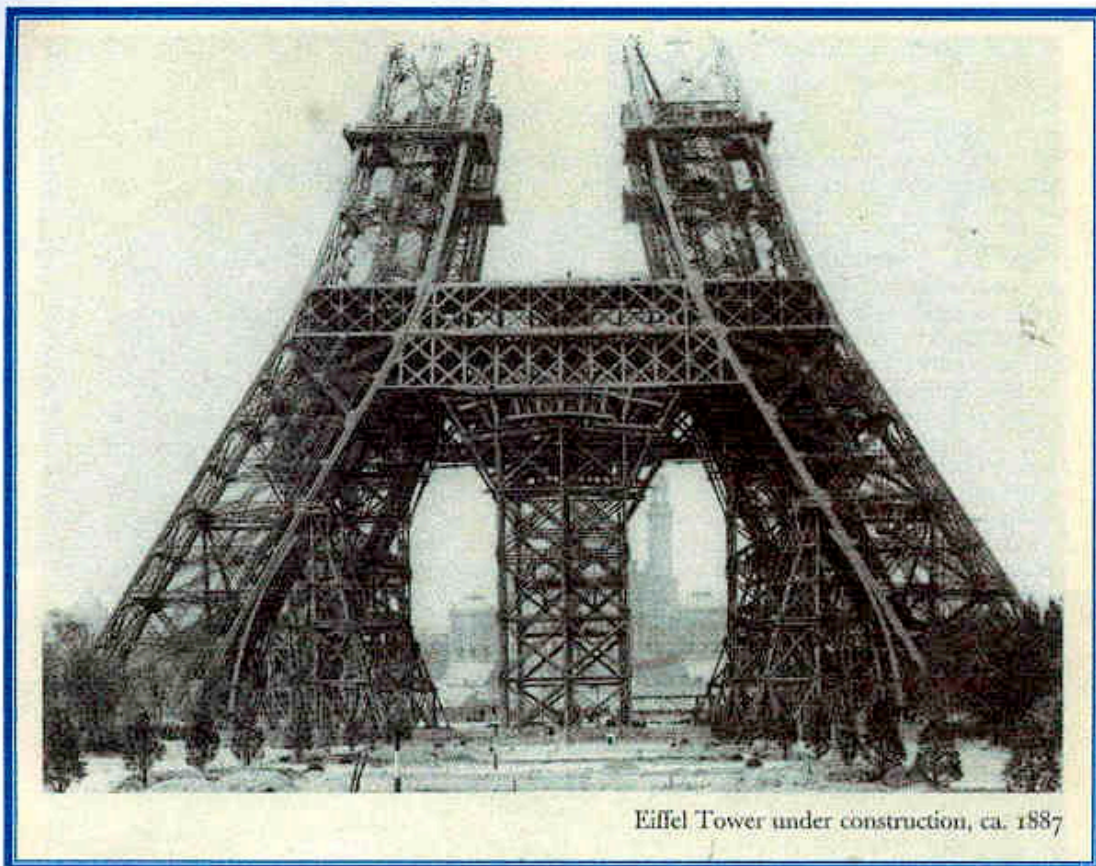
The ELEVATORS in the EIFFEL TOWER



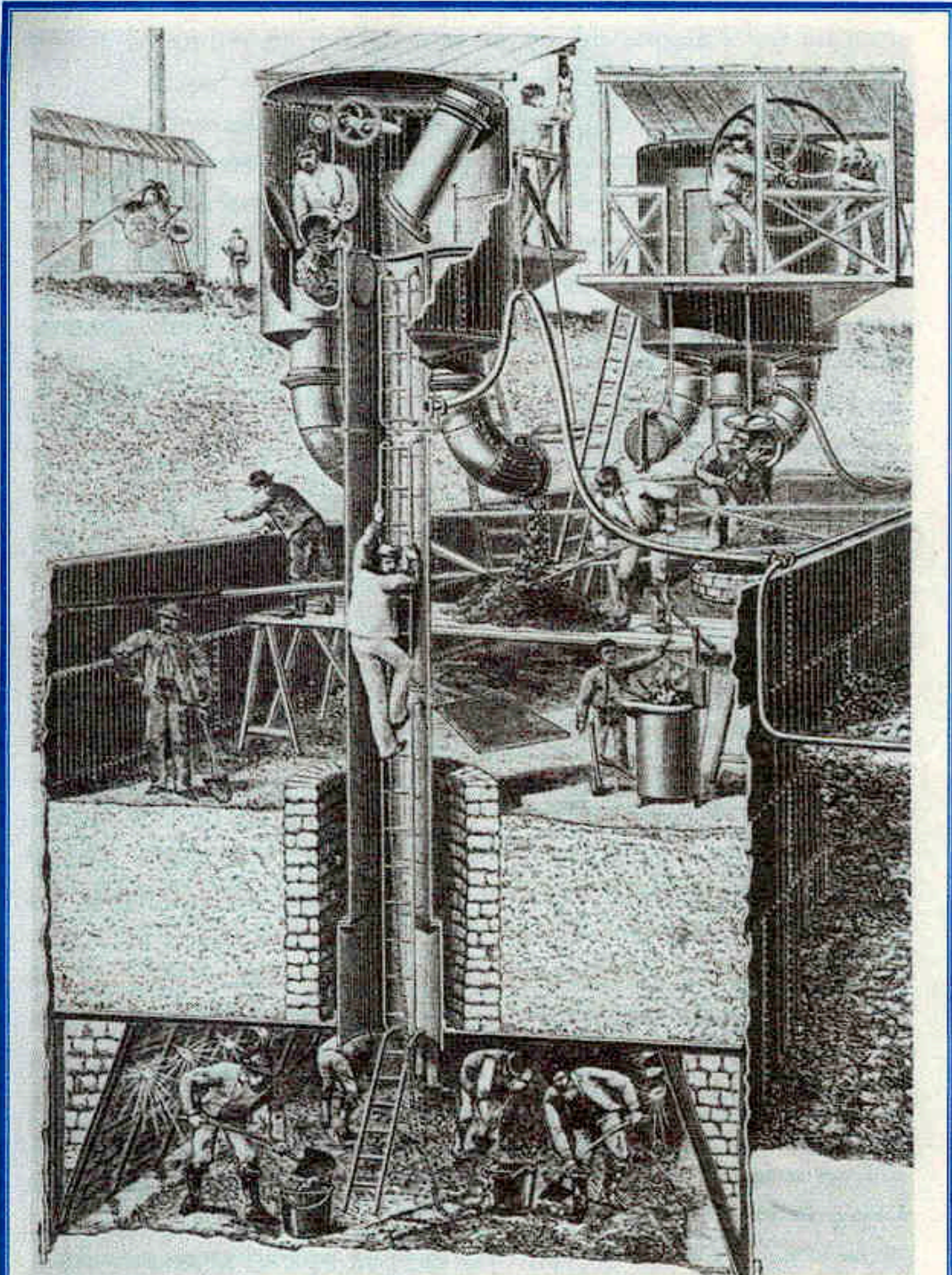
An early promotional illustration of the Eiffel Tower before its construction.

Compiled by
BRIAN ROBERTS
Chairman CIBSE HERITAGE GROUP

ELEVATORS

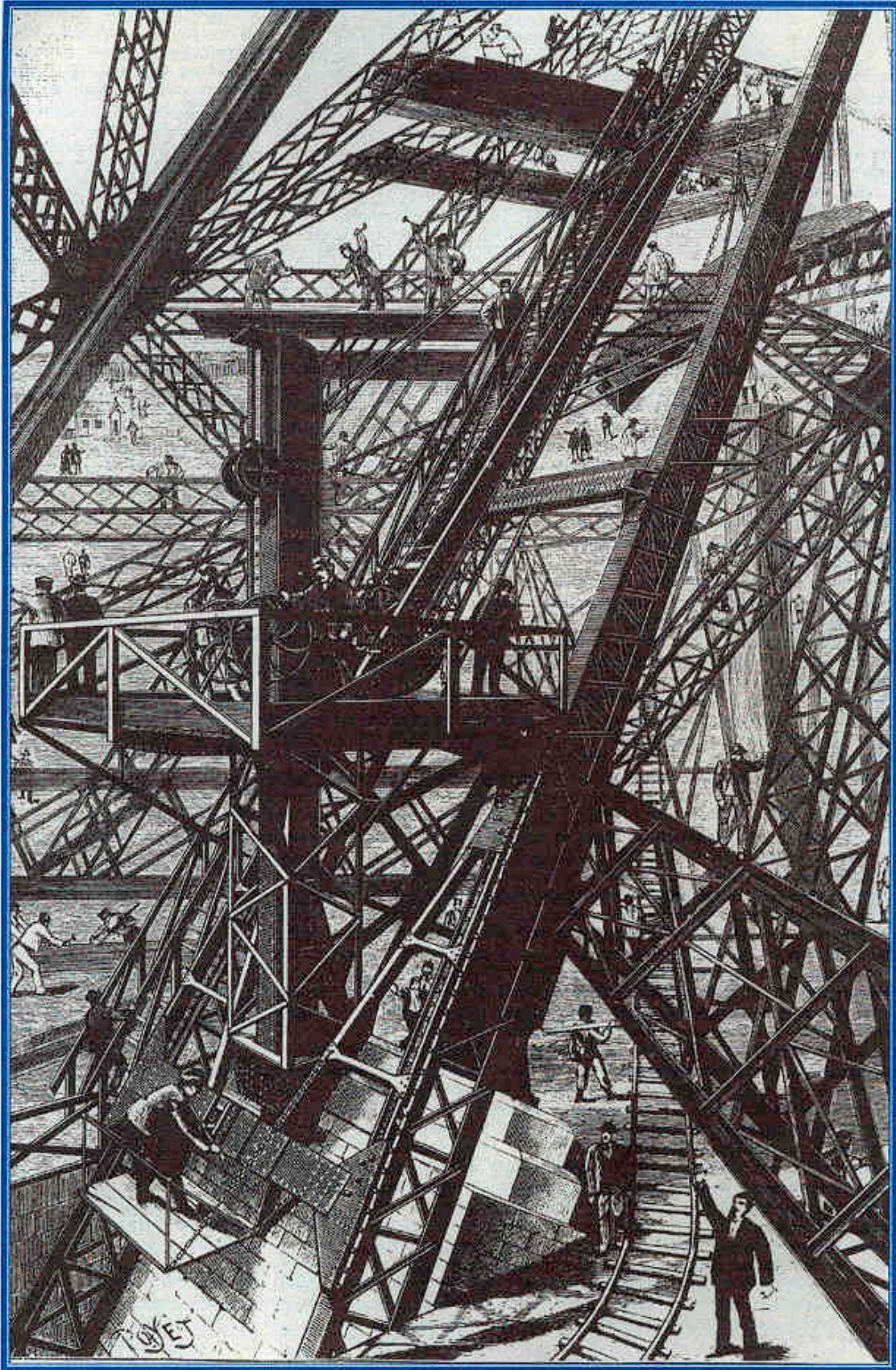


ELEVATORS



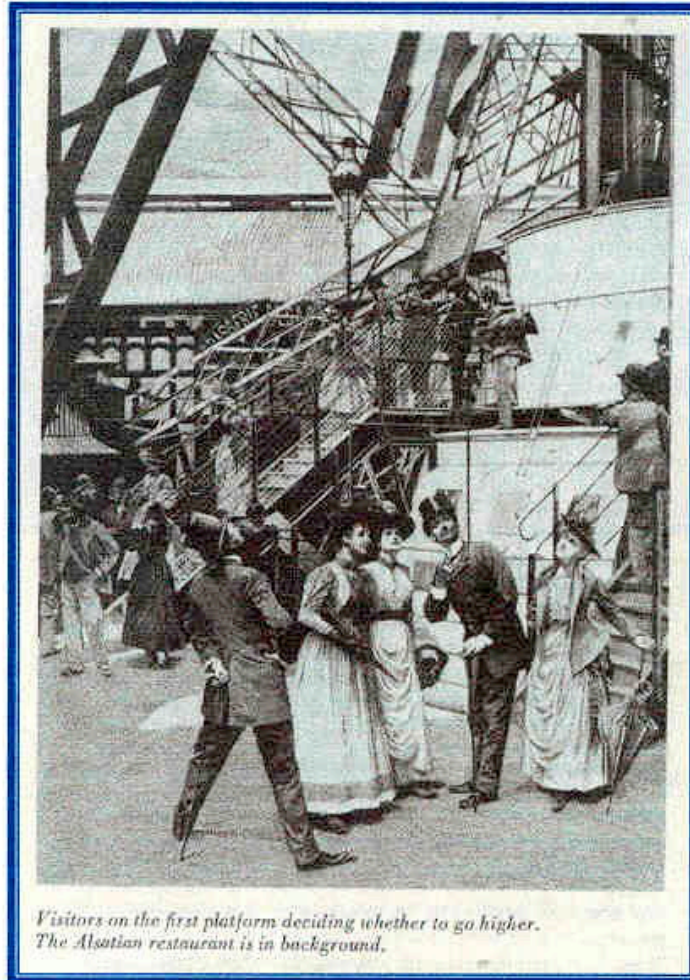
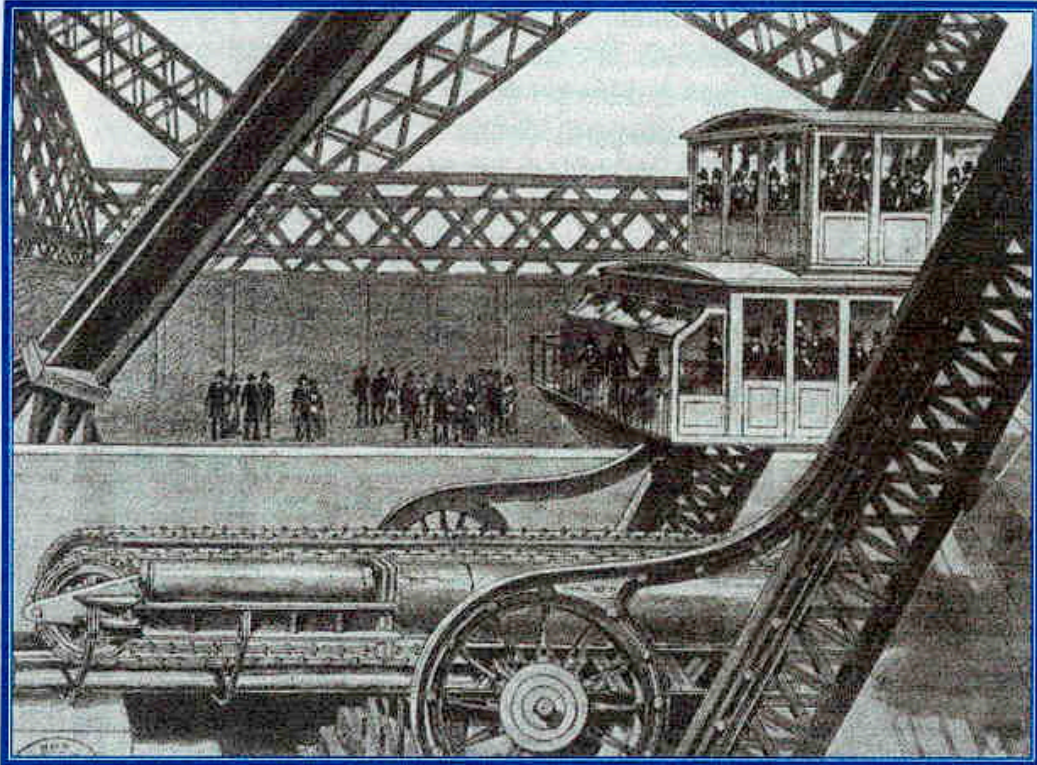
Cutaway view of the caissons in operation, with air lock at top and work chamber below.

ELEVATORS



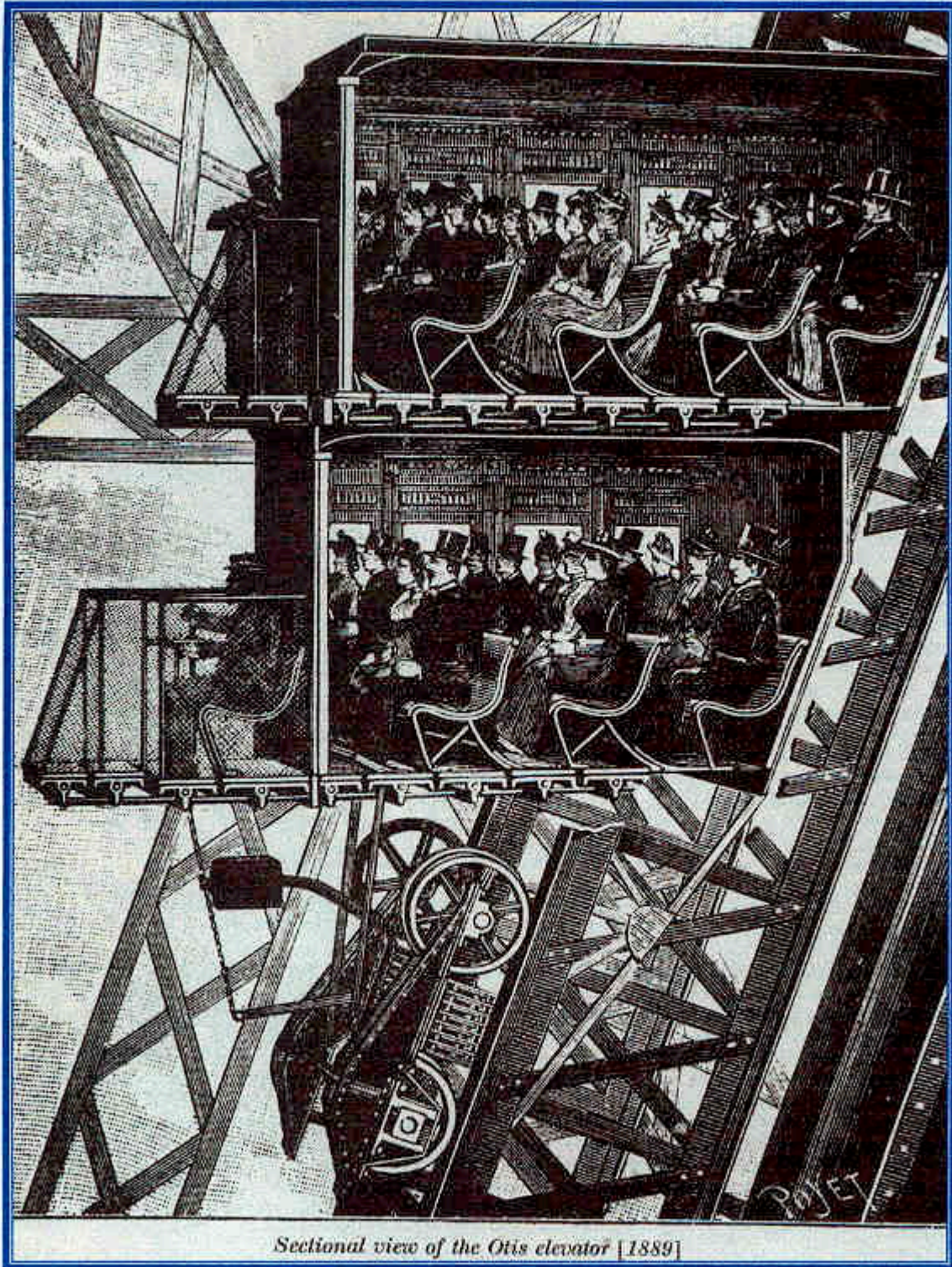
Eiffel Tower, Paris [VI, 81]

ELEVATORS



*Visitors on the first platform deciding whether to go higher.
The Alsatian restaurant is in background.*

ELEVATORS



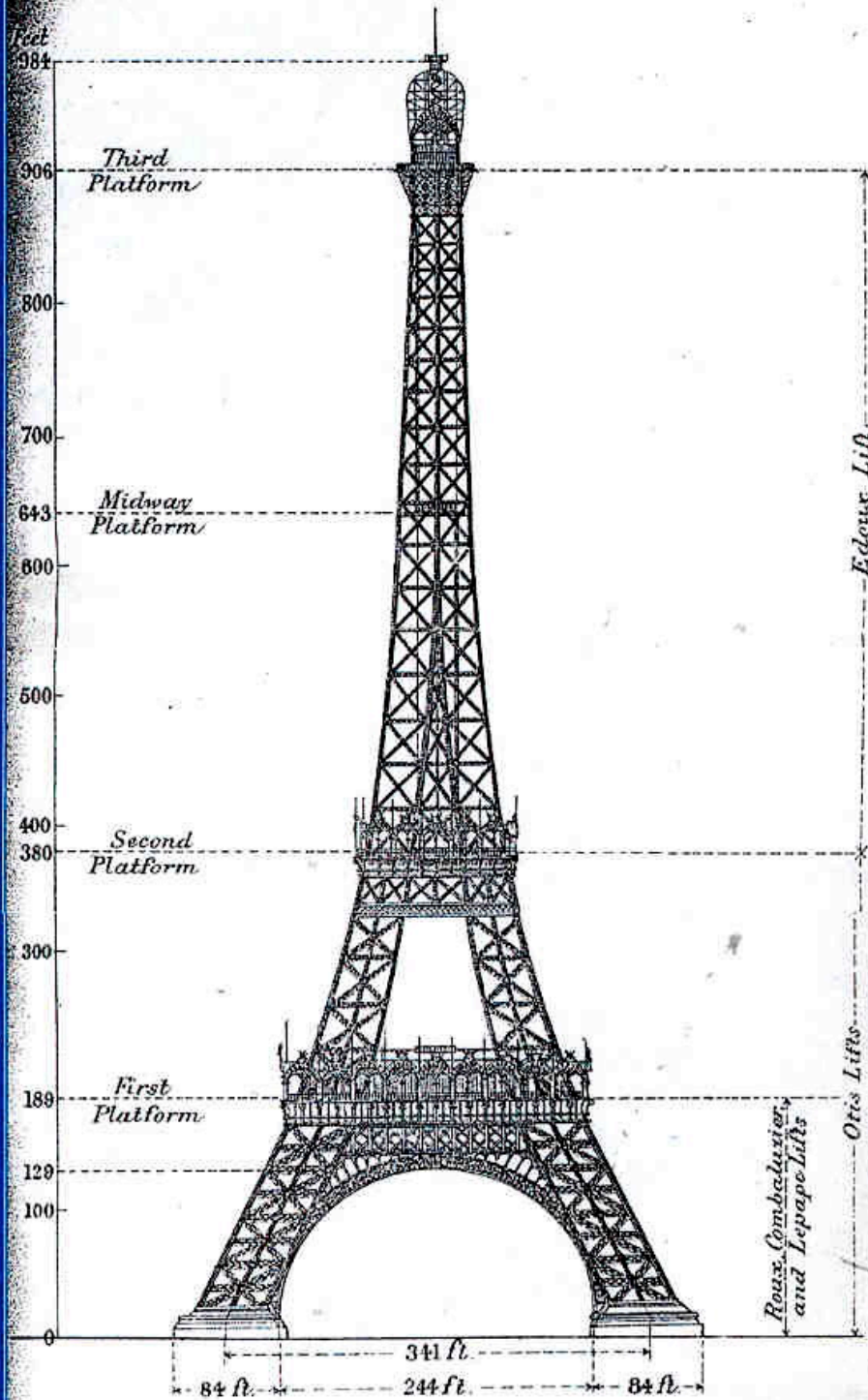
Eiffel Tower, Paris [VI, 82]

ELEVATORS

EIFFEL TOWER LIFTS.

Plate 61.

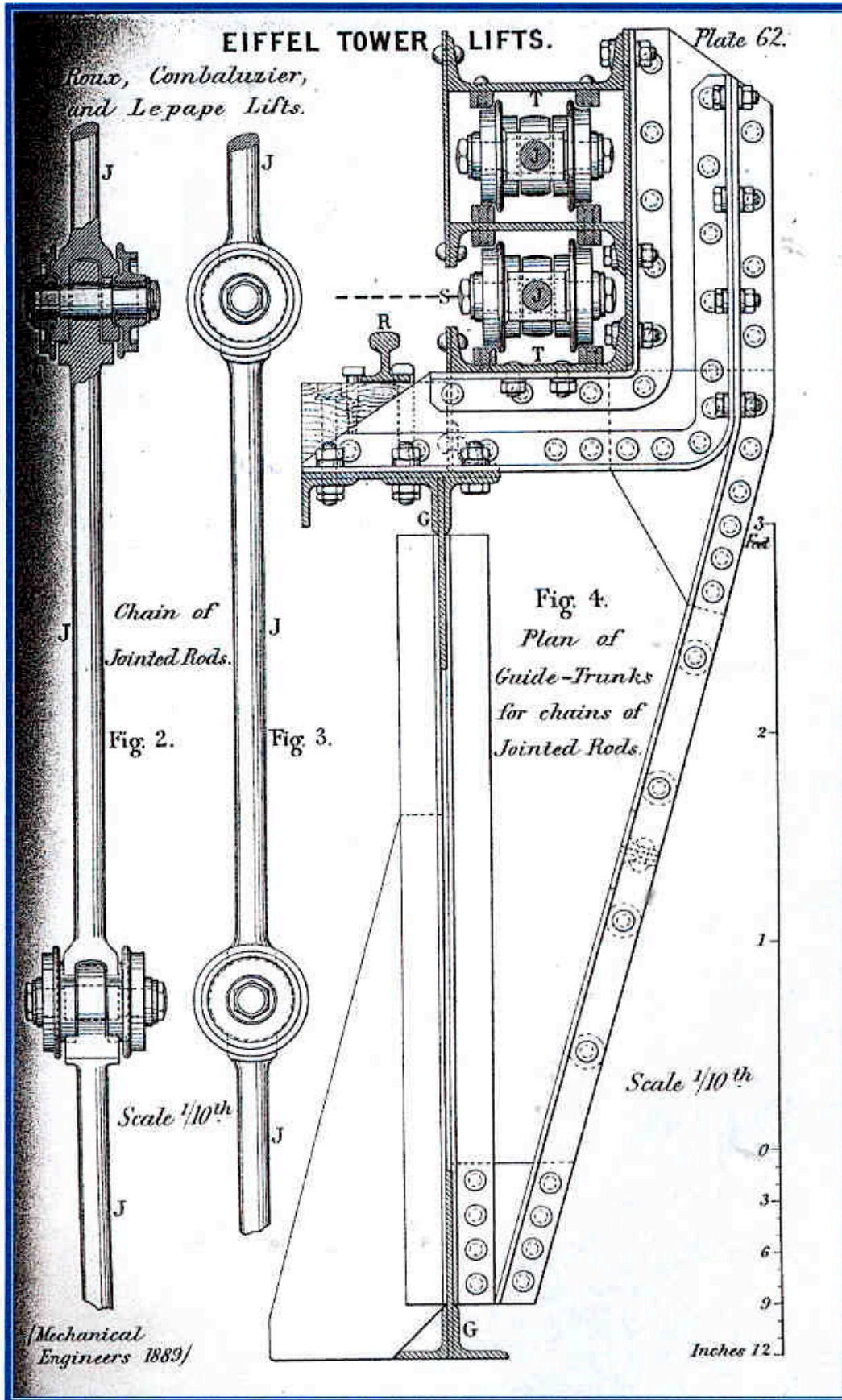
Fig. 1. Elevation of Eiffel Tower.



(Mechanical Engineers 1889)

Scale $1/2000^{\text{th}}$

ELEVATORS



ELEVATORS

Plate 64.

EIFFEL TOWER LIFTS.

Roux, Combaluzier, and Lepape Lifts.

Fig. 6. Plan of Hydraulic Cylinders.

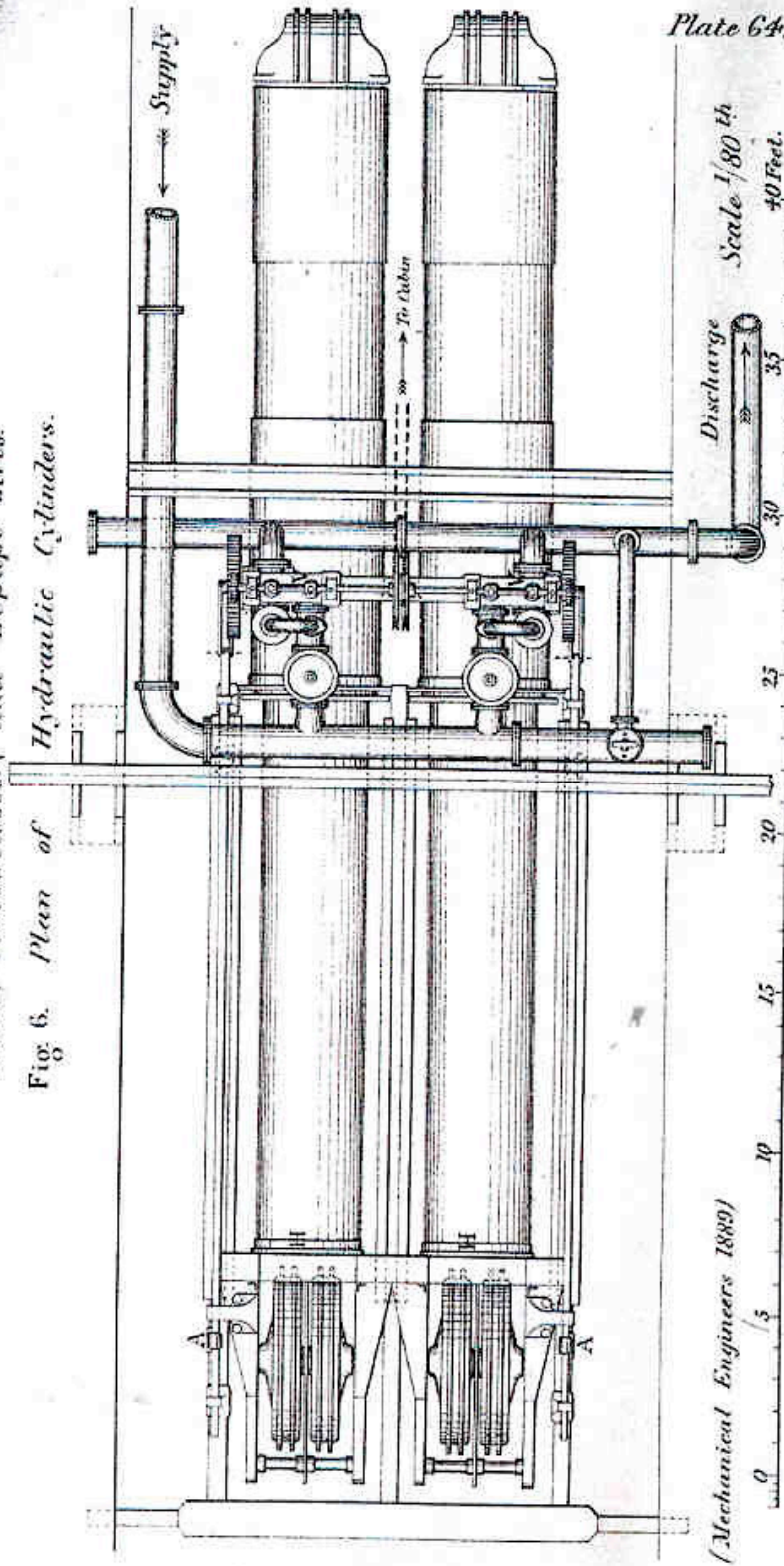


Plate 64.

Scale $\frac{1}{80}^{\text{th}}$
40 Feet.

(Mechanical Engineers 1889)

ELEVATORS

EIFFEL TOWER LIFTS.

Roux, Combaluzier, and Lepape Lifts.

Plate 66.

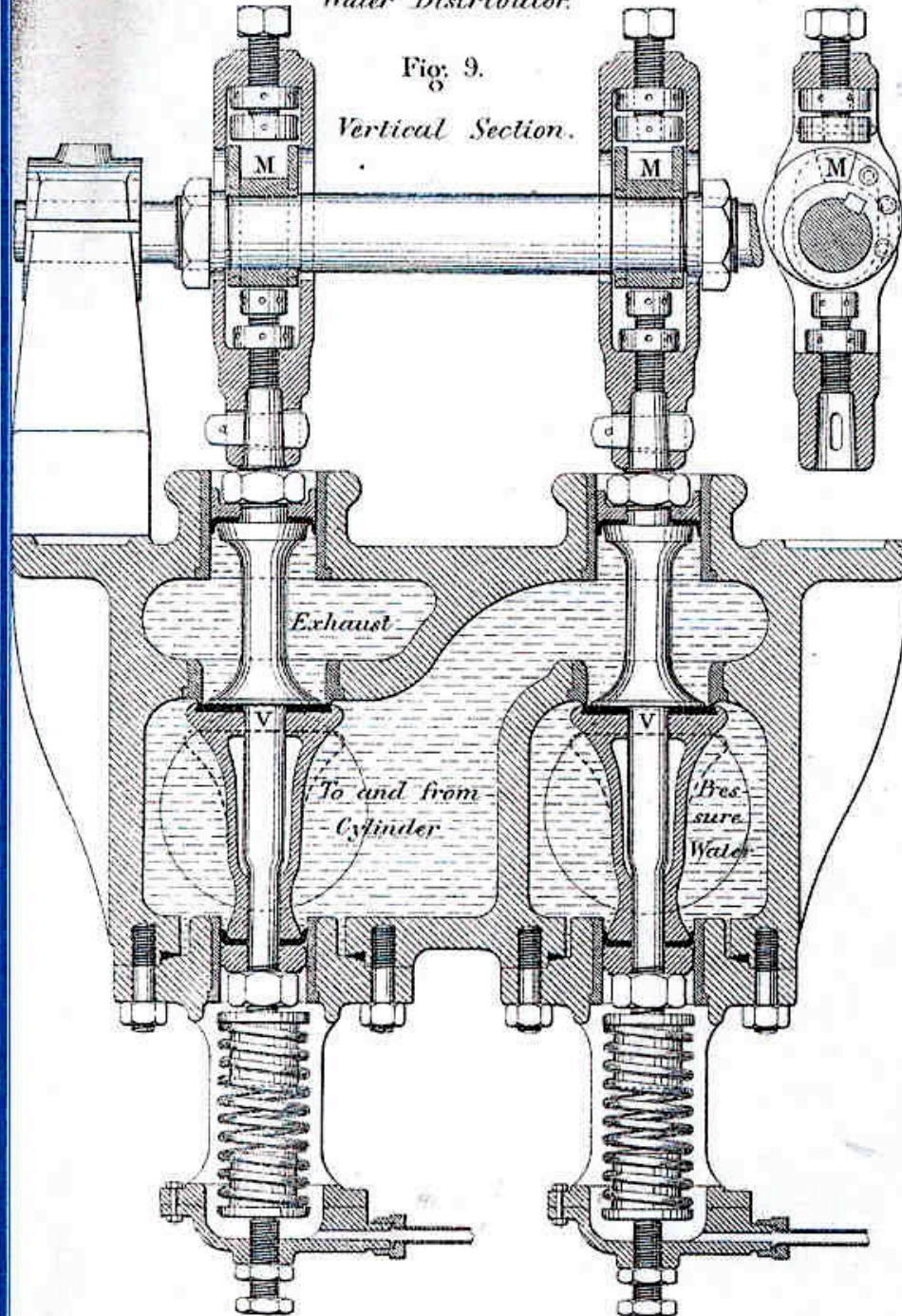
Fig. 10.

Transverse Section.

Water Distributor.

Fig. 9.

Vertical Section.



(Mechanical Engineers 1889)

Scale $\frac{1}{8}^{\text{th}}$

Inches.

0 5 10 15 20 25 30

ELEVATORS

IEFFEL TOWER LIFTS.

Plate 67.

Otis Lifts.

Fig. 11. Side Elevation
of Truck carrying Cabin.
Scale $\frac{1}{80}^{\text{th}}$

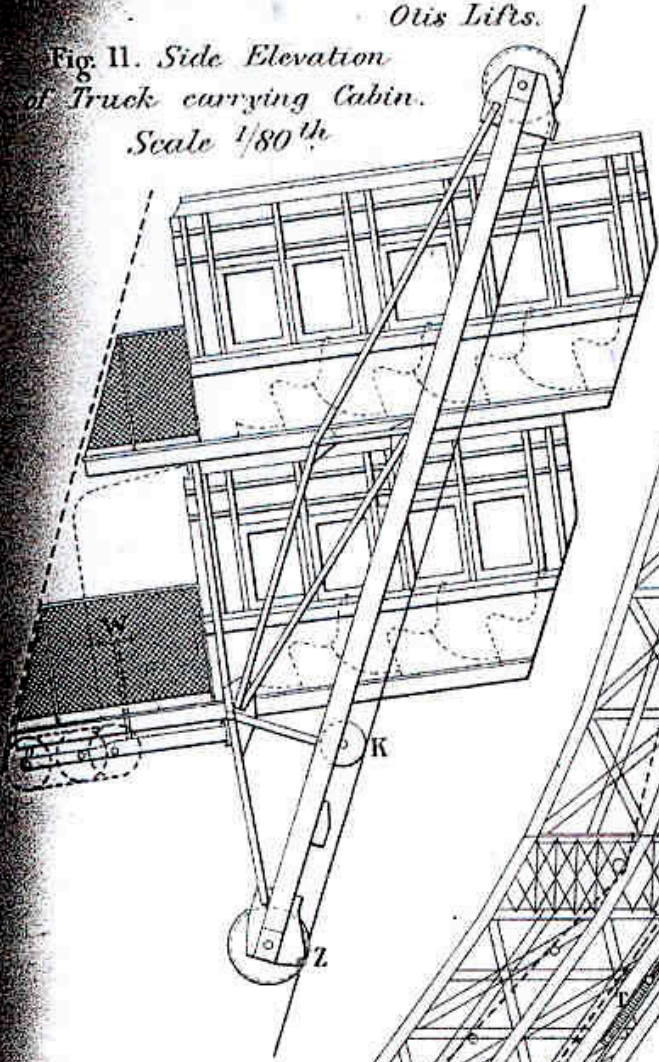


Fig. 12.
Elevation of Pier
containing Lift.
Scale $\frac{1}{800}^{\text{th}}$

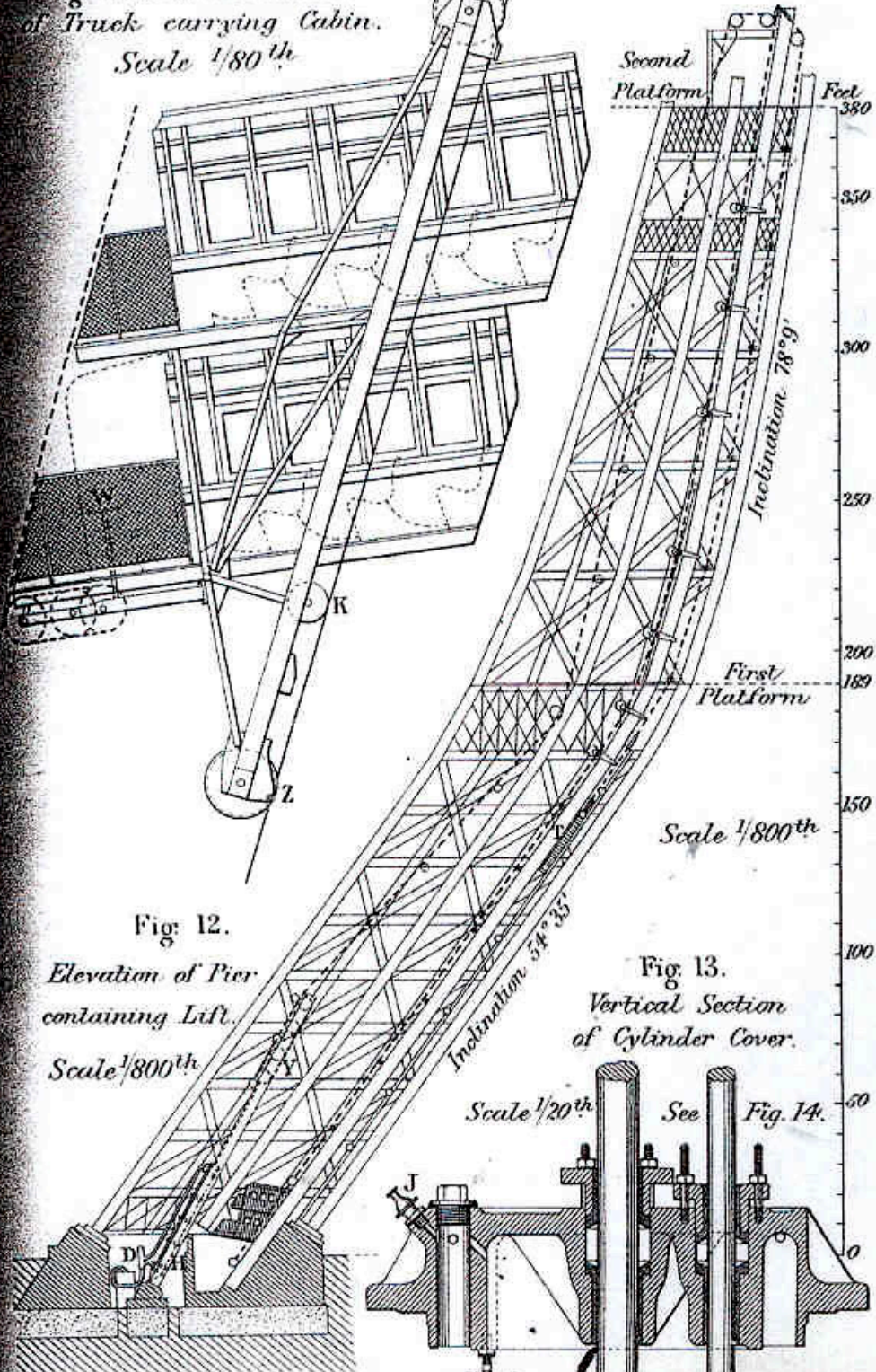
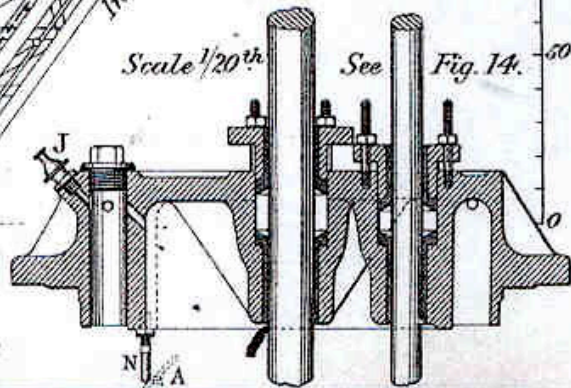


Fig. 13.
Vertical Section
of Cylinder Cover.



(Mechanical Engineers 1883)

ELEVATORS

EIFFEL TOWER LIFTS.

Plate 68.

Otis Lifts.
Hydraulic
Cylinder.

Fig. 15.

Plan of Dummy Piston.

Scale $\frac{1}{20}^{\text{th}}$

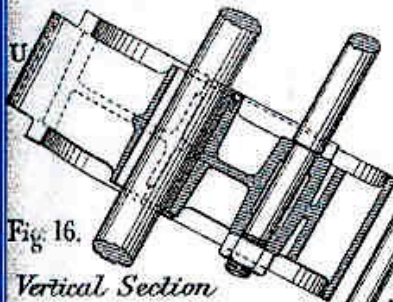
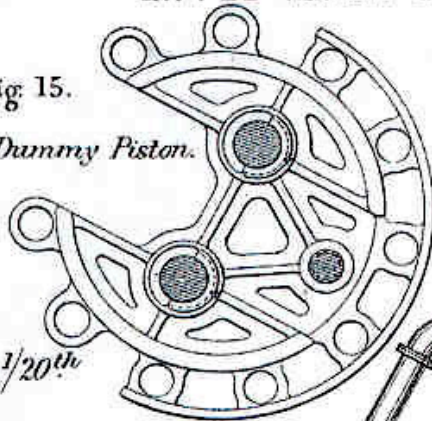


Fig. 16.

Vertical Section
of Dummy Piston.

Fig. 14.

Vertical Section
of Hydraulic Cylinder.

Scale $\frac{1}{100}^{\text{th}}$

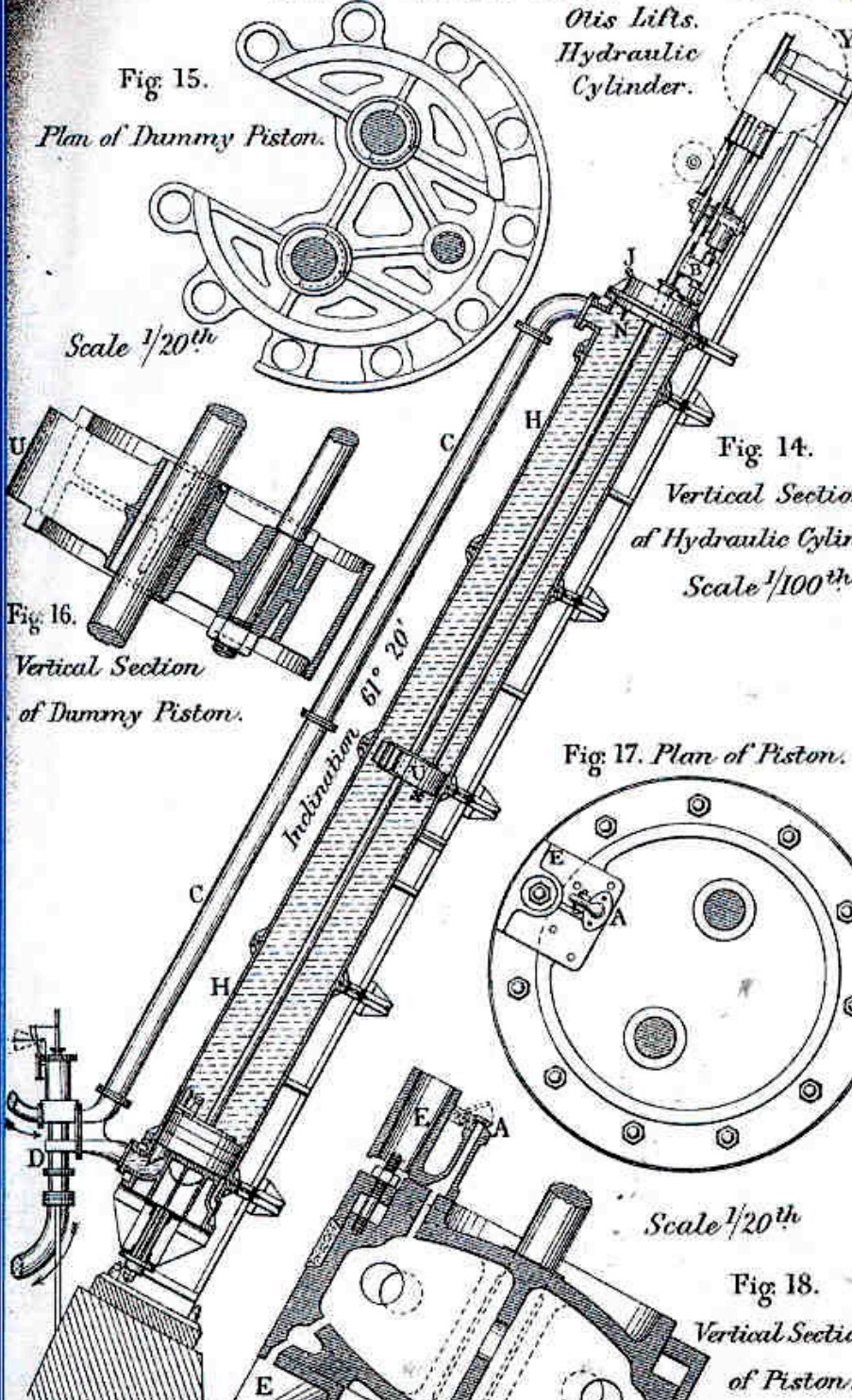
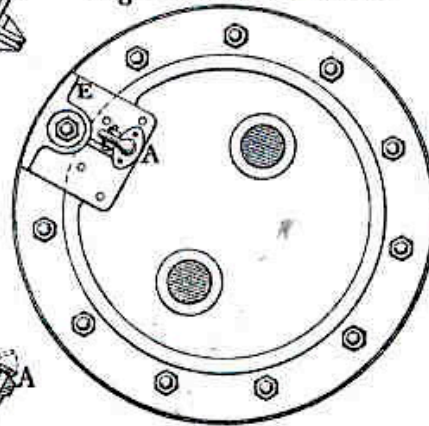


Fig. 17. Plan of Piston.



Scale $\frac{1}{20}^{\text{th}}$

Fig. 18.

Vertical Section
of Piston.

Scale $\frac{1}{20}^{\text{th}}$

(Mechanical Engineers 1889)

12 Ins. 6 0 1 2 3 4 5 Feet

ELEVATORS

EIFFEL TOWER LIFTS.

Plate 69.

Otis Lifts. Water Distributor.

Cabin Stationary.

Fig. 19. *Vertical Section.*

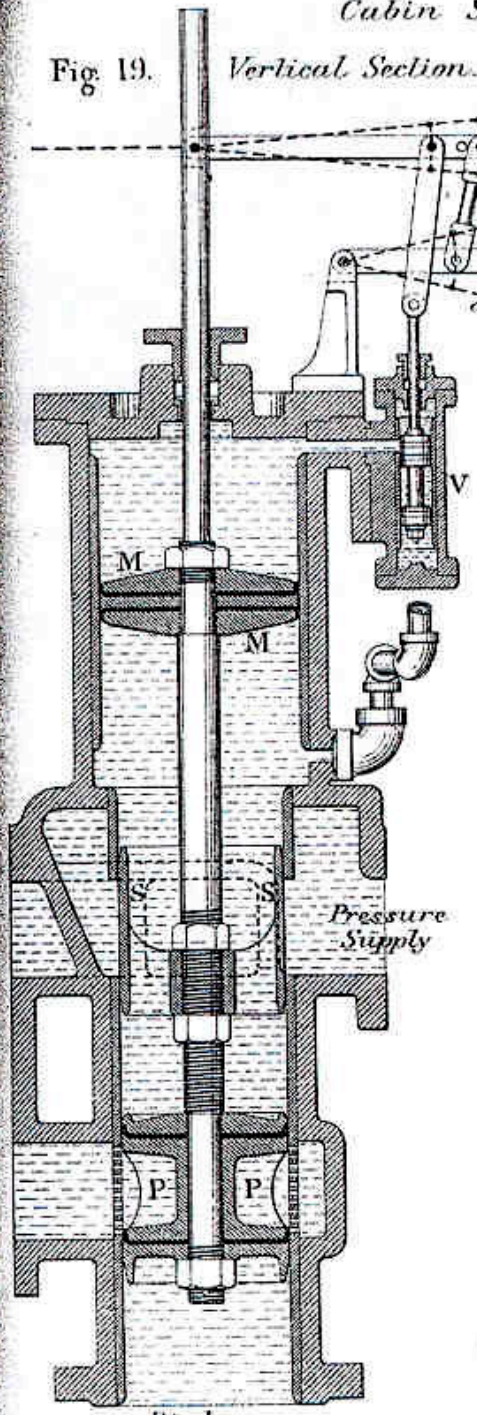
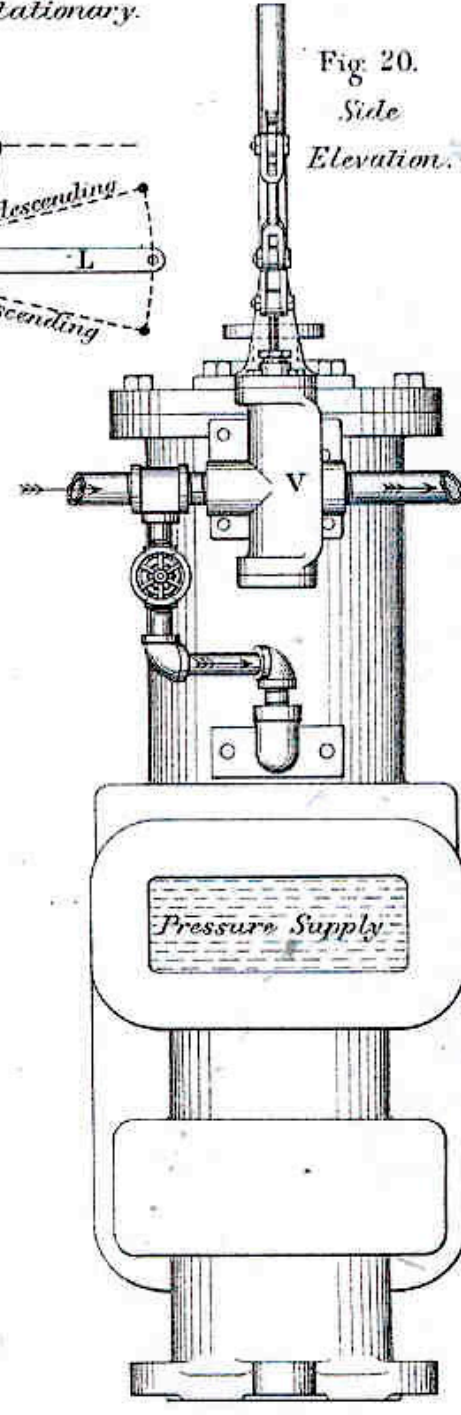


Fig. 20. *Side Elevation.*



Inches
12 9 6 3 0 1

(Mechanical Engineers 1889)

Scale $\frac{1}{12}$ in
2 3

Feet

ELEVATORS

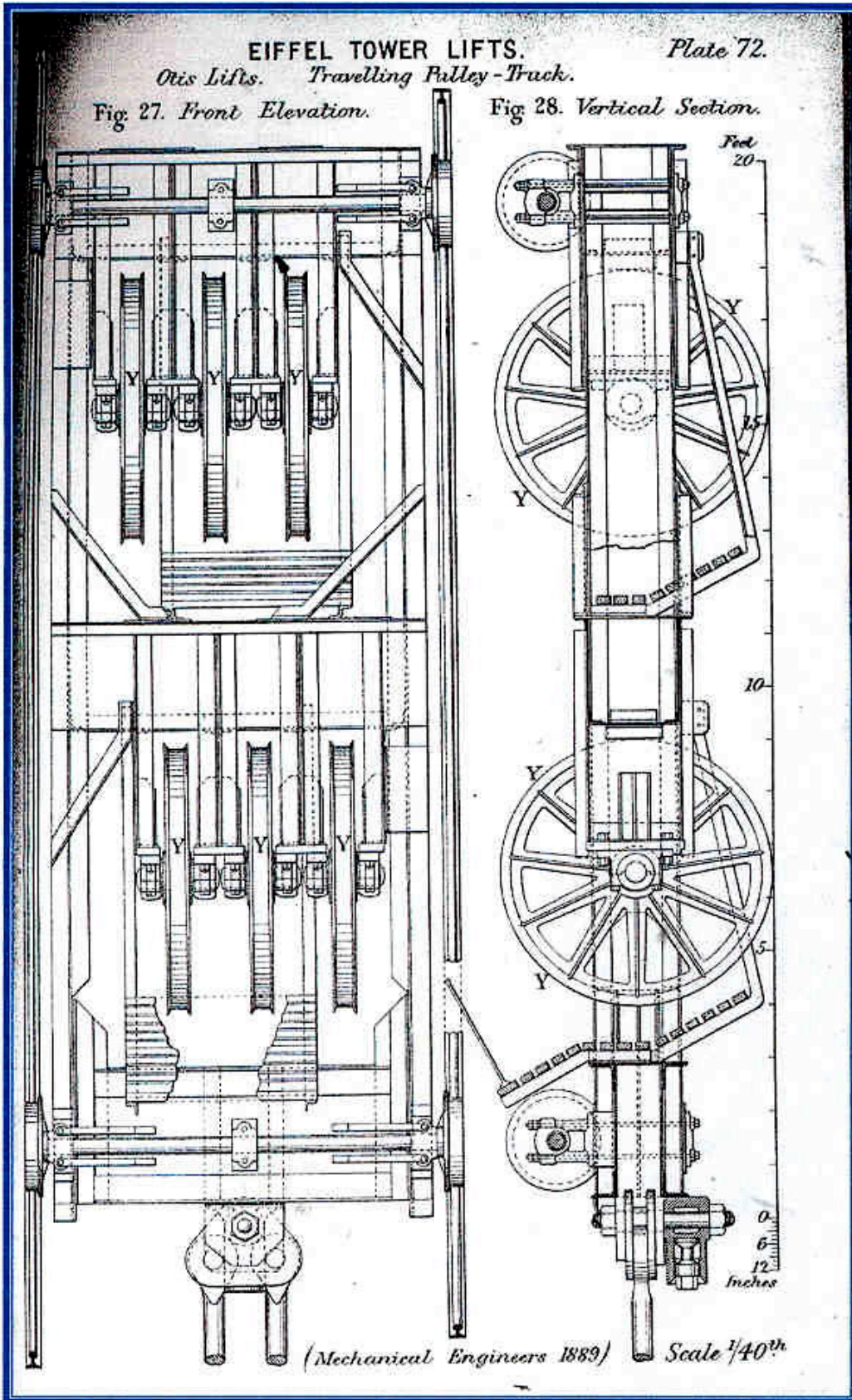
EIFFEL TOWER LIFTS.

Plate 72.

Otis Lifts. Travelling Pulley-Track.

Fig 27. *Front Elevation.*

Fig 28. *Vertical Section.*



ELEVATORS

EIFFEL TOWER LIFTS. *Plate 73.*

Otis Lifts. Cabin Safety-Brake.

Fig. 29. *Front Elevation.*

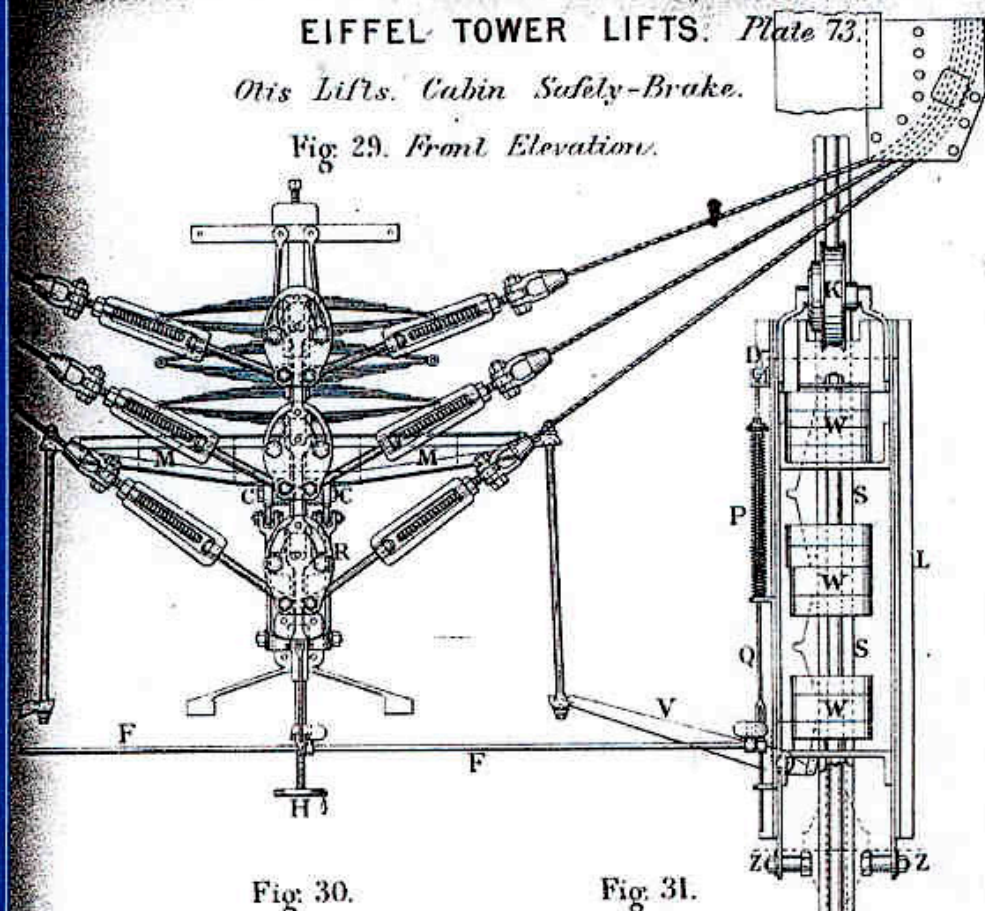


Fig. 30.

Fig. 31.

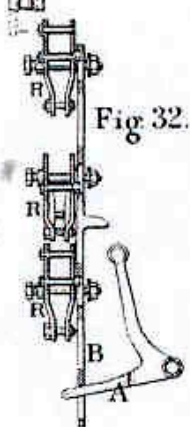
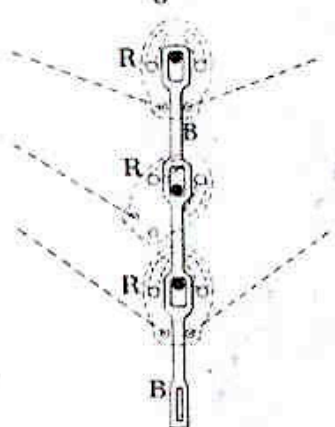
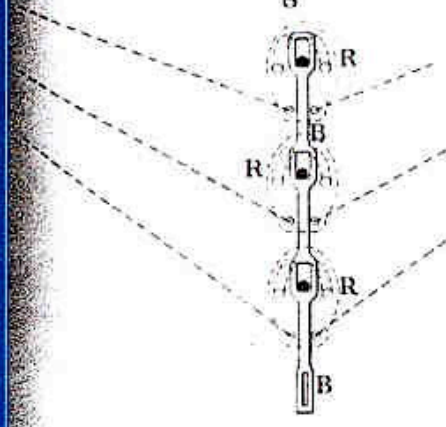
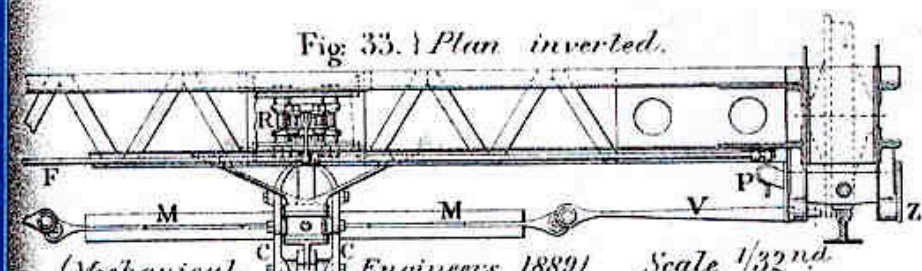


Fig. 33. *Plan inverted.*



(Mechanical Engineers 1889) Scale $\frac{1}{32}$ in.
 0 1 2 3 4 5 6 7 8 9 Feet 10

ELEVATORS

EIFFEL TOWER LIFTS. *Plate 74.*

Lorry of Cabin Safety-Brake.

Otis Lifts.

Fig. 34.
Front Elevation.

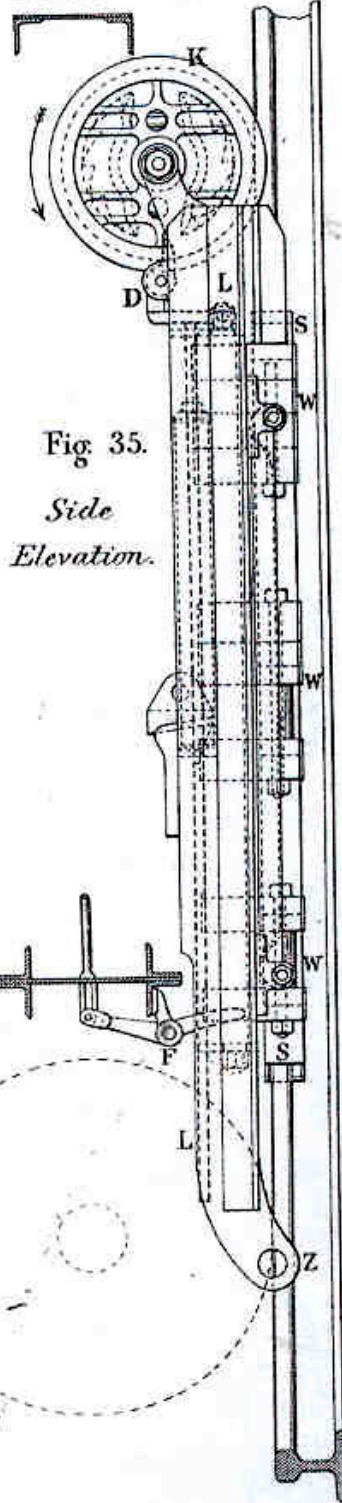
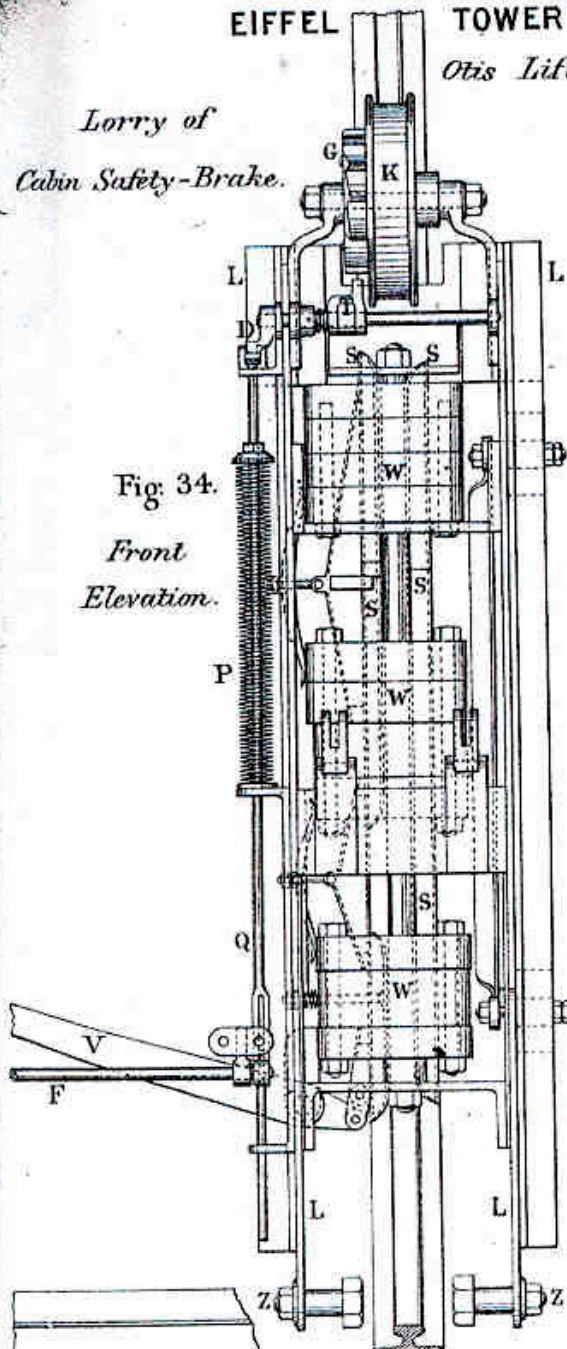
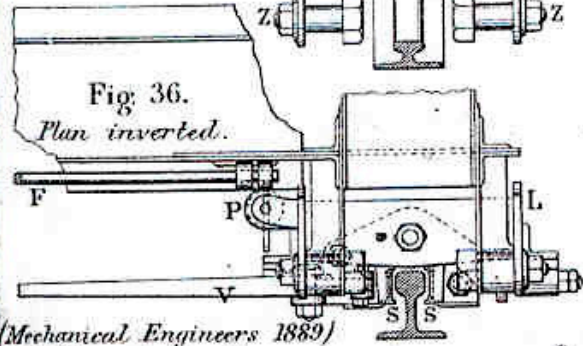


Fig. 35.
Side Elevation.

Fig. 36.
Plan inverted.



(Mechanical Engineers 1889)
Inches 12 6 0 1 2 3 4 Feet

Scale $\frac{1}{16}^{\text{th}}$

Feet

ELEVATORS

DEIFFEL TOWER LIFTS. Otis Lifts.

Plate 75.

Cabin Safety-Brake.

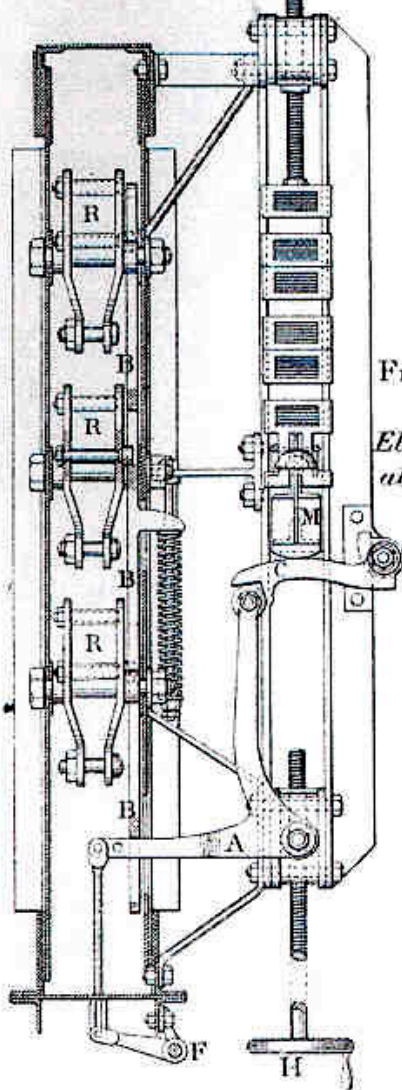


Fig. 37.
Side
Elevation
at centre.

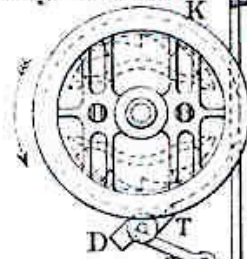


Fig. 38.

Scale $\frac{1}{16}^{\text{th}}$

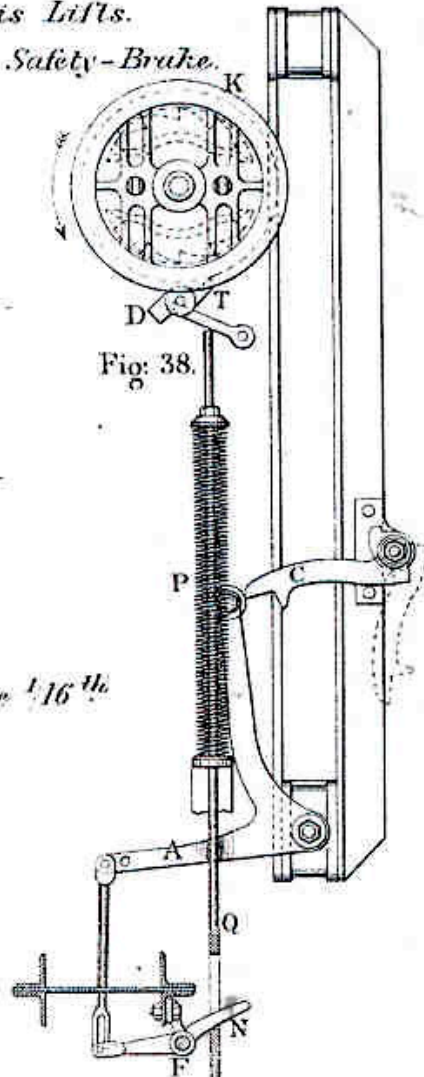
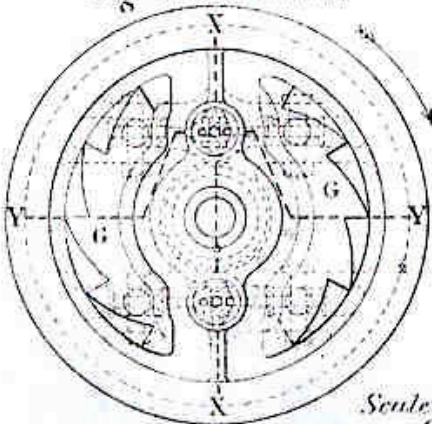
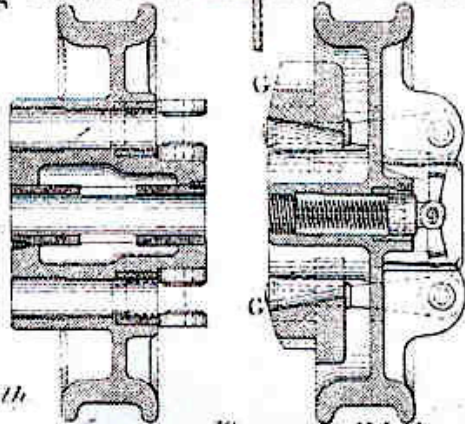


Fig. 41.
Section at XX. Section at YY.

Centrifugal Governor in Lorry Wheel.
Fig. 39. Elevation.



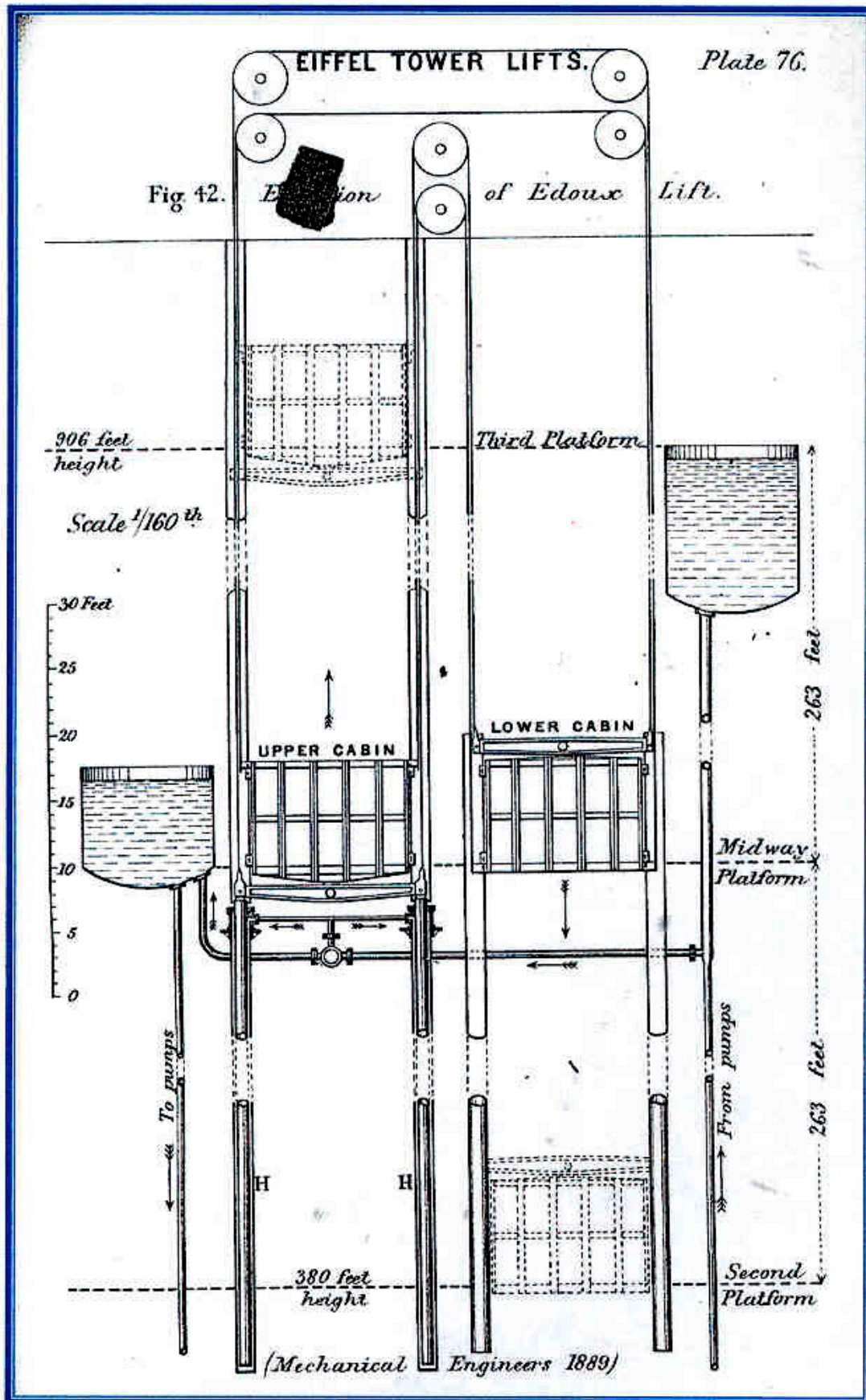
Scale $\frac{1}{8}^{\text{th}}$



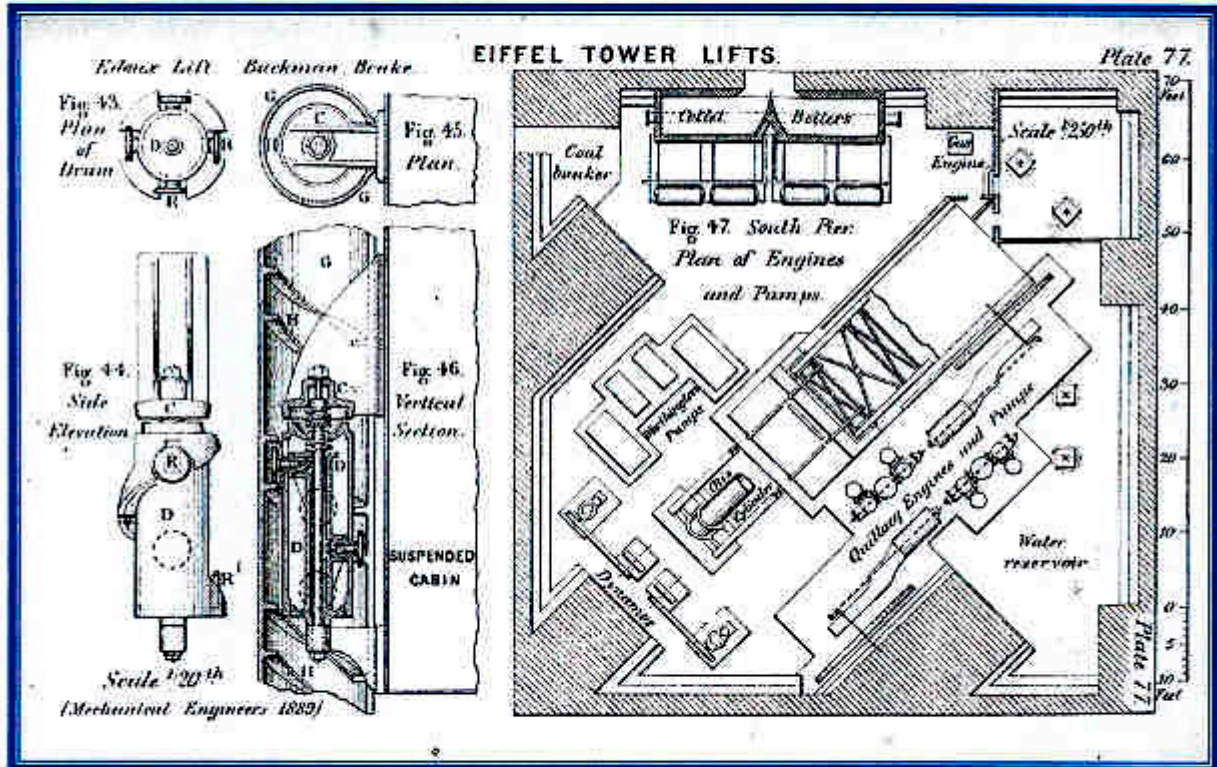
(Mechanical Engineers 1889)

0 5 10 15 inches.

ELEVATORS



ELEVATORS



ELEVATORS

