sions have made manifest the applicability of a particular equilibrium polygon among the infinite number which are due to a given set of weights, and which are all projections of any one of them, and the possibility of deriving from it in each of the structures treated, a complete and sufficiently exact solution.

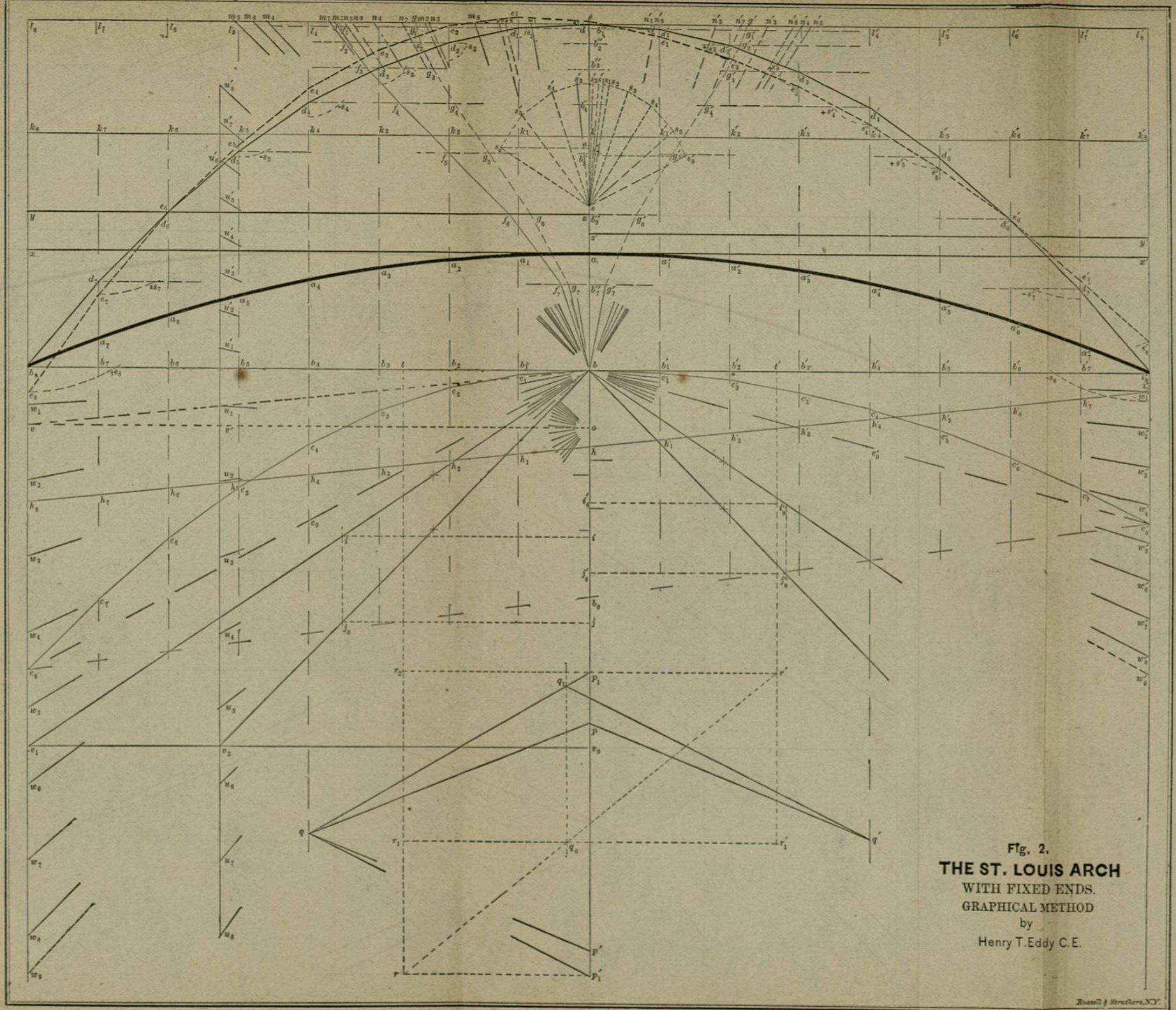


Fig. 2.

THE ST. LOUIS ARCH

WITH FIXED ENDS.

GRAPHICAL METHOD

by

Henry T. Eddy C.E.

Russell & Struthers, N.Y.

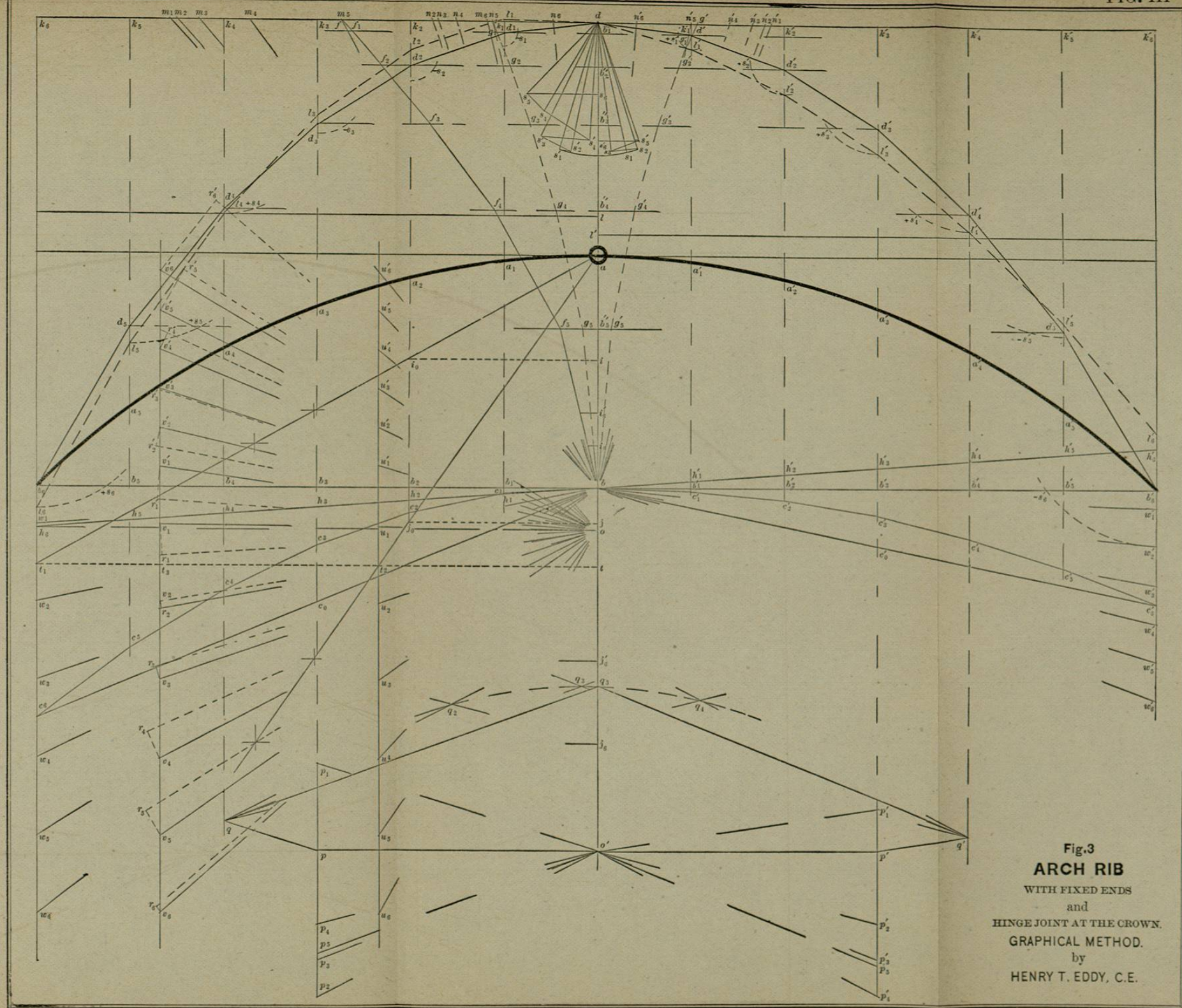


Fig.3

ARCH RIB

WITH FIXED ENDS

and

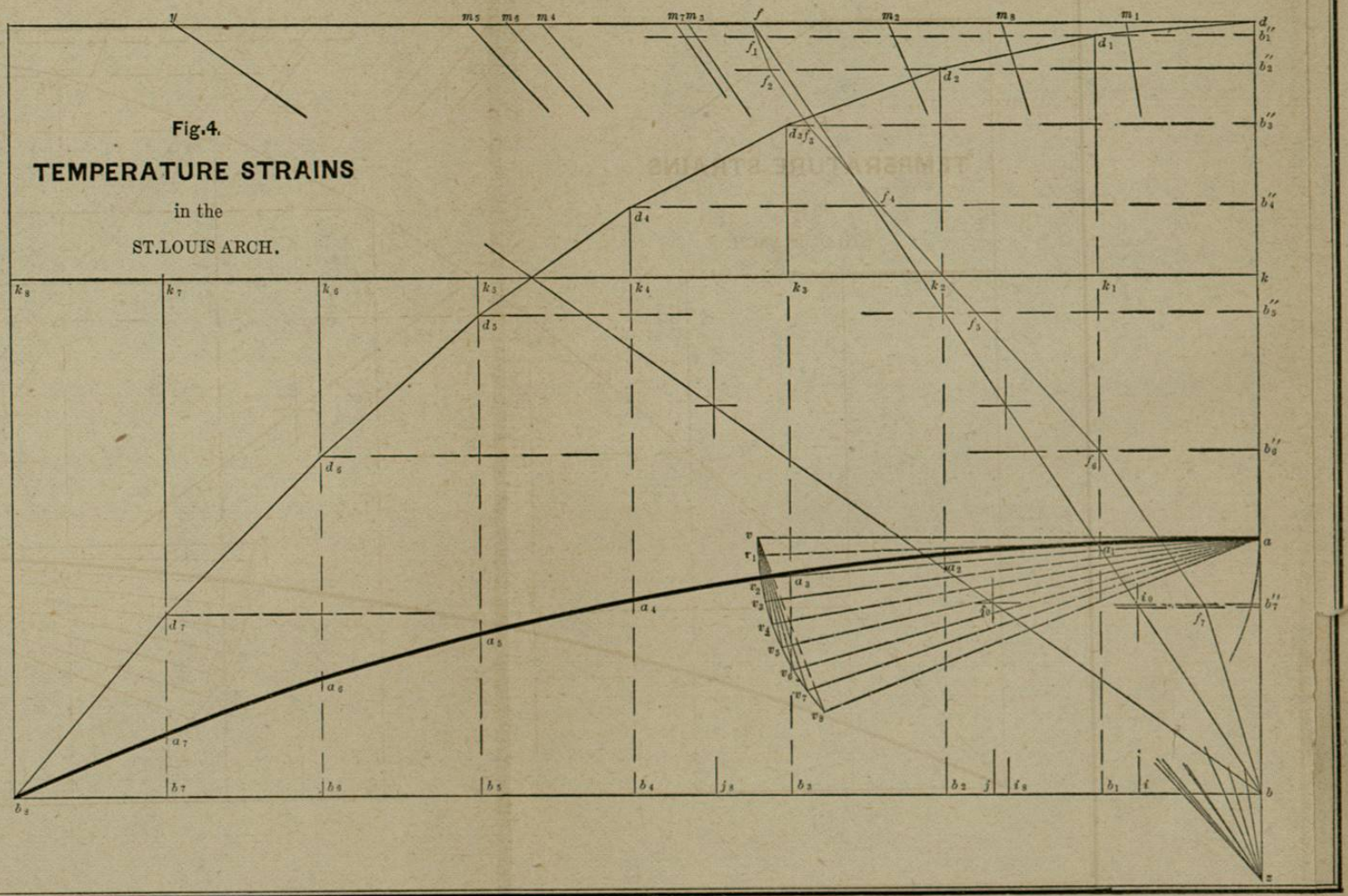
HINGE JOINT AT THE CROWN.

GRAPHICAL METHOD.

by

HENRY T. EDDY, C.E.

FIG. IV.



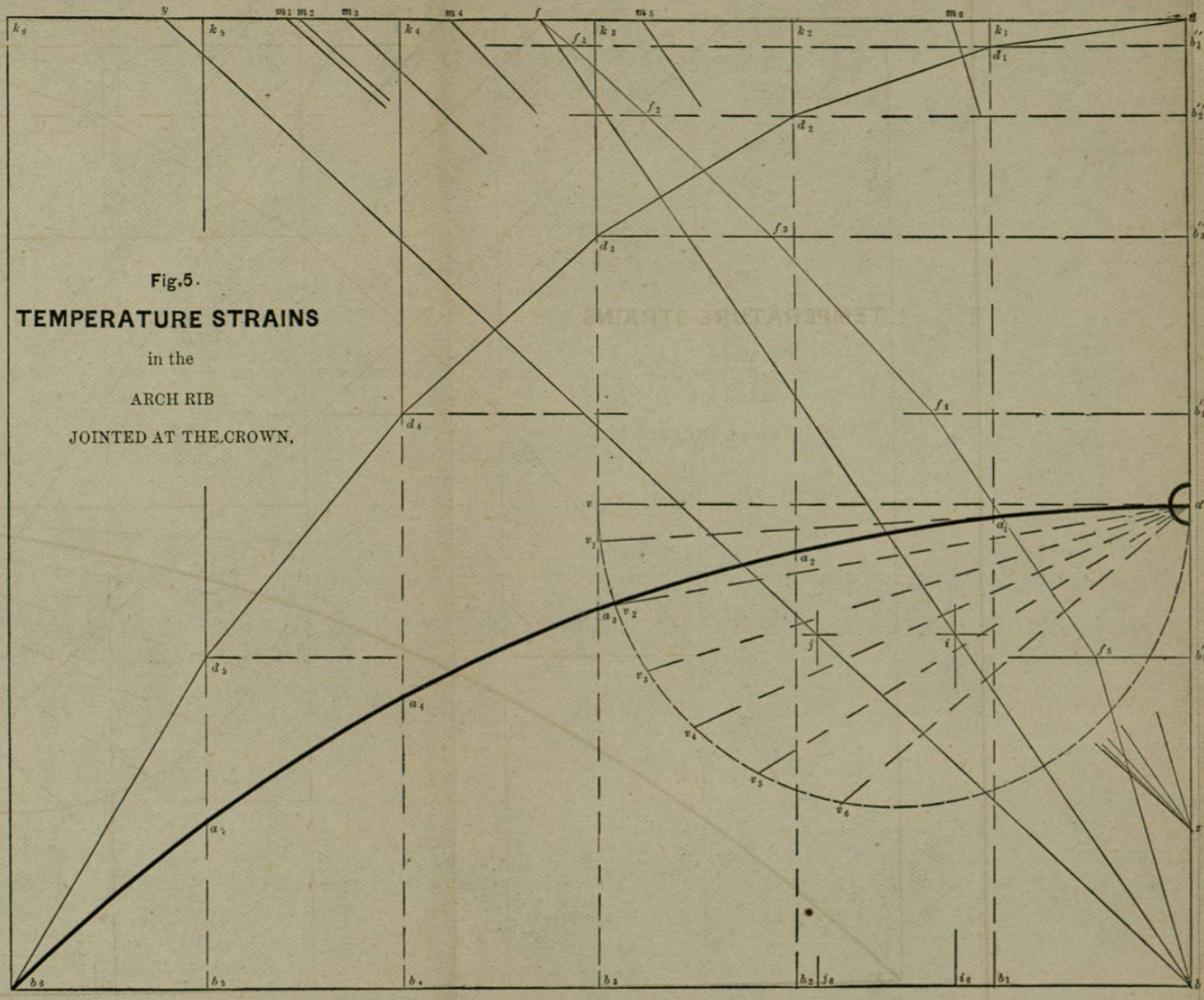


Fig.5.

TEMPERATURE STRAINS

in the

ARCH RIB

JOINTED AT THE CROWN.

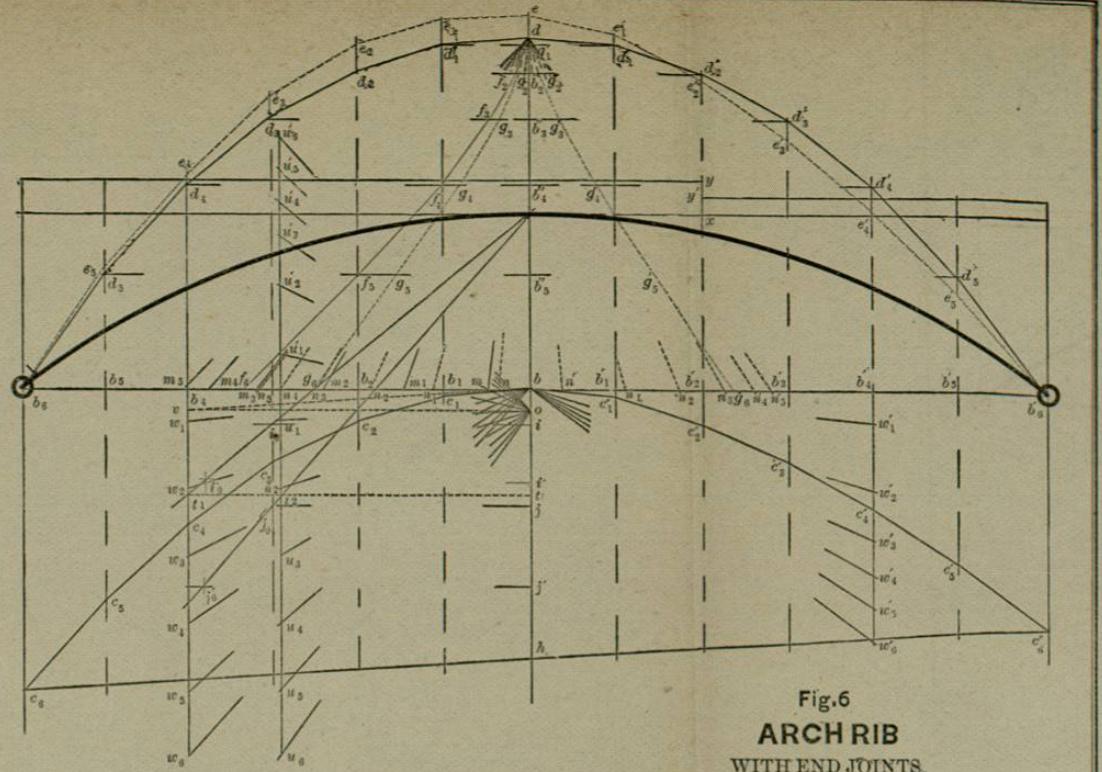


Fig.6
ARCH RIB
WITH END JOINTS.
GRAPHICAL METHOD.

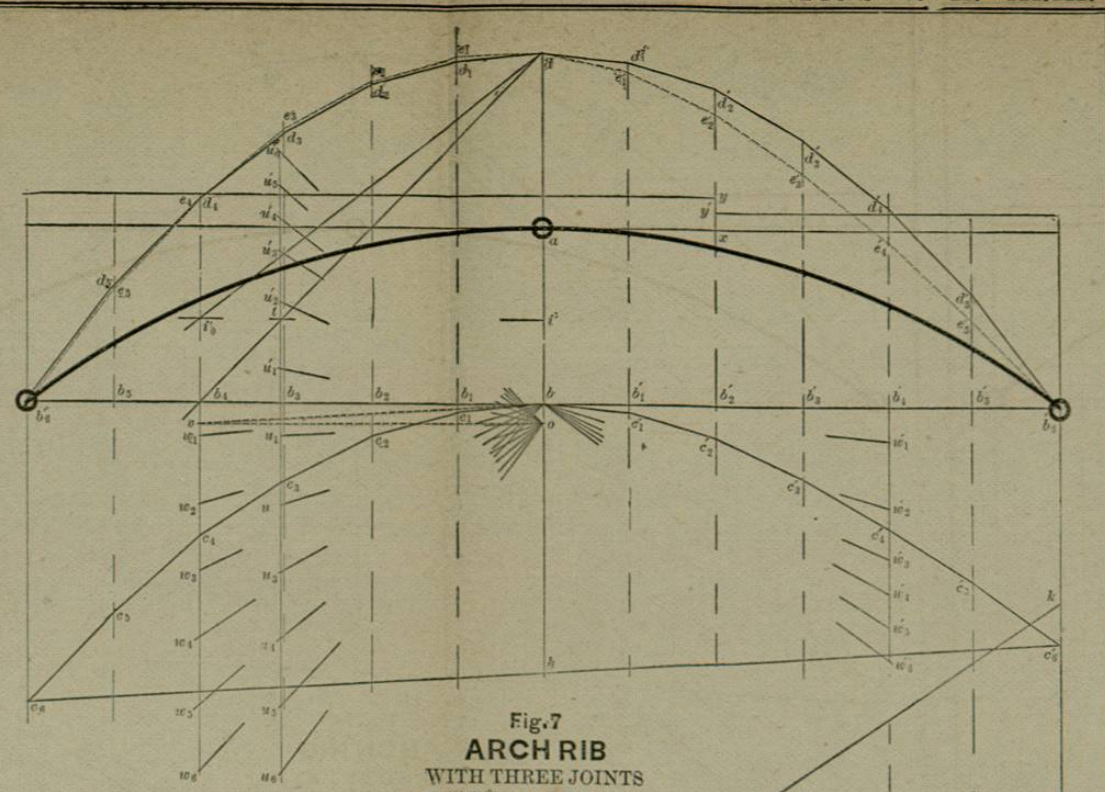


Fig.7
ARCH RIB
WITH THREE JOINTS
GRAPHICAL METHOD.

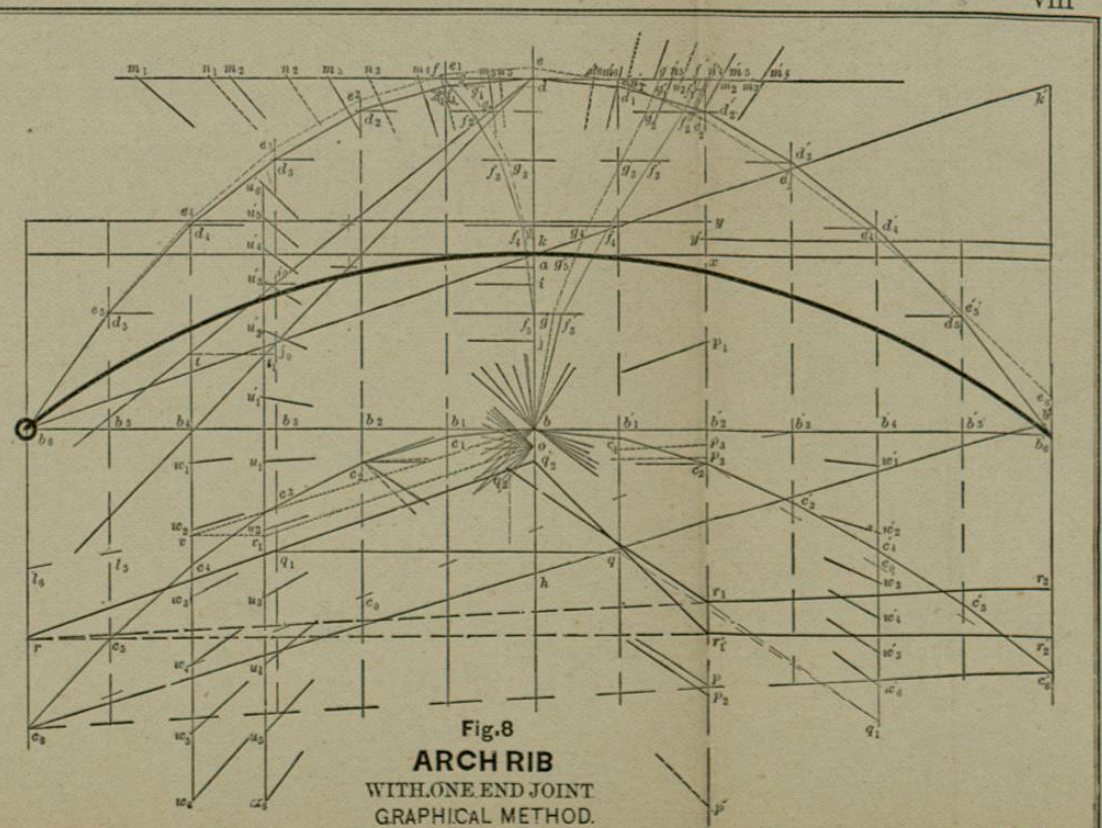


Fig.8
ARCH RIB
WITH ONE END JOINT
GRAPHICAL METHOD.

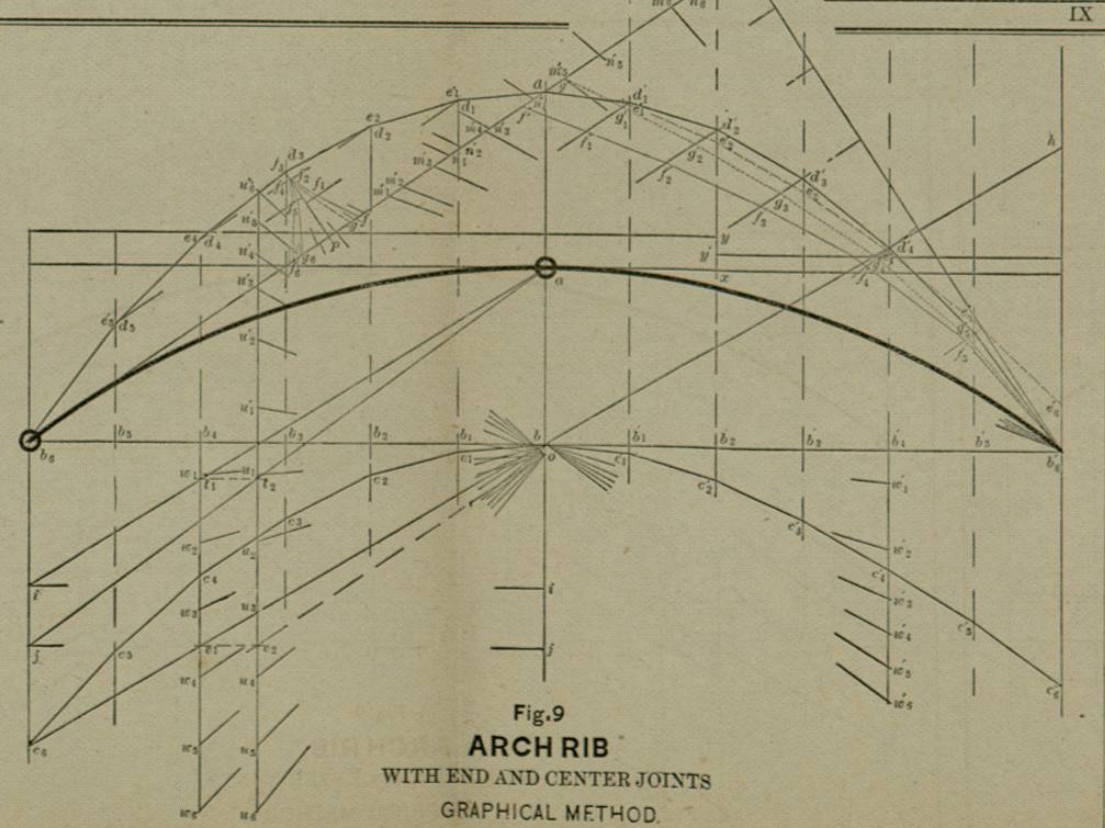


Fig.9
ARCH RIB
WITH END AND CENTER JOINTS
GRAPHICAL METHOD.