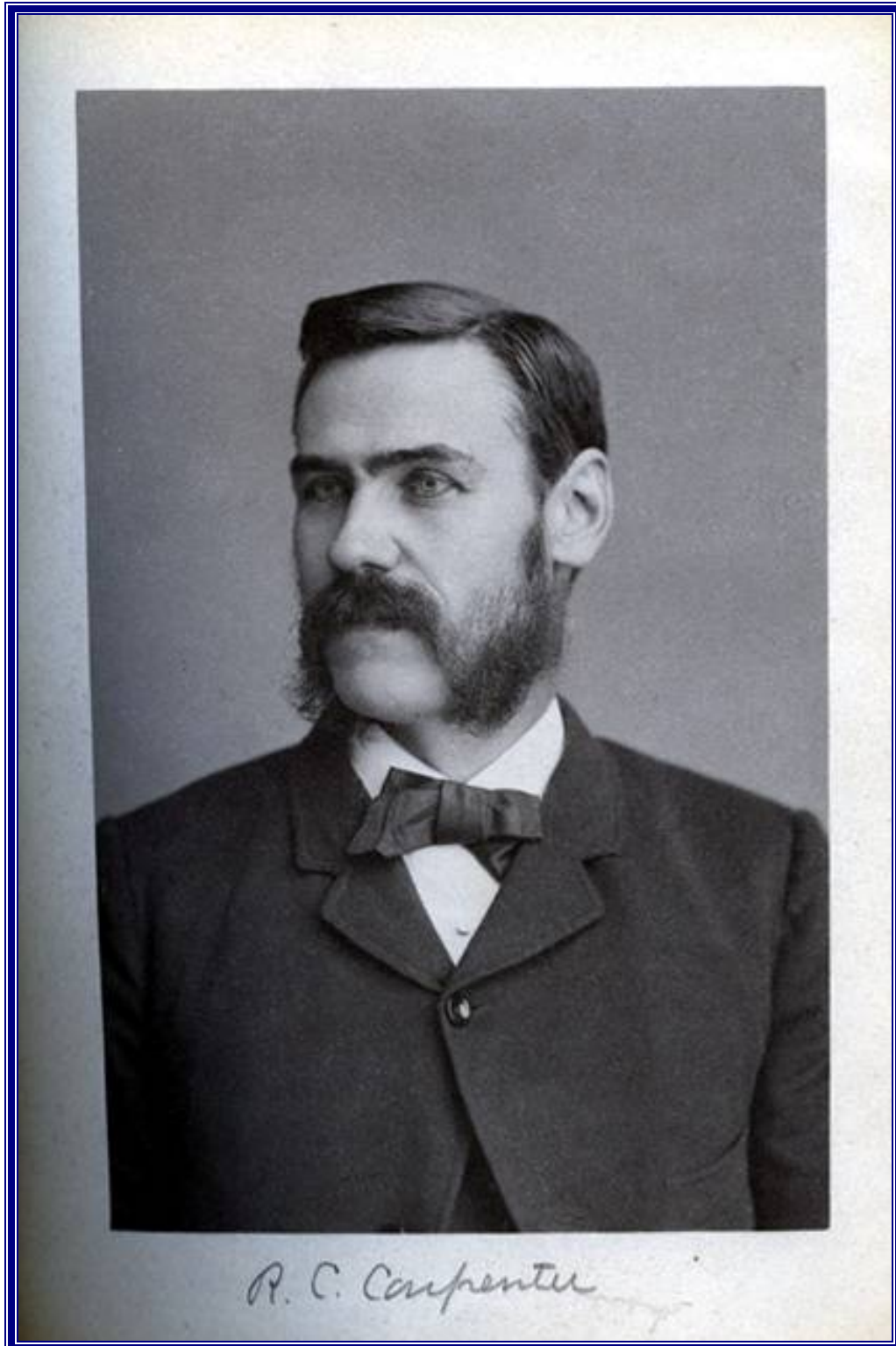


ROLLA C CARPENTER

By EurIng Brian Roberts, CIBSE Heritage Group



Rolla Clinton Carpenter, 1852-1919: 3rd President ASHVE 1896

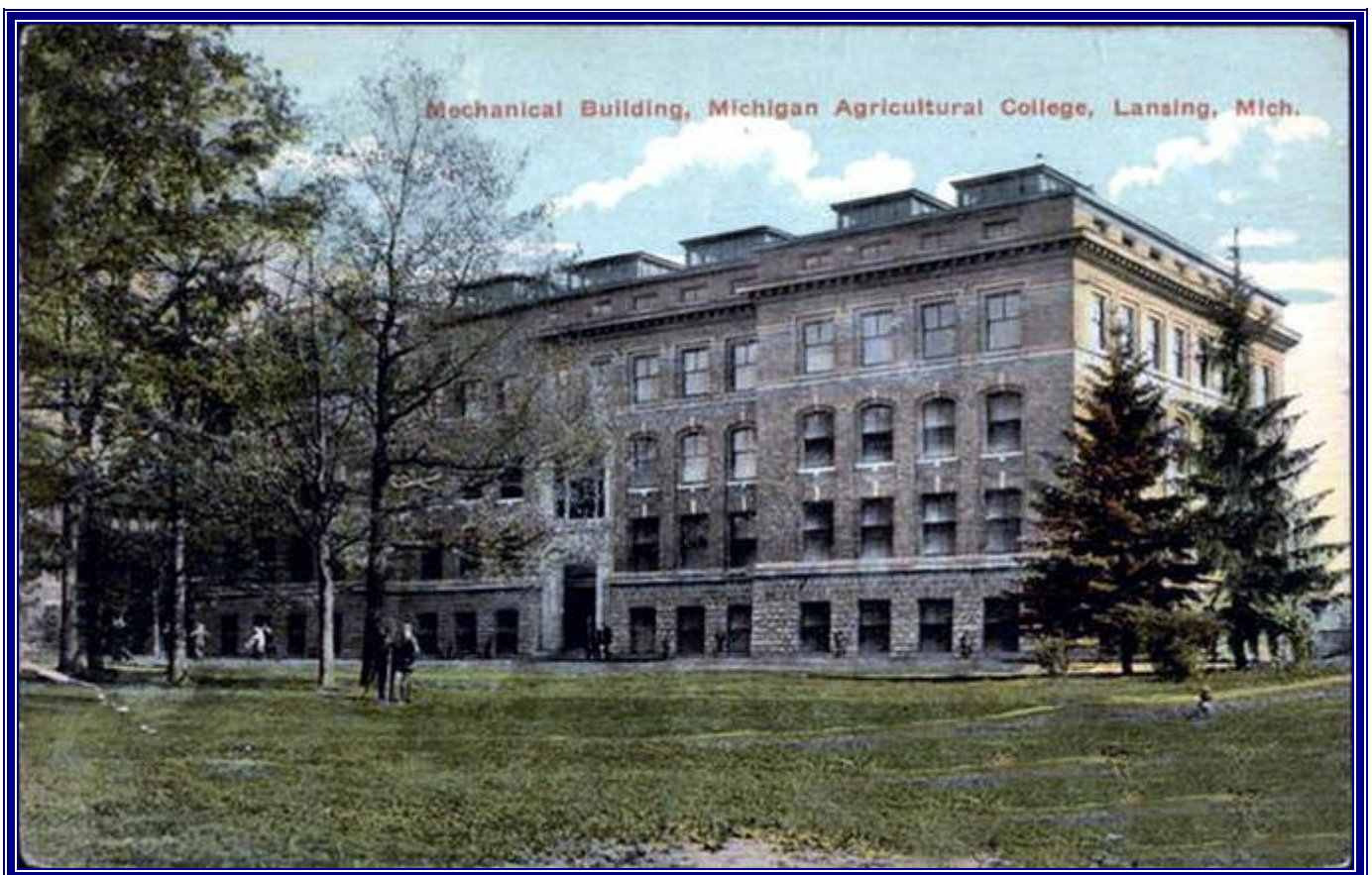
Rollo Carpenter was born on 26 June 1852 in Orion, Michigan. In 1873, he earned his Bachelor of Science Degree from Michigan State Agricultural College and later, in 1875, he received Additional Bachelor's and Master's Degrees from the University of Michigan. From 1875 to 1890 he was Professor of Mathematics & Civil Engineering in the State Agricultural College and while there he designed and supervised much of the construction at the young school. In 1887, he and Professor William J Beale laid out Collegeville, the first neighbourhood in what later became the city of East Lansing, Michigan.

In 1890, he was appointed to a position at Cornell University where, later, he may have known the young Willis Carrier. Carpenter served as a Judge of Machinery & Transportation at the World's Columbian Exposition held in Chicago in 1898. He wrote numerous scientific papers including in 1891: *Heating and Ventilating Buildings: A Manual for Heating Engineers and Architects*. This was first published as a textbook in 1895 and continued until at least 1910 when a 5th enlarged edition was printed. He was awarded an Honorary Doctorate of Laws by the Michigan State University in 1907.

In 1896, Rollo C Carpenter was elected as the 3rd President of the newly formed ASHVE. An abstract from his Presidential Address reads:

Our Engineering Society...has doubtless prospered and can certainly be recognised as one of the great engineering societies of this country. It has established a strong foundation for a broad and noble society and is now in position to commence active work for the benefit of the art and science of heating and ventilating, and it should have and doubtless will have the confidence and support of every desirable person engaged in this work in this country.
[ASHVE Transactions, 1897]

Rolla Carpenter was also a Charter Member of the ASRE in 1904. He died in 1919.



Mechanical Building, Michigan Agricultural College, Lansing, Michigan

Heating AND Ventilation

NEW YORK.

(Copyright, 1890.)

AUGUST, 1899.

(All rights reserved.)

CHICAGO.

The American Society of Heating and Ventilating Engineers.

Summer Meeting, A. S. H. V. E.

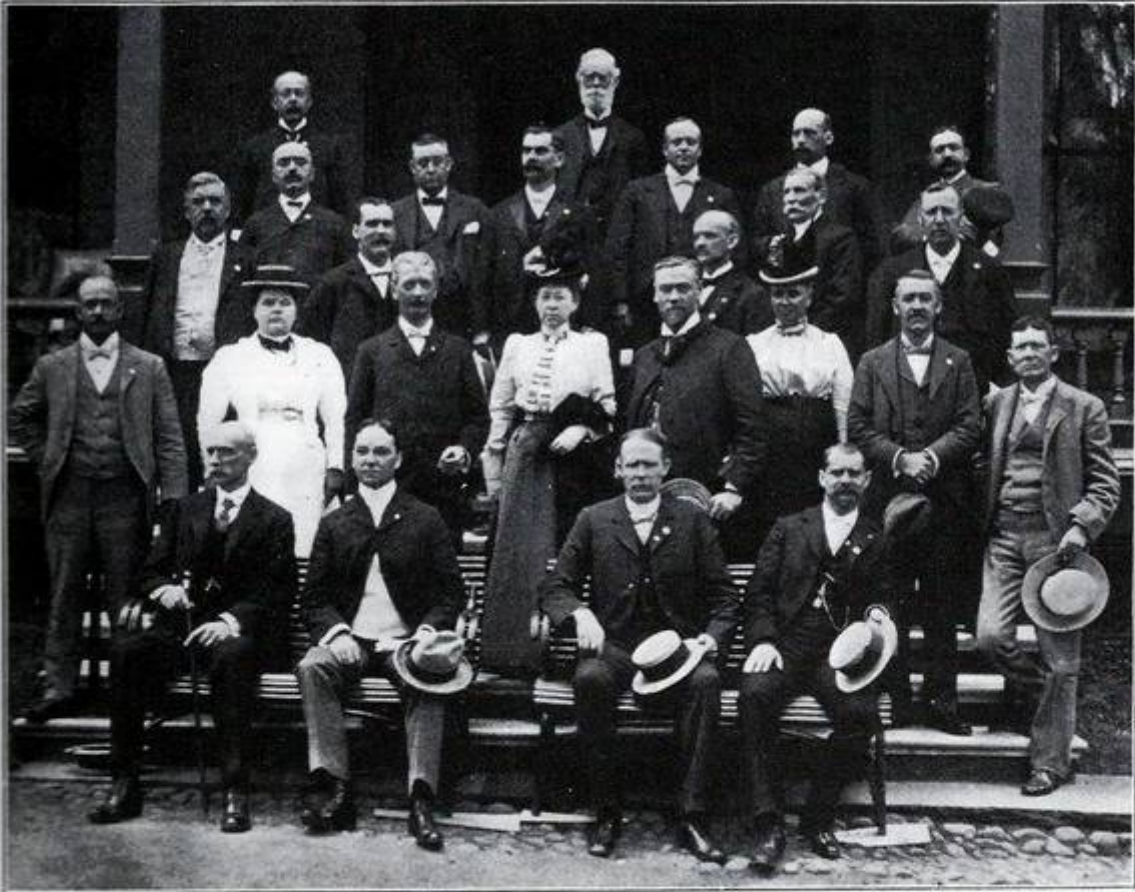
The summer meeting of the American Society of Heating and Ventilating Engineers at Saratoga, July 21 and 22, was duly noticed in our July number, wherein we printed the pa-

this meeting, but at the last moment his calculations were upset.

The secretary announced that at a meeting of the council held June 16, twelve members were elected, whose names were published in HEATING AND VENTILATION for June.

by Mr. McMannis, the reading of the minutes was dispensed with; also the regular order of business customary at the annual meeting.

The first paper read was that by Herman Eisert on "The Calculation of Centrifugal Fans for Ventilating



A GROUP OF MEMBERS AND VISITORS AT THE SUMMER MEETING, A. S. H. V. E.

pers read before the meeting. At the opening the secretary read a letter from President Henry Adams expressing his regret at his inability to be present on account of imperative business engagements; that he had tried for three months to be present at

On motion of Prof. Carpenter, seconded by Mr. James Mackay, it was "resolved that the by-laws be suspended and all business at this meeting be subject to the approval of the society."

On motion of Mr. Wolfe, seconded

Purposes," which was fully reported in HEATING AND VENTILATION last month.

The paper was discussed as follows:

Prof. Carpenter—Mr. Eisert makes a statement which, it seems to me, should be substantiated by considerable data, a-

The ASHVE Summer Meeting at Saratoga in 1899
Carpenter is standing 3rd row centre, behind a lady



Cornell University Campus in 1902



Cast-Iron radiators: frontispiece from the 1910 edition of Carpenter's H&V textbook

HEATING AND VENTILATING BUILDINGS.

*A MANUAL FOR HEATING ENGINEERS AND
ARCHITECTS.*

BY

ROLLA C. CARPENTER, M.S., C.E., M.M.E., L.L.D.

PROFESSOR EXPERIMENTAL ENGINEERING, CORNELL UNIVERSITY.

*Past President American Society Heating and Ventilating Engineers;
Member American Society Mechanical Engineers.*

FIFTH EDITION, REVISED AND ENLARGED.

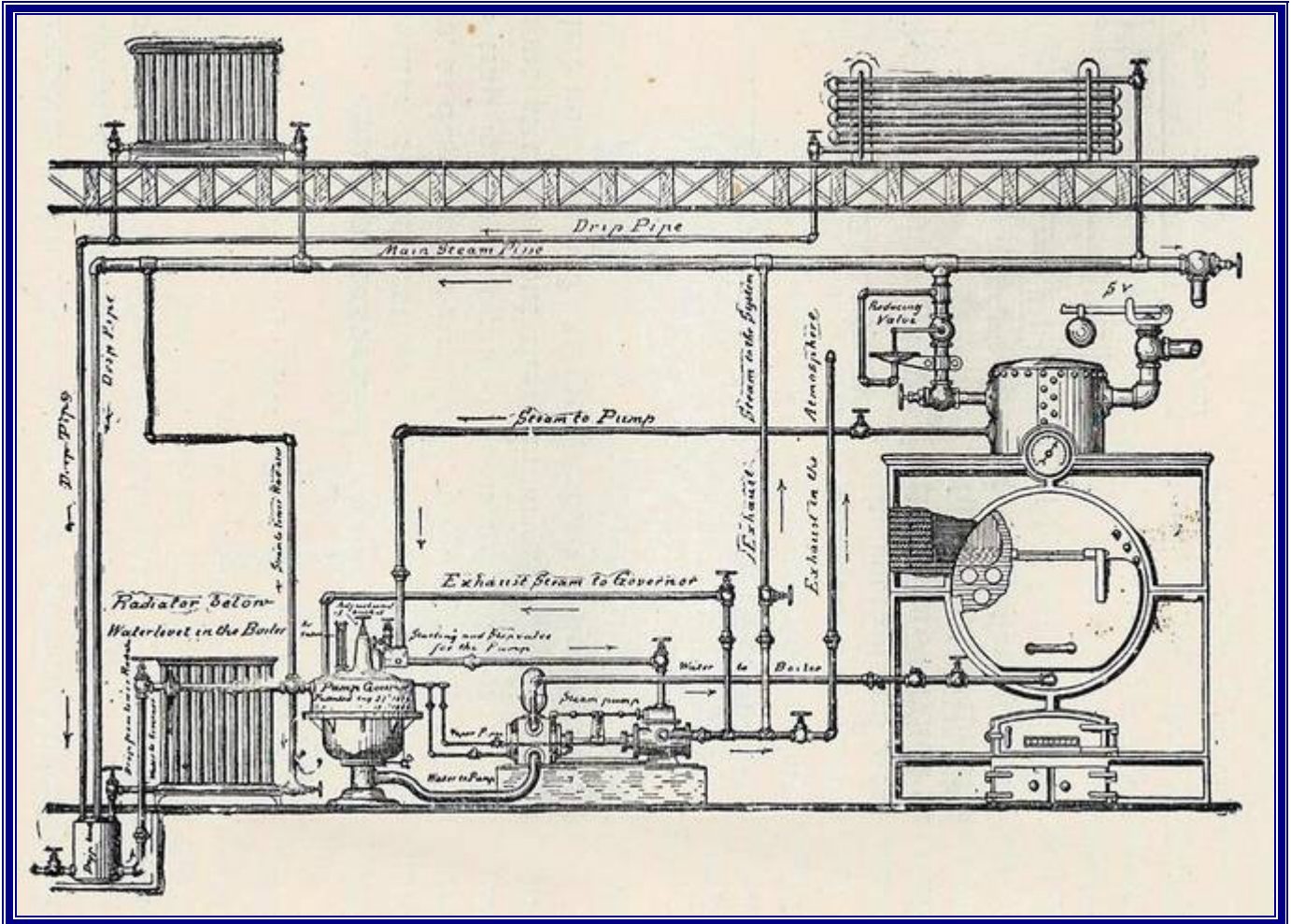
TOTAL ISSUE TEN THOUSAND.

NEW YORK:

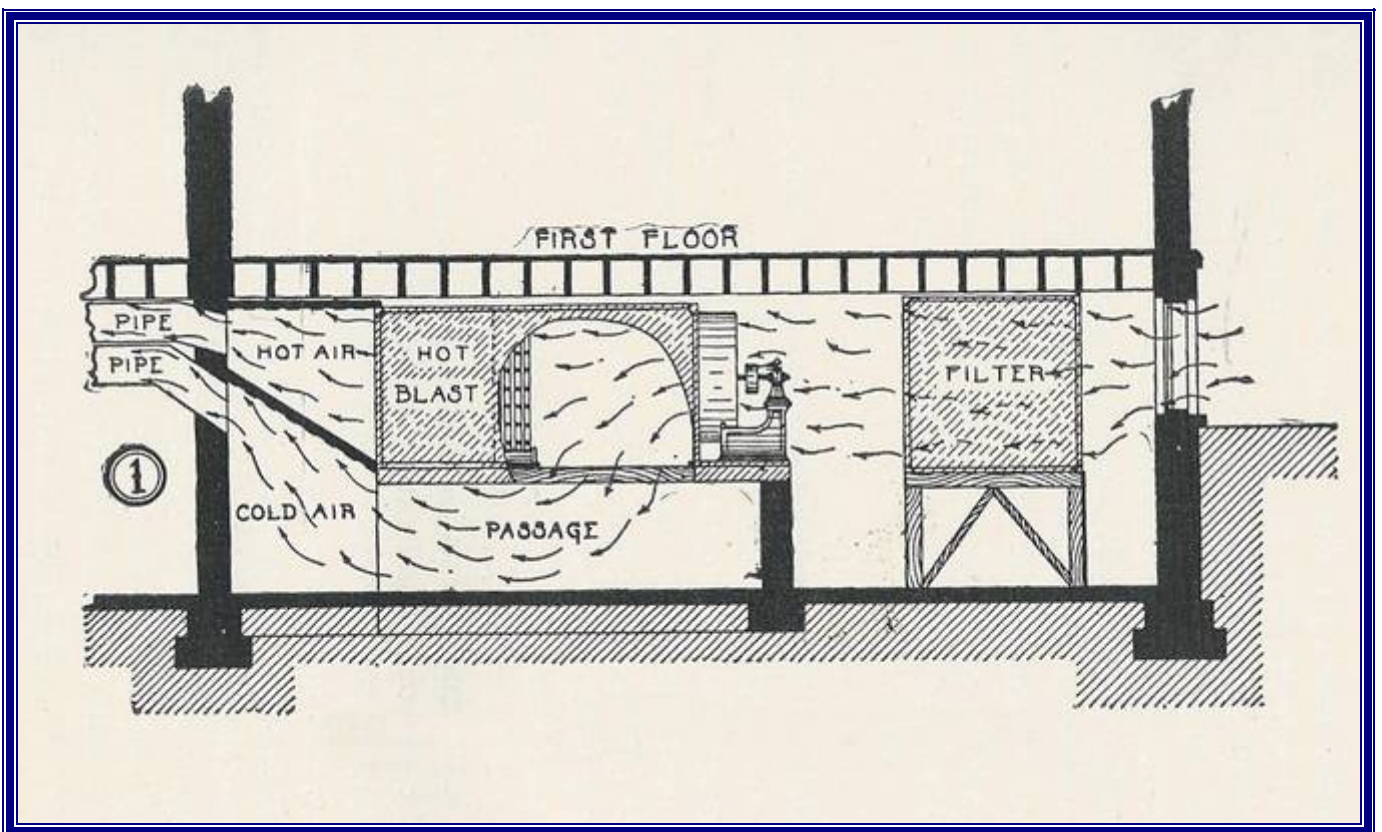
JOHN WILEY & SONS.

LONDON: CHAPMAN & HALL, LIMITED.

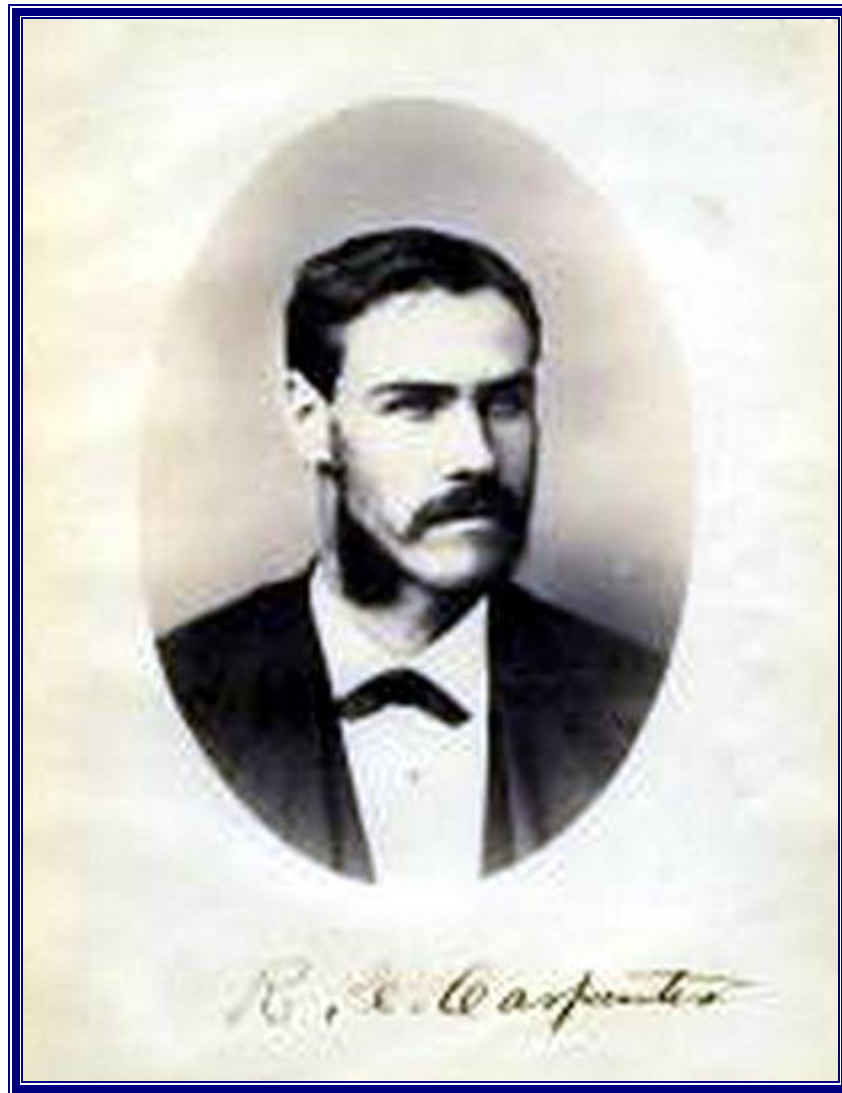
1910



Combined High- and Low-Pressure Steam Systems (from Carpenter)



Arrangement of Blower and Heater in a Mechanical Ventilating System (from Carpenter)



Rolla Clinton Carpenter

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