Chicago, Bird’s-Eye view, 1893.

The Story of Comfort Air Conditioning
An Introductory Essay
The Evolution of Office Buildings and Air Conditioning

Illustrations E.1-E.20
E.1 View of Cairo from the Citadel, Daguerreotype of 1845. Roof triangular shaped wind-catchers can be seen, most clearly in the right foreground (in front of the mosque).
E.2 House balcony in Cairo, 1878.  
The wooden lattice-work provides shade and ventilation.
E.3 Ventilating screens and balconies, Cairo. The projecting balconies often hold porous earthenware vessels to give a measure of evaporative cooling.
E.4 Screened balconies and roof wind-scoops on the banks of the Nile.

E.5 Wind-tower, characteristic of Iran and the Gulf, having vertical openings in all directions forcing air down into Room A before it rises and escapes. Room B would typically be used in winter.
E.6 Wind-towers in Iran used to ventilate houses and cool underground cisterns. The domed brick structure is the roof of such a cistern.

E.7 Sketch of an Egyptian three-storey town house (New Kingdom, XVIIIth Dynasty, from the tomb of Tutnefer). The private apartments on the first floor and the offices on the second floor had ducts built into the ceilings to promote air circulation.
E.8 Slave-powered air cooling using cakes of snow, Baghdad, c.775.
E.9 Woodcut showing a variety of ventilating devices, Germany, 1556.

E.10 Fanning wheel of Dr Desaguliers, 1735. Installed in the House of Commons, where the term “ventilator” was used to describe the man employed to turn the crank handle of the fan.
E.12 Heating and ventilating scheme for Pentonville Prison, 1840.
E.13 Heating and ventilating scheme for the Peublo Opera House, Colorado, 1891.
E.14 Shaler’s patent cooler for ventilating air, 1865.

E.15 Ice-bunker plant producing chilled water for air conditioning, 1934.
E.16 Royal Victoria Hospital, Belfast, 1898-1903.
Provided with a heating and ventilating system with some humidity control.

E.19 A ventilating fireplace, 1882.

E.20 Otis double screw electric passenger elevator, 1890's.