

THE GROWING "FIREPLACE"

The modernization of the fireplace reveals two radically opposing tendencies: as its functions disintegrate into multiple devices (oven, TV...), its warming function is centralized and systematized. The energy required for both is exiled further and further from the home, culminating in the nuclear power plant.



Fireplace for 1.

FIRE

HYPOCAUST

FIREPLACE

KANG

ONDOL

CHIMNEY

Thermal Space

BC-1500

Newtonian

1500-1776

With larger spaces enclosed by architecture, and higher expectations of thermal homogeneity, the fireplace evolves from temporary bonfire to building-wide HVAC system...

ca. 1.5 million BC
Fire

10,000 BC
Primitive hut

Central chimney

1140
Sidewall chimney

Parti wall

1408





Fireplace for 5,000,000.

VENTILATING
FIREPLACE

La Mécanique du Feu

COOKSTOVE

IRON PIPE

HOT AIR

STEAM

MECHANICAL VENTILATION

DISTRICT HEATING
GAS RANGE

CONVECTIVE HEATING

METAL DUCTS

DOMESTICATION OF ELECTRICITY

HYDRONICS

HEATING ELECTRIC RANGE

RADIO

FORCED AIR HEATING

TOASTER OVEN

TELEVISION

MICROWAVE OVEN

ELECTRONIC FIREPLACE

NUCLEAR

HYDRO-ELECTRIC

NATURAL GAS

OIL

COAL

WOOD

Terra joules

Thermodynamic Engine

Energy Network

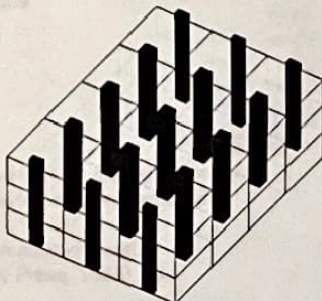
1770-1885

1885-

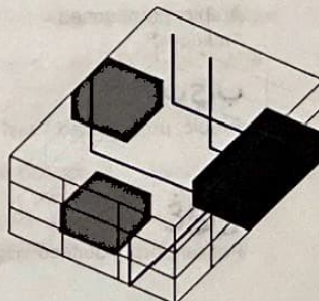
1500
Parti wall - stacked



1700
Chimney stacks



1820
Mechanical room



1920
Mechanical floor



1409