

Colonists used large open fireplaces to heat their homes and cook their food. Fireplaces were not only dangerous; much of the heat drifted uselessly out the chimney. Franklin

In 1744

designed ~~a more efficient~~ <sup>and manufactured</sup> iron stove. The stove pulled in cold air, heated it, then instead

of floating upward, the heat moved around chambers in the stove radiating heat back into the room. ~~The stove could also be placed out in the room instead of against one wall like~~

a fireplace. The stove's door could be opened to enjoy the fire.

Franklin did not apply for a patent on his invention. He believed ~~the benefits of~~ any invention dreamed up in the human imagination did not belong to only one person.

"we should be glad of the benefits of any opp. to serve others by any invention of ours & this we should do freely & generously."

Franklin's stove did not work quite as well as he'd hoped and eventually fell out of favor.

~~Today's version of a "Franklin Stove" is related to Ben in name only, not in design.~~

[end sidebar]

To make Philadelphia's streets safer, Franklin proposed ~~a system to pay~~ <sup>full time</sup> professional night watchmen.

In 1752 Philadelphia <sup>is govt</sup> finally adopted Franklin's night watch plan. ~~Franklin drew up plans and raised money for establishing a school that eventually~~

became the University of Pennsylvania. ~~He helped raise money from private donors and~~ <sup>For years he dreamed of estab a school that</sup> the legislature to ~~open~~ <sup>found</sup> Pennsylvania Hospital that treated the city's poor for free.

convinced other shopkeepers that Philadelphia's filthy streets—piled with garbage,

manure and dirt-- hurt business. He submitted a plan where everyone paid a little to hire

workers to clean the streets. ~~He next proposed that city streets, muddy swamps when it~~

rained and ~~choking~~ <sup>ed</sup> with dust when dry, be paved

Everyone seemed pleased with the results and "more willing to submit to a Tax for that purpose," Franklin noted.

~~The Age of Enlightenment~~

He also designed to top off the improvements. ~~He~~ <sup>New</sup> street lamps. ~~the glass that~~ <sup>kept</sup> ~~darkening~~ <sup>free of</sup> smoke smudges. F. felt these changes, though small, contributed to peoples' happiness.

starting on his own block first  
Jan 1751  
14 yrs later it became known as the U of Pa.

Moved

open to any willing yg man not just the sons of the elite.

Studying weather 133-

"Tolerant Light is"