

one, that he might bring warm water to keep his machinery free from ice during the winter. Not only did he succeed in this object, but by conducting the water in open pipes through his whole establishment, it gave off heat enough to render fires unnecessary. Is not here an inexhaustible source of heat accessible to human industry and ingenuity?

In my view, the most interesting thought connected with anticipated improvements in science and art, is the large amount of leisure which will be thereby afforded to the great mass of mankind for intellectual and moral improvement. But I do not believe that Providence will allow these discoveries to come out fully till men learn how to improve that leisure aright. For if they only foster idleness, they will prove a greater curse than a blessing.

But I forbear, lest I should seem to be venturing too far into the regions of the uncertain and the fanciful.

I have now presented before you specimens, selected from the different sciences, of the wonders which they can offer to the youthful mind, as a substitute for the wonders of romance. And can I doubt what will be the choice of every noble and ingenuous soul? Does it need any analysis of the labors of the most celebrated writers of fiction to make every one feel how infinitely superior is nature to all their fancies? And science is the history of nature — the history of the works of the Deity. And shall the inventions of man come into competition with the inventions of the Deity?

“O Nature! how in every charm supreme!  
Whose votaries feast on raptures ever new!  
O for the fire and voice of seraphim,  
To sing thy glories with devotion due!”

It has not been my intention to make this audience ac-