

the practical industrial application of atomic energy, just as soon as effective and enforceable safeguards against its use for destructive purposes could be devised.

Atomic Energy and the Arts of Peace.

The attention which has so far been directed to the strictly war aspects of atomic energy - that is, to the atomic bomb - should not be allowed to obscure the immense possibilities of development of atomic energy for the arts of peace. The atomic bomb is a weapon of destruction unsurpassed in human experience. But the energy locked up inside the atom, controlled and directed to useful and constructive ends, may make it possible to provide goods and services for people throughout the world on a scale which we cannot now envisage. It may be the means of raising the standard of living; of providing physical comfort against hazards of weather and extremes of heat and cold. It may revolutionize some present-day means of transport and communication, making all countries of the world near neighbours in a more immediate sense than has been made possible even by the development of air transport.

It must never be forgotten, however, that the use of atomic energy for peaceful purposes cannot be developed without at the same time producing the very material which is used in a bomb.