

TECHNOLOGICAL CONTRIBUTIONS OF HAM

Mechanical Principles & Applications

Block and Tackle
Domes and Arches; Suspension bridges
Lock, gates, and lifts
Fire Pistons
Gears, Chain drives
Lathes
Pulleys, Catapults
Clockwork

Materials

Bellows Systems
Glass, Iron, Pottery, China and Porcelain
Cast Iron, Steel
Cement, Glues, and Preservatives
Dyes and Inks, Shellacs, Varnishes and Enamels
Rubber, Case Hardening

Building Techniques, Tools and Materials

Nails, Saws, Hammers, Drills
Doors Hinges and Locks
Brace and Bit
Street Drainage Systems
Sandpaper
Running Water in Piped Systems
Piped Gas for Heating
Stoves, Central Heating Systems

Fabrics and Weaving, etc.

Linen, Cotton, Tapestry
Silk, Wool, Felt, Lace, Voile
Needles, Thimbles
Netting, Gauze
Dyes of all kinds

Writing, Printing, etc.

Inks, Chalks, Pencils and Crayons
Block Printing, Movable Type
All kinds of Paper

Foods

Tomato, Pears, Potato, Beans
Pineapple, Prickly Pear, Squash, Corn
Coffee, Tea, Strawberries

Travel and Navigation

Skis, Rudder, Toboggans
Snowshoes, Wheeled Vehicles
Surfaced Roads – Asphaltic Concrete

Mathematics

Geometry, Logarithms, Trigonometry
Concept of Zero, Algebra

Medical and Surgical

Anesthetics, Inhalators, Splints, Tourniquet
Surgical Stitching, Vaccine for Smallpox
Cascara & other Cathartics, Emetics

Household Furnishing

Gas Cookers, Fans, Lamps
Running Water, Oil Stoves, Space Heaters

Warfare

Bows & Crossbows, Rifled Weapons
Guided Missiles, Body Armor
Gun Powder

Miscellaneous

Umbrellas
Safety Pins
Drinking Straws
Spectacles
Calendars