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The young man's book of amusement

Halifax, 1848

To produce great Heat by presenting two Solids to each other

[urn:nbn:de:bsz:31-100120](https://nbn-resolving.org/urn:nbn:de:bsz:31-100120)

water will run through the bottom, and make him completely wet.

To produce great Heat by presenting two Solids to each other.

Take a crystal or two of the nitrate of copper, and bruise them, then moisten them with water, and roll them up quickly in a piece of tin-foil, and in half a minute, or little more, the tin-foil will begin to smoke, and soon after take fire and explode with a slight noise. Except the crystals of the nitrate of copper are moistened, no heat will be produced.

A Powder which catches Fire when exposed to the Air.

Put three ounces of rock alum, and one ounce of honey or sugar, into a new earthen dish, glazed, and which is capable of standing a strong heat; keep the mixture over the fire, stirring it continually till it becomes very dry and hard: then remove it from the fire, and pound it to a coarse powder. Put this powder into a long-necked bottle, leaving a part of the vessel empty: and having placed it in a crucible, fill up the crucible with fine sand, and surround it with burning coals. When the bottle has been kept at a red heat for about seven or eight minutes, and no more vapour issues from it, remove it from the fire, then