ated, and much of it escapes. In the process by fermentation, the conversion of jelly cup does not prevent mould, but a the starch soes on successively. Baking lump of paraffine dropped in the tumbler powder is made of cream tartar, bicarb. of while it is still hot enough to melt the soda and rice flour. If the ingredients are paraffine and form a film over the top will all strictly pure, the following formula will prevent it. This is a very useful and be correct: Thirty-one parts of soda, 69 cleanly article. parts cream tartas, 10 parts rice flour. are not always pure. An analysis is gen- pectose, which, when heated, will solidify erally necessary to determine how much on cooling. If the fruit goes on ripening weaker they are than the pure article. Buy baking powder of responsible dealers and of a well-known brand. Never take then, be "dead ripe," but just approaching chances in teasets if you want a good article.

Too much soda is generally used. One cream tartar or sour milk, will be enough. glucose in sugar were given. Plunging the soda into sour milk and then stirring in the cap for five minutes before to work at it, and protection from them putting it in the flour, as is often done, causes about half of the carbonic acid gas cluding it from the air in which the bacteria to escape, thus losing the very thing that the soda is used to produce.

or other foods is to keep them away from it; brine around it will. those little atoms called bacteria. are little, but mighty in numbers and in- is never found, except where the butter is bacteria will preserve food. A piece of is caused by bacteria germs, coming always beef treated to the fumes of burning sul- from the atmosphere. phur will keep two weeks longer than one not so treated.

The lumps in jelly are glucose. This is made when acid fruit is boiled with sugar. The lumps when washed are found to be like the sugar found on the exterior of good raisins, and hence called "grape sugar" or "glucose." It is only twofifths as sweet as the original sugar. The ating the movement of the heart. waste caused by its manufacture may be avoided by adding the sugar to the juice when the cooking process is about completed, and the juice ready to remove from the fire.

The piece of paper put on top of the

Fruit that will not jelly is too ripe. But these articles as sold at drug stores Just ripening it contains a substance called the pectose is changed to pectin, which will not make jelly. Fruit for jelly must not, ripeness.

The chemical process by which grease small teaspoonful of it to the quart of and lye are converted into soap was exflour, if it is skillfully neutralized with plained, and also the tests for detecting

Butter gets "strong" when bacteria gets This may be done by exkeeps it sweet. float. Sealing the butter in tight jars or immersing it in strong brine will do it. The only thing to do to preserve fruits Salt on the top of butter will not protect

> Butyric acid, which means strong butter, Anything that will destroy exposed to some ferment, and this ferment

> > A VACATION FROM TOBACCO.-The Pittsburgh Dispatch speaks of a distinguished physician who abstains from smoking every October, in order to givehis system thirty days' recuperation every year from the effects of tobacco in accelerfinds this acceleration very marked by the end of September. His October abstinence causes the heart to return to normal action; and on the first of November he commences another year's course of smoking.