

Science Notes.

Grape fruit, so *The Medical Times* tells us, is an admirable tonic. "The sharp stimulus of fruit is one of the best things to set the digestive organs in order for the day, and the peculiar properties of the grape fruit give it marked medicinal value. When eaten at luncheon, it is prepared in a different way than for breakfast service. For the second meal the contents of two halves should be scraped out, the seeds and tough cone of dividing skin taken out, and the pulp and juice thus obtained used to fill one of the halves, which it will just about do. A tablespoonful of sugar and one of rum or sherry mixed with the juicy pulp adds the perfecting flavour. At breakfast, with the long-pointed orange spoon, the meat is eaten out as is that of an orange, and very little sugar is used, many persons preferring none on the ground that its full medicinal value is better obtained."

The following particulars will illustrate the magnitude of the work performed on the Kiel ship-canal. It is about 61 miles long, 20 feet deep at dead low-water, and 229 feet wide. In numerous places the canal widens out to 428 feet, to allow the largest vessels to pass each other. Work will be continued until vessels of any depth can pass at low water. The embankment is stone-lined to a depth of 6 feet below the water. The locks at the North Sea end of the canal are the largest in the world, with the exception of that at Bremerhaven. While no high hills interfered with the work, considerable difficulty was experienced in leading the railroad across the canal. Two of the bridges span the canal at a height of 137 feet above the water, besides which there are 6 opening bridges and 16 ferries. The canal has been built for the comparatively insignificant sum of \$39,000,000.

A NEW TELEGRAPH SYSTEM.

A telegraphic device based on vision synchronism is described by *Engineering Mechanics*. We quote an abstract from *The Railway Review*, May 18: "The alphabet is reduced to eight characters, which are straight lines from which letters are formed. It is claimed that two hundred words a minute can be sent, and that as much work can be done with one line, under this system, as ten under the Morse. A message to be sent is first written on a typewriter, which is connected electrically with a punching apparatus. Through the punching apparatus runs a strip of paper an inch wide. As each letter is struck on the typewriter, a hole or series of holes are punched in the paper, the holes running in straight lines across it. Each hole or series of holes represents a letter. For instance 'I' is represented by one hole, because it takes but one of the elementary characters to make it. 'B,' which is made by six of the elementary characters, the largest number required for any one letter, is represented on the ribbon by six holes. When a letter is finished the strip is also finished, and the strip is then put into the transmitting apparatus and runs over a small metal roller, above which is a series of small metallic fingers which press upon the strip. As the different holes in the strip of paper pass under the fingers, electrical connection is made with the roller and the characters represented by the holes are struck at the other end of the line."

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AN ODD COLLECTION.

A man in Colorado has a quaint collection of bottles. It is divided into two sections. Section one is large. Section two is not. Section one contains hundreds of bottles, the contents of which his wife swallowed hoping to find relief from her physical sufferings. Section two contains a few bottles that once were filled with Dr. Pierce's Favorite Prescription. It was this potent remedy that gave the suffering wife her health again. It cures all irregularities, internal inflammation and ulceration, displacements and kindred troubles. It has done more to relieve the sufferings of women than any other medicine known to science.

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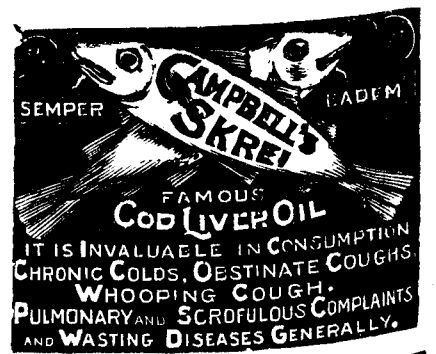
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