

very anciently, since it has given the name to the country and cities of Guatemala. The old city of that name near it, has often been destroyed by it, and the fire volcano of Alotenango, which last eruption was in 1826.

Let geologists explain what difference there is between this huge spring of water, and other periodical springs of smaller size.

C. S. R.

152. Improvements in Navigation.

They are always very slow by the force of habit and fear of innovation. Let us remember how long it has taken from the introduction of rafts to that of steamboats. Even steamboats were invented three centuries before they were adopted. But now the march of improvement is more rapid. It is now requisite to build steamboats that will be incombustible and can never catch

fire, 2d, that may never sink even when striking against snags, rocks, &c. 3d, that never will burst their boilers. All these 3 requisites, which every one should think indispensable to secure lives and property, are either known or in a fair way to be discovered ere long. But will the owners and builders of these boats adopt such improvements? Perhaps not, they are intent only on speed, and insuring do not care for wanton losses of lives! But the public must call for and demand these safe improvements, by neglecting those who sport with life.

Yes, let it be known that I and others know how to prevent any boat from ever sinking, and from burning or catching fire, and I am ready to impart the information or sell the articles required for the purpose.

C. S. RAFINESQUE.

CHEMICAL MANUFACTURE, OF PROFESSOR RAFINESQUE.

I have added to the articles which I manufacture the following two.

1. ANTIGNIS,

Or Incombustible Varnish, and Paint of any required color, to prevent houses and ships from catching fire and burning.

Any quantity supplied by contract at one dollar the pound, in solid cakes.—Apply by letter post paid.

2. SYRUP OF CREAM,

To supply milk and cream to sailors, mariners, travellers, and in Foreign Countries where no milk is to be had, by diluting with water it becomes sweetened milk, requiring no sugar with coffee and tea. Any quantity supplied by contract at one dollar the bottle. Orders thankfully received at No. 59, North Eighth Street, Philadelphia.

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