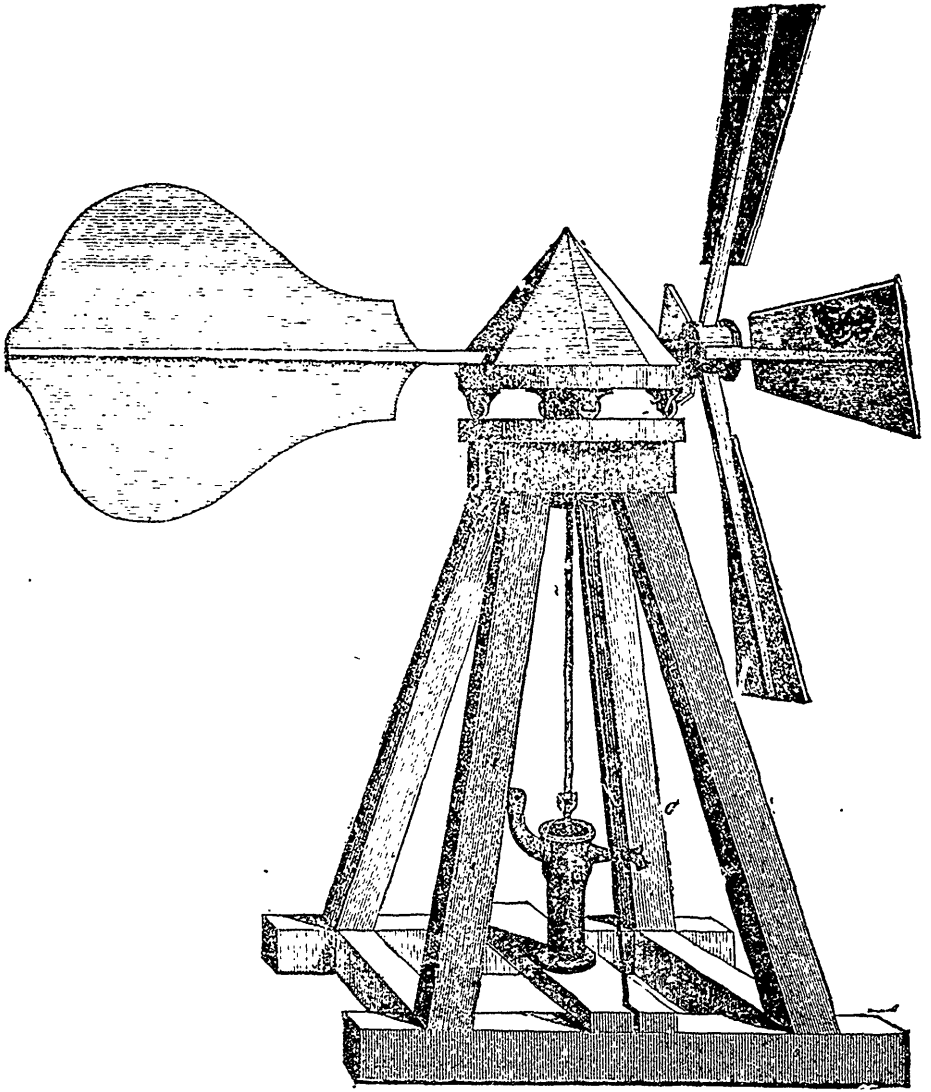




PORTABLE WIND-MILL.

The above cut represents a very convenient application of wind-power to the operation of a pump. These machines are now used extensively in the United States, and are made of all sizes. They are portable and can be applied to various purposes. The engraving is a view of one capable of driving a two-inch pump, and costs at the manufacturer's, about \$30, including the pump. The frame is 5 feet six inches high, and the diameter of the wings is 10 feet.

In situations not too much sheltered, these windmills can be applied to many purposes.—

By the erection of suitable tanks, water might be raised and retained at such an elevation, as not only to supply a house from a distant spring or stream, but afford the means for extinguishing a fire, watering a garden, &c. Built on a larger scale they may be applied to threshing, sawing wood, &c. A very slight breeze is sufficient to operate a pump.

These mills are very substantially made by Mr. A. E. Beach, New York, and being light can be readily forwarded to any part of the country.