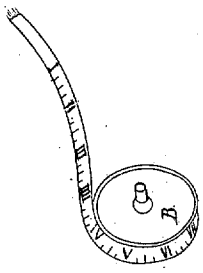
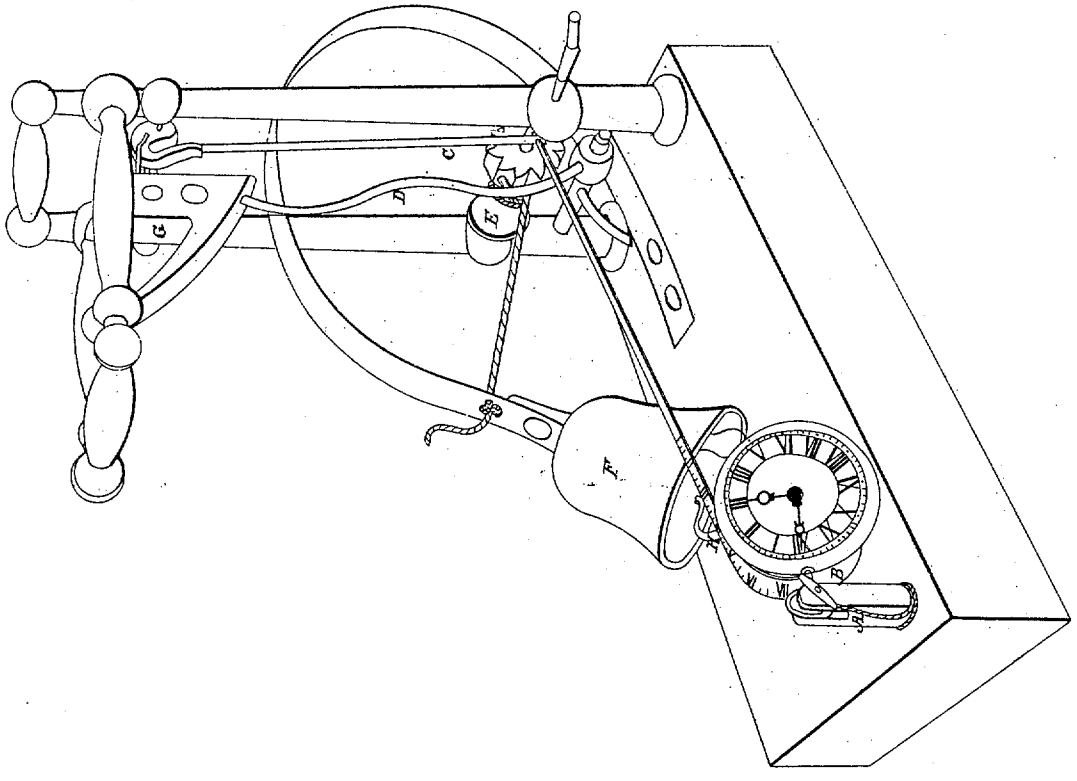
2244X

B. E. Feyrnith.

Time Alarm.

Patented Dec. 22, 1814.





Benjamin C. Reynolds.

The schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Benjamin C. Reynolds himself, of his Alarm to be fixed to a Clock or Watch.—

Let there be provided a block of wood or other substance provided of sufficient weight to give it stability. this block should be about eight inches long four wide and three thick, more or less. Let there be a small stud raised near one end, with a groove or mortice in it to receive the pendulo of a watch so that it may stand securely on one edge, the outer case of the watch must be taken off, and the back of the watch be turned towards the middle of the block. Then take a small cylindrical piece of wood, cork or other substance of about half an inch in diameter and some what longer, into the centre of this let there be screwed, at one end a gudgeon, with a socket in the other end similar to the pipe of a watch key and exactly to fit the fuzee arbor of the watch as its key does. The cork cylinder, on the other end of the pipe or gudgeon, is to have a narrow piece of oiled or varnished ribbone or tape, fastened to it, this is to be marked with the hours, as the cylinder is turned by the fuzee arbour in the running down of the watch; as the tape is wound round the small cylinder. The other end of the tape is fastened to the low end of a lever of about nine inches long from the fulcrum leaving the upper end of the lever about an inch and a half long. This lever is supported by a roller turning on gudgeons in two upright posts, of a suitable length, fixed firmly in the platform or block below. Near the lower part of the post is another roller turning with its gudgeons on the posts on this roller is fixed a ratchet wheel and near one end a small pully round which passes a cord, fastened to the pully by one end, and to the spring of a common house bell by the other end. The spring is drawn up by winding the cord round the pulley, and is kept in that position by a dog or ketch which falls into the ratchet wheel. If the alarm is required to ring after the

tape, say of six hours, let the figure 6 on the tape be brought opposite a mark
wire hook, pointing to the tape of the cylinder round which the tape is wound
The remaining part of the tape between the roller and the end of the lever t
which it is fastened, will be so slack that it will take six hours to wind it
round the roller so as to tighten it, at which time the tape drawing the end
of the lever, will by means of another, acted on by the first, disengage the lat
from the ratchet wheel, let loose the bell spring, & by its vibration ring the
bell and give the desired alarm—

Witnesses
Wm. Freymuth
Jacob Baker

Benj.a C. Freymuth

(540 words)

Patented December 22d, 1814.

Drawing to Freymuth