(12) **United States Patent**
Beach

(10) **Patent No.: X4266**
(45) **Date of Patent: Nov. 16, 1825**

(54) **STEAM ENGINE, CIRCULATING**

(76) Inventor: **Timothy Beach**

Timothy Beach.

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the same containing a description in the words of the said Timothy Beach himself of his improvement, being an Elementary circulating Steam Engine.

This machine is for the purpose of forcing up a column of water by steam, which water in its descent gives motion to a wheel or any other body to be connected to any machinery requiring this motion to be continued, and is produced in the following manner viz a boiler is to be constructed at any convenient height to be filled and fed by a pump connected with the boiler, and which may be worked by levers connected to the main shaft. a cistern at one end of the boiler is also to be erected to ascertain the proper height of the water on the opposite end are inserted as many horizontal tubes as may be thought proper, which tubes at a small distance from the boiler have a stop cock, which may be worked by the machine so constructed as to let on the steame to one tube whilst it cuts it off from the other, and in like manner for as many tubes as may be used. These tubes descend through a cistern of water, and as they rise again at the opposite end have two valves so constructed as to open one inwards to receive the water of the cistern, the other upwards to cut off the communication when necessary and permit the water to ascend the tube. The tubes continues to rise until of the height required and then bend over in such a manner as to discharge the water driven through them into a cistern which water is to be let fall upon the wheel or other body to be set in motion. From this cistern a small pipe conducts water to the pumps to feed the boiler. The operation of the machinery carried on in the following manner viz. The Steame when generated in the boiler is passed through the stop cock into the tubes, when it descends towards the valves, it is then met by a body of water drawn through the valve opening inwards, and which water is immediately upwards through a valve, also under the water as the ——— continuing ——— of the ——— The cistern to be poured upon the body ——— wheel to be set in motion. What I claim as my protected invention and for which I solicit a patent is the application of Steame in the manner above described to raising a column of water which in its descent is to give motion to machinery.

Witnesses
Wm Elliot
David

Timothy Beach

Exd. W.G.C.

United States Patent

Patent No.: X4266

2—328 *a.*

DRAFTSMAN'S DIVISION.

All communications should be addressed to
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Washington, D. C."

DEPARTMENT OF THE INTERIOR,

United States Patent Office,

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SIR:

The printed copies ..... *of Patent No.* P Beach
Nov. 16, 1825
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As soon as printed a copy will be mailed you to complete your order.

By direction of the Commissioner:

Very respectfully,

Chief Clerk.

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