H. MIELISCH.

PEAT MACHINE.

No. 112,830. Patented Mar. 21, 1871.

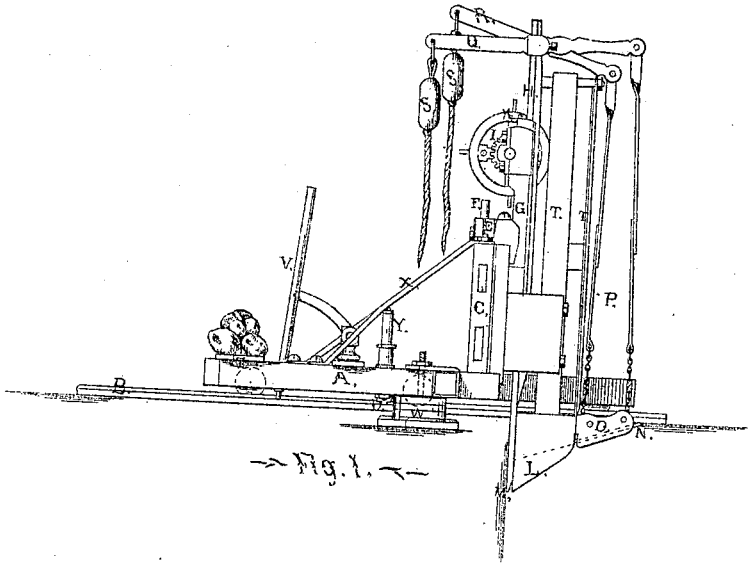

Fig. 1.

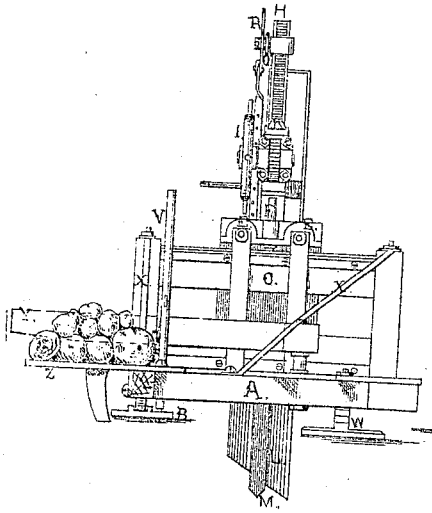

Fig. 2.

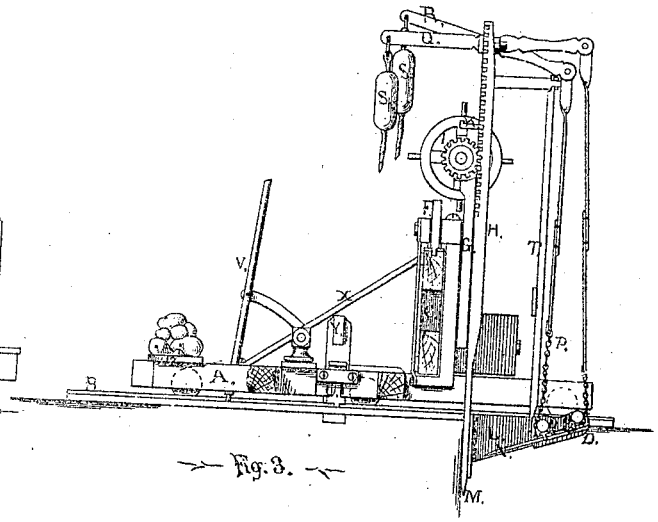

Fig. 3.

WITNESSES.

Chas. M. Thorner.

Chas. A. Smith

INVENTOR.

Hermann Mielisch

By Jos. Smith

His Attorney

United States Patent Office.

HERMANN MIELISCH, OF RACINE. WISCONSIN.

Letters Patent No. 112,830, dated March 21, 1871.

IMPROVEMENT IN PEAT-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

I, HERMANN MIELISCH, of Racine, in the county of Racine, in the State of Wisconsin, have invented certain Improvements in Peat-Machines, of which the following is a specification.

Nature and Object of the Invention.

My invention is for a machine for cutting peat from the marsh, and is arranged so that it can be moved from place to place; and the cutting apparatus is arranged so as to cut down as deep as desired and elevate the peat in columns of about a foot square, and then cut them in cubes of about a foot square and remove them in any manner thought best.

Description of the Drawing forming part of this Specification.

Figure 1 is a side view;
Figure 2, a back view; and
Figure 3, a sectional view.

General Description.

A is the frame of the machine.

B, the wooden track on which the machine rests.

C, sliding frame, on which the digging or cutting apparatus travels back and forth.

D, frame of the cutting apparatus.

E, rollers, working on the sliding frame C.

F, stop in the cutting-apparatus frame C.

G, slide, in which the cutting-apparatus shaft slides up and down.

H, shaft of cutting apparatus.

I, wheel and pinion, meshing into rack on the back side of shaft H, and with which it is raised and lowered.

K, stop on slide G, to hold the cutting apparatus at any height.

L, knife and box, to cut and hold the peat.

M, pointer, to strike a stone or other hard substance and protect the knife.

N, sliding knife, to cut the peat at the bottom and hold it in the box L.

O, rollers.

P, chain and straps, passing round rollers O and connected at the top to levers Q and R.

These straps are arranged so that they may be shortened or lengthened according to the depth that the knife L may want to cut.

S S, weights and ropes on the ends of levers Q and R to keep the straps P tight, and to pull the levers so as to close and open the bottom of box L.

T T, supports and frame to box L, to hold the body or column of peat.

U, pin, on frame A, passing down into the wooden track B, to hold the machine firmly in position.

V, a lever, the end pointed to catch into the holes in wooden track B, to move the machine back and forth.

W, a supporting-stand, to be placed under one end of the machine and set on the ground to hold it up.

X X, braces, running from the sliding-frame C back to the back end of the bed of the frame.

To operate this machine, first dig a small hole for the knife N and rollers O to go down in, then set the machine in position with the wooden track B under it, and drop down the cutting-frame, and the knife L will cut the peat and it will be forced up into the box; then take hold of rope and weight on lever R and pull on it, which will throw knife N forward and cut the peat at the bottom and hold it in the box L; then raise the cutting apparatus with pinion and wheel I and shove in stop K to hold it up in place; then with a shovel cut out the peat and remove it, and it can be carried away in any manner thought best, and the cutting apparatus can be moved on the rollers E, and so on.

The machine can be balanced so as to make it set level by piling stones or something else on platform Z.

Claim.

I claim as my invention—

1. The combination of rack-shaft H, pinion I, cutter-box L, sliding cutter N, straps P, and levers Q and R, substantially as described.

2. The shaft H, with its operating mechanism, in combination with the sliding frame and the stop F, substantially as set forth.

HERMANN MIELISCH.

Witnesses:
W. M. HORNOR,
J. B. SMITH.