

(No Model.)

T. HALL.

CLAMP FOR ROPE HALTERS.

No. 315,614.

Patented Apr. 14, 1885.

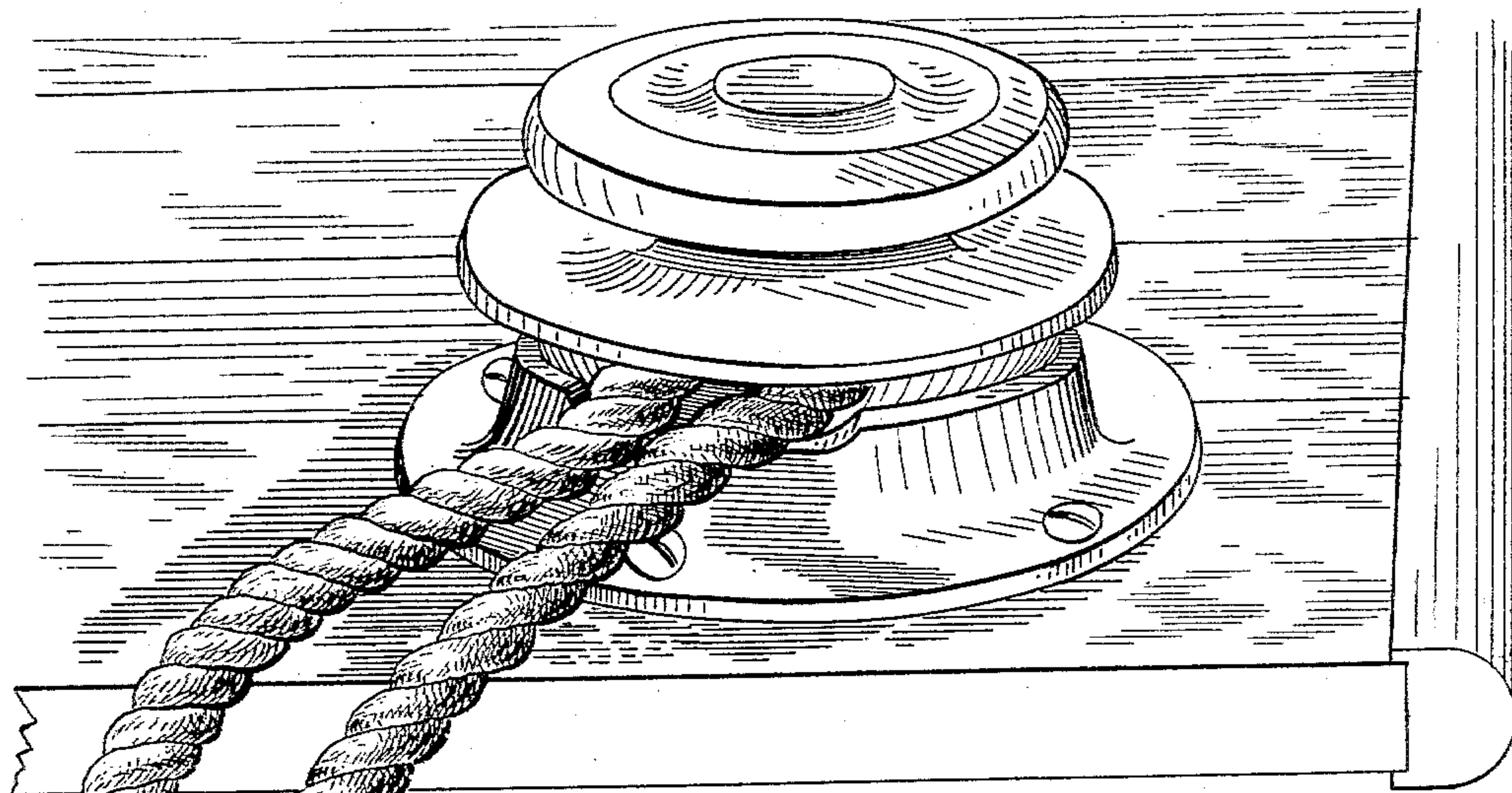


Fig. 1.

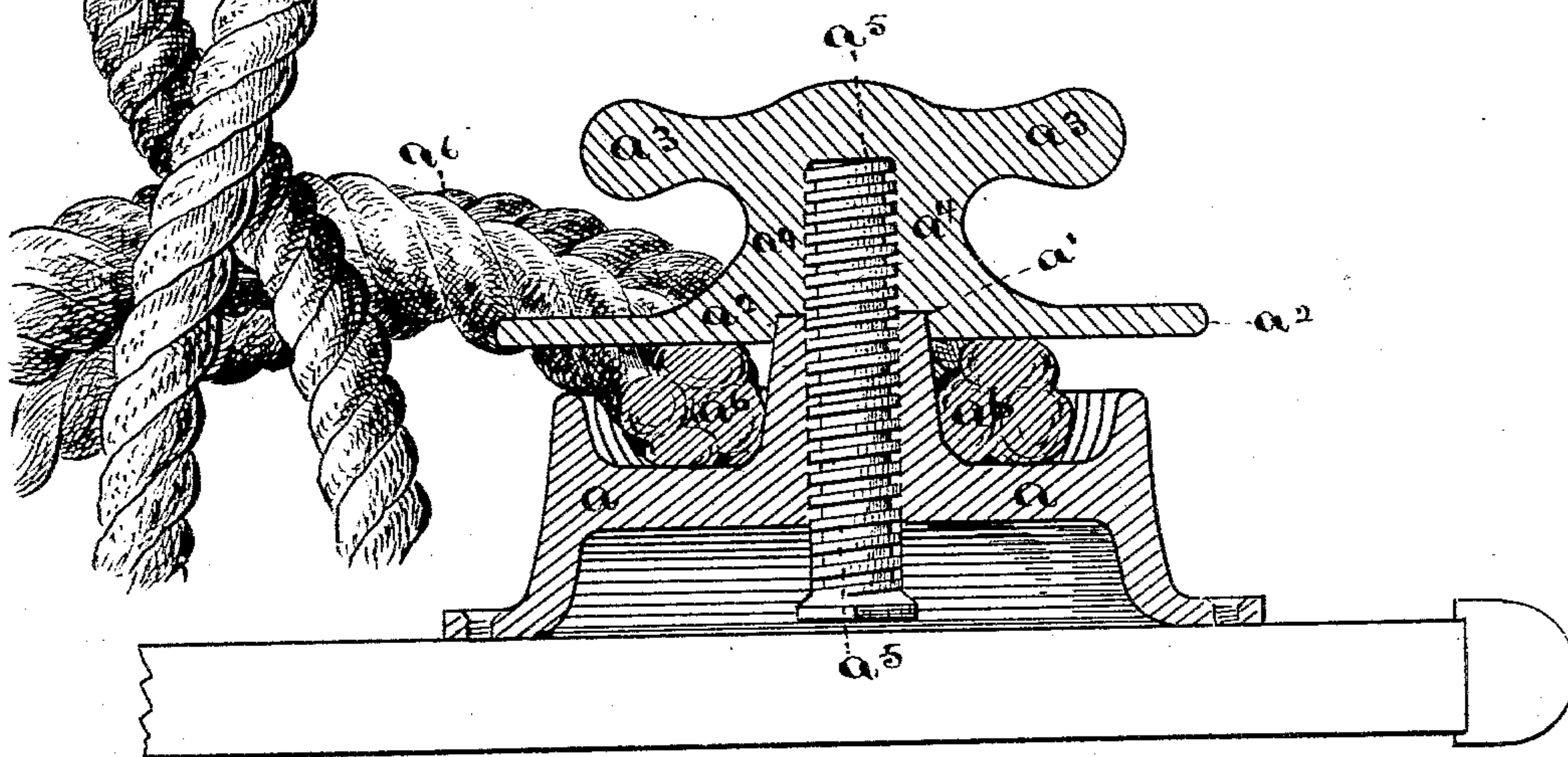


Fig. 2.

Witnesses:
J. L. Houghton
Eugene P. Sawyer.

Inventor
Thomas Hall
by Ch. Houghton Atty

UNITED STATES PATENT OFFICE.

THOMAS HALL, OF AUBURNDALE, MASSACHUSETTS.

CLAMP FOR ROPE HALTERS.

SPECIFICATION forming part of Letters Patent No. 315,614, dated April 14, 1885.

Application filed November 3, 1884. (No model.)

To all whom it may concern:

Be it known that I, THOMAS HALL, of Auburndale, in the county of Middlesex and Commonwealth of Massachusetts, have invented a new and useful Clamp for Rope
5 Halters, of which the following is a specification.

My invention relates to rope halters as generally used in stables, the object of it being to
10 provide a convenient and reliable means of securing the rope of a halter; and it consists of the devices hereinafter described.

Rope halters as heretofore used have been tied into a ring or a hole in a plank or around a
15 stanchion or stud. Horses frequently acquire a habit of untying such a knot made in a rope and freeing themselves from the restraint of a halter. By the use of my clamp this is rendered impossible.

This clamp is made of any suitable metal, iron being as good as any, cast in two parts, which are circular in form, and are united by
20 a strong screw, on which the clamp is opened and closed, which I will designate as the "working-screw."
25

In the drawings annexed, Figure 1 shows the clamp in perspective as affixed by screws to a plank forming the side of a stall or
30 manger, with the halter-rope secured in it between the two parts. Fig. 2 shows a vertical section of the clamp through its center when closed and holding the rope of a halter, and a side of the working-screw.

a is what I will designate as the "bed-plate" of the clamp, circular in form, with holes near
35 its edge, through which screws are entered into the plank to which it is affixed to secure it in place. The upper or outer surface of this bed-plate has a groove in it for the rope
40 of the halter to be in, running around it parallel to the periphery of the bed-plate, corrugated in the bottom, and with a part of the rise of the outside of the groove cut away on one side to make a place for the fold of the
45 rope. In the middle of the upper side of the bed-plate a conical stud about three-quarters of an inch in diameter rises about three-quarters of an inch, through the center of which from

the under side of the bed-plate there is made an opening for the passage of the working-
50 screw, with screw-threads cut in it, in which the threads of the working-screw move.

a' is the hollow screw-threaded cone-stud on the bed-plate.

a^2 I call the "closing-disk" of the clamp, consisting of a flat circular plate about one-quarter
55 of an inch thick, the diameter of which is about three-quarters of that of the bed-plate, having connected to its upper side by a neck of metal a knob, by which it is turned either
60 way.

a^3 is the knob on the closing-disk, and a^4 is the neck by which it and the disk are united and made integral, in the center of which is
65 a cavity, into which the conical stud on the bed-plate enters when the clamp is closed to secure the rope.

a^5 is the working-screw. This screw is about one-half of an inch in diameter, made of steel
70 or good tough wrought-iron, with a thread cut on it, which fits the thread in the opening through the bed-plate in the center of the conical stud, and a head on it below the under
75 side of the bed-plate, the opposite end of it being firmly secured in the bottom of the cavity in the neck a^3 .

a^6 is the halter-rope.

By turning the knob a^3 to the right it and the closing-disk a are by the moving of the
80 working-screw carried down toward the bed-plate upon the halter-rope, engaging and securing it, so that it will be firmly held until released by turning the knob a^3 to the left.

Having thus described my invention, I claim
85 as new--

The above-described halter-clamp, consisting of the bed-plate a , having on it the hollow
90 screw-threaded cone-stud a' , the closing-disk a^2 , having on it and integral with it the knob a^3 and connecting-neck a^4 , and the working-screw a^5 , all in combination substantially as described.

THOMAS HALL.

Witnesses:

CHS. HOUGHTON,
F. L. HOUGHTON.