

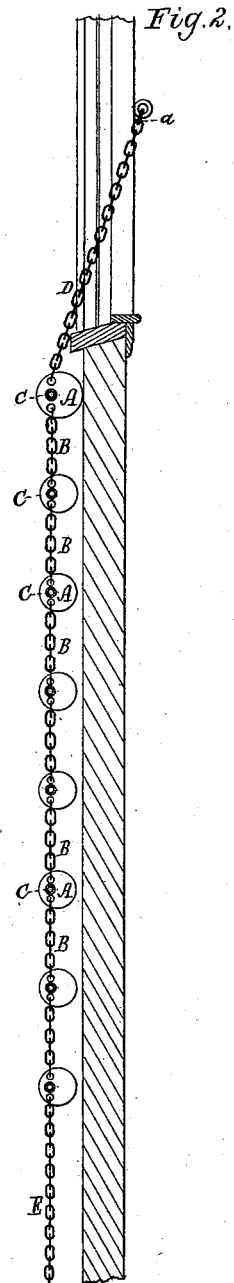
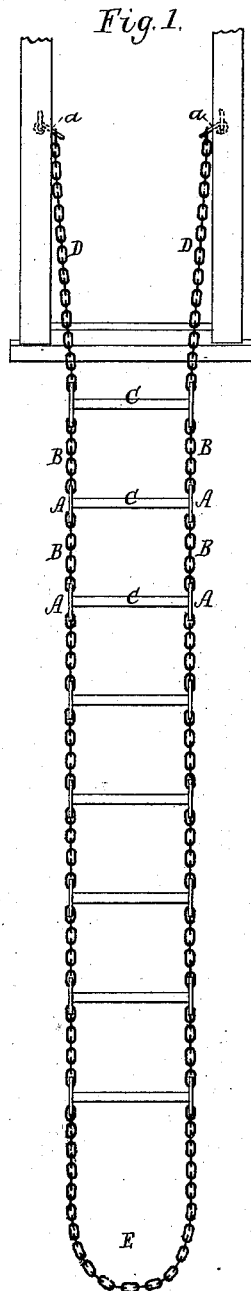
(No Model.)

S. H. GARDINER.

FIRE ESCAPE.

No. 384,143.

Patented June 5, 1888.



Witnesses.

R. B. Toney.
C. F. Daniels.

Inventor.

Stephen H. Gardiner.
by Singleton & Pipewell.

UNITED STATES PATENT OFFICE.

STEPHEN HALSEY GARDINER, OF LYNN, MASSACHUSETTS.

FIRE-ESCAPE.

SPECIFICATION forming part of Letters Patent No. 384,143, dated June 5, 1888.

Application filed August 23, 1887. Serial No. 247,653. (No model.)

To all whom it may concern:

Be it known that I, STEPHEN HALSEY GARDINER, of Lynn, in the county of Essex, of the Commonwealth of Massachusetts, have invented a new and useful Improvement in Fire-Escapes; and I do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

10 Figure 1 is a front elevation, and Fig. 2 a longitudinal and median section, of a fire-escape of my invention, the nature of which is defined in the claim hereinafter presented.

15 The said fire-escape consists, mainly, of two series of metallic disks, A, chains B, connecting the disks of each series, and a series of metallic rods or rounds, C, extending from one to the other series of disks, each rod connecting two disks near their centers, in which case
20 the rod is eccentric to each disk. The disks of each series are disposed at equal distances apart, each being joined to that next to it, whether above or below it, by a short chain, B. Extending from each of the two upper disks is
25 one of two chains, D, such chains being provided at their upper ends with hooks *a* to admit of their being hooked into staples fixed in the window-frame or other suitable part of a

building. There also extends from the two lower disks a looped chain, E, whose ends are 30 joined to the disks.

When the fire-escape so made is suspended from a window of a building, the disks, by contact with the front of the said building, keep the rounds at a distance therefrom to enable a person to easily ascend or descend the fire-escape. The looped chain is of advantage 35 in supporting the fire-escape at an inclination to the building by means of a crowbar or stake driven through the loops of the chain and into the ground. Such looped chain is also useful 40 for other purposes.

The above fire-escape becomes a ladder which can be easily folded into little space for storage or otherwise. 45

I claim—

A fire-escape consisting of the combination of disks A, connected by chains B, rods or rounds C, extending from a disk on one side to a disk on the other and secured eccentrically 50 to said disks, with the two upper chains, D, and the bottom looped chain, E, as set forth.

STEPHEN HALSEY GARDINER.

Witnesses:

R. H. EDDY,
R. B. TORREY.