

(No Model.)

A. S. JORDAN.
WINDOW GRATE.

No. 419,048.

Patented Jan. 7, 1890.

Fig. 1.

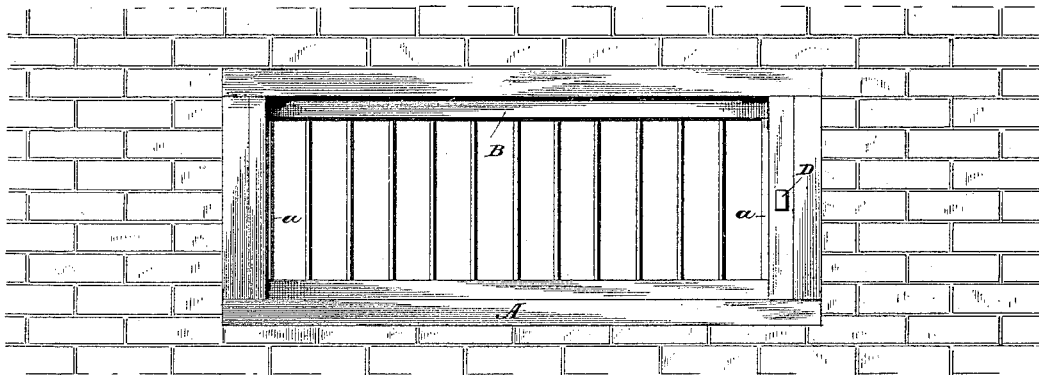


Fig. 2.

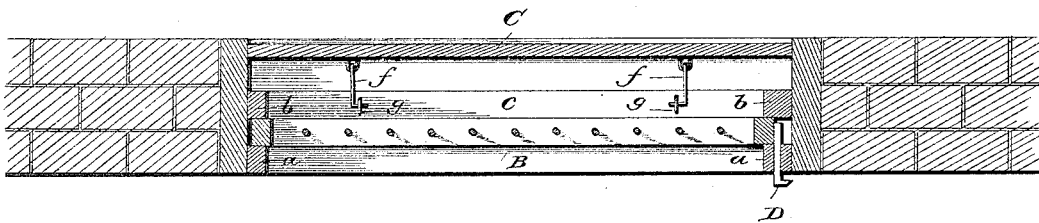
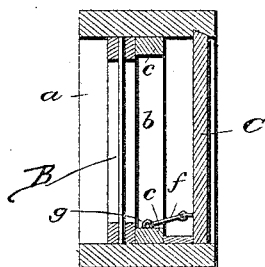


Fig. 3.



Arvill S. Jordan.

Inventor

Witnesses

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By his Attorneys

[Signature]

UNITED STATES PATENT OFFICE.

ARVILL S. JORDAN, OF WALTHAM, MAINE.

WINDOW-GRATE.

SPECIFICATION forming part of Letters Patent No. 419,048, dated January 7, 1890.

Application filed October 17, 1889. Serial No. 327,273. (No model.)

To all whom it may concern:

Be it known that I, ARVILL S. JORDAN, a citizen of the United States of America, residing at Waltham, in the county of Hancock and State of Maine, have invented certain new and useful Improvements in Window-Grates; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention has reference to window-grates; and it consists in the improved construction hereinafter described and set forth, whereby a simple and efficient arrangement is provided that will satisfactorily serve the purposes of a screen or guard, particularly for cellar-windows, and present a construction wherein the screen or grating can be securely retained in place by means of a key, and will be readily removable from the inside.

In the accompanying drawings, forming part of this specification, Figure 1 is a view from the inside of the device. Fig. 2 is a horizontal plan taken in the plane of the securing-key, and Fig. 3 is a vertical section.

The rectangular frame A of the device may be made of any material and size to suit the requirements, and has interiorly vertical parallel strips *a b*, forming intermediate spaces between the same. Upper and lower transverse strips *c* intersect the vertical strips *b*.

A metallic grate or screen section B consists of the frame portion and segregated bars, and is of such dimension that it can be introduced to have its ends bear in the spaces

between the vertical strips, while its upper and lower horizontal portions bear against the corresponding strips *c*. The relative width of the section B is such that it can be moved laterally to enable one of its ends to move out of the main frame, after which the entire section B may be obliquely withdrawn. A key D is passed through one of the strips *a*, and prevents any lateral movement of the screen or grate section. The opening presented by the frame may be closed by a panel C, provided near its lower edge with hooks *f*, adapted to engage staples *g* on the base-strips *c*.

I claim—

1. The combination, with the frame provided interiorly with the vertically-parallel strips *a b*, of a grate or screen section between said strips, and adapted to be moved laterally within the frame to disengage one of its ends, and a key inserted through one of the outer vertical strips *a*, at right angles to the grate or screen section, bearing across its end face and rigidly holding the same for preventing such lateral movement and withdrawal, substantially as set forth.

2. The combination, with the frame, provided interiorly with vertical strips *a b* and upper and lower transverse strips *c*, of a grate or screen section adapted to bear between said strips *a b* and against strips *c*, a key for preventing lateral movement of said section, and a panel and hook device for closing the outer side of said frame, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ARVILL S. JORDAN.

Witnesses:

A. F. BURNHAM,
A. A. BURNHAM.