

(No Model.)

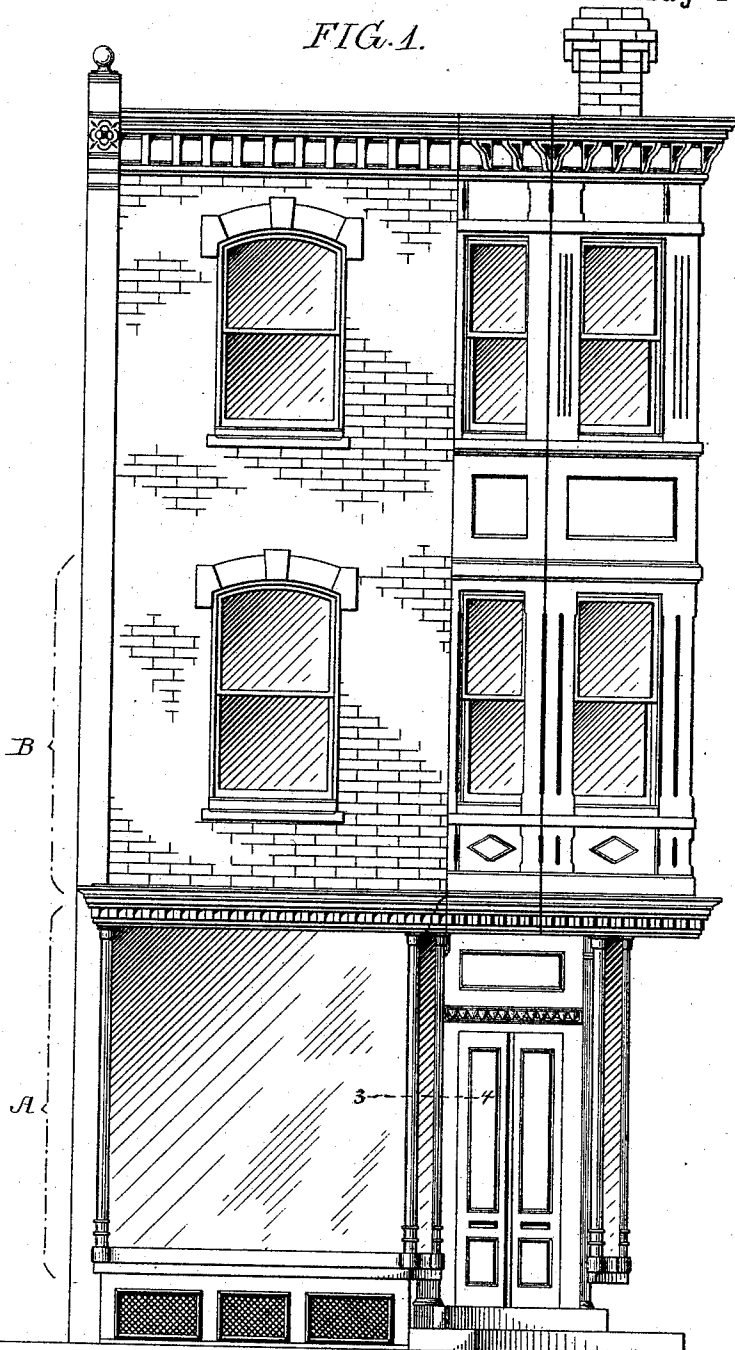
2 Sheets—Sheet 1.

M. SCHMID.
BUILDING.

No. 474,647.

Patented May 10, 1892.

FIG. 1.



Witnesses.

Albert Popkins.

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UNITED STATES PATENT OFFICE.

MATHEW SCHMID, OF PHILADELPHIA, PENNSYLVANIA.

BUILDING.

SPECIFICATION forming part of Letters Patent No. 474,647, dated May 10, 1892.

Application filed October 22, 1891. Serial No. 409,517. (No model.)

To all whom it may concern:

Be it known that I, MATHEW SCHMID, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Buildings, of which the following is a specification.

The object of my invention is to so construct a corner building in which the first story is used for store purposes and in which the entrance to the store is at the corner that the second story shall project over the doorway in such a manner as to dispense with the usual supporting-column at the corner, and thus allow uninterrupted passage through the doorway. This object I attain in the following manner, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of a building illustrating my improvement. Fig. 2 is a plan view of a portion of the first floor. Fig. 3 is a plan view of a portion of the second floor. Fig. 4 is a section on the line 1 2, Fig. 3, and Fig. 5 is a section on the line 3 4, Fig. 1.

A is the first floor of the building; B, the second floor. *a* is the party-wall, *b* the side wall, and *d* the front wall.

E is the front bulk-window, and *f* is the side bulk-window.

D is the doorway into the store. On each side of this doorway are columns E E, which are mounted on a foundation and extend up to and support the beams of the second floor.

Directly above the doorway D in the present instance is a bay-window I, which projects from the corner of the building, as shown in Fig. 3, and overhangs the doorway. In buildings using a corner doorway the corner above the doorway is supported by a central column, (shown by dotted lines in Fig. 2,) the column being directly in the passage-way. The object of my invention is to dispense with the central column, so that an uninterrupted passage may be had into and out of the building. This object I attain by providing the two columns E E, one on each side of the doorway, the columns being of sufficient strength to support the overhanging structure. Each column E supports a girder F. The girders extend in the present instance from the walls of the building, meeting each other at the corner *f*. These girders support

the joists, which are arranged as shown in Figs. 3 and 4, the weight of the material on the girders back of the columns supporting the overhanging material. I am thus enabled by this construction to build out the second story to the corner without the use of a central supporting-column, and I can build out a bay-window structure at the corner and support it only by the side columns, as clearly shown in the drawings. The column I prefer to use is a deep-channel column of metal, as shown clearly in Fig. 5, so arranged in respect to the doorway and windows that the framings can be readily fastened thereto. Secured in the trough of the column I is a wooden beam M, and secured to the beam is the door-framing *m*. The window-framing N is cut to fit the column and secured to the door-framing by a covered piece *n*. I preferably case the column by panels *s s' s²*, the panel *s* being secured to the beam M by screw *t*, passing through openings in the column. This fastening of the panel also secures the beam M in place in the column. This construction entirely hides the column from view. If the structure is not provided with bulk-windows that extend to the doorway, as shown in the drawings, then the columns may be the walls of the building, the beams F in such an instance extending into the walls a sufficient distance to counterbalance the overhanging weight; but I prefer when practicable to use the columns E E.

I claim as my invention—

1. The combination, in a corner-store-building structure having a doorway at the corner and show-windows on one or both sides, of columns on each side of the doorway and girders supported by said columns, said girders supporting the upper structure, with an overhanging corner extending out beyond the doorway and supported by the columns through the girders, substantially as set forth.

2. The combination, in a corner-building structure having a doorway at the corner and an overhanging corner bay-window above the doorway, of columns on each side of the doorway, girders supported by the columns, and said girders supporting the projecting corner bay-window, substantially as specified.

3. The combination, in a corner building

having a corner doorway and a bulk window
or windows, of a hollow channel-column at
each side of said doorway, timbers in said col-
umns, casings surrounding the columns and
5 secured to the timbers, and the door-casing
and window-casing also secured to the tim-
ber, substantially as described.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

MATHEW SCHMID.

Witnesses:

HENRY HOWSON,

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