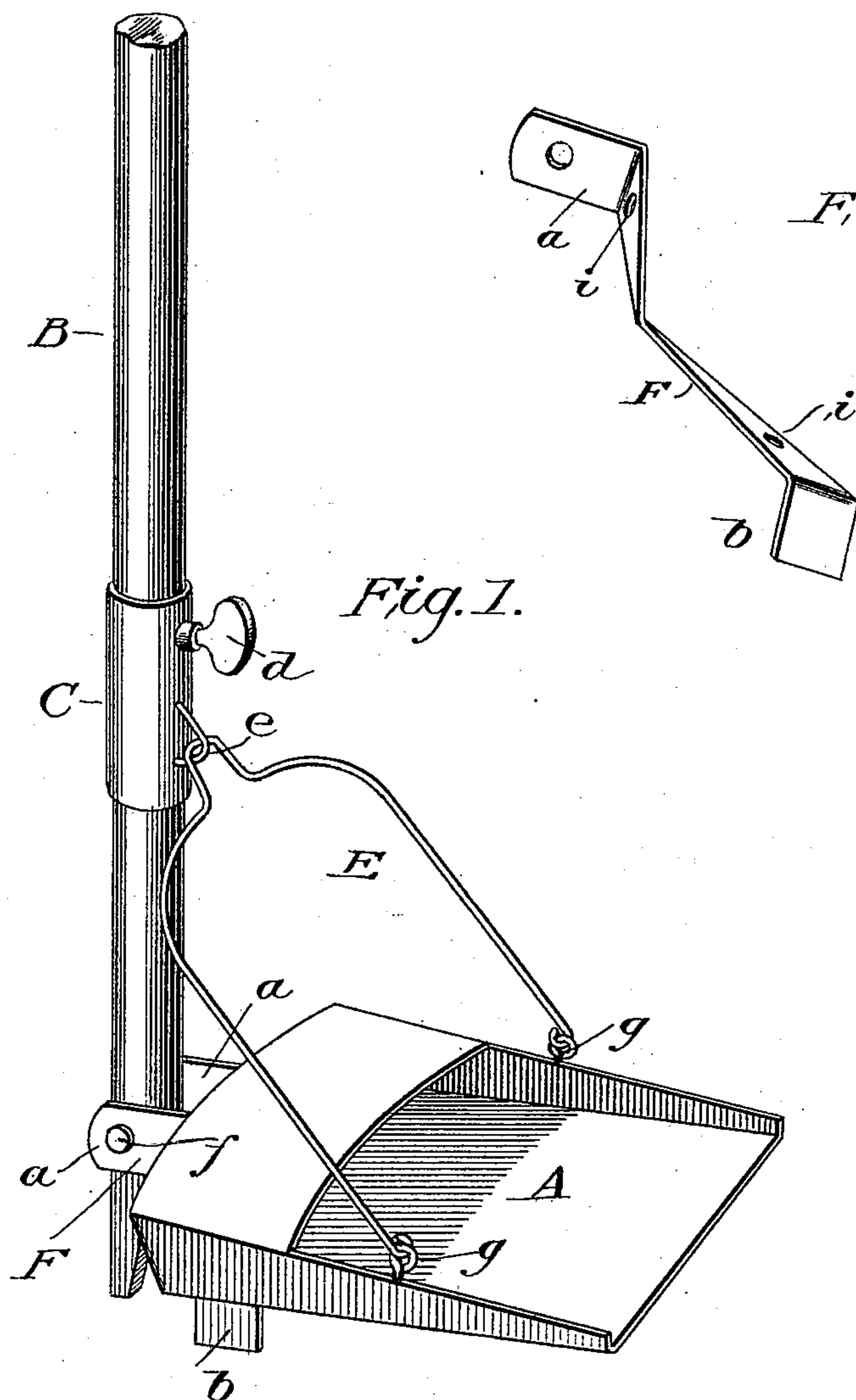


(No Model.)

W. N. BATES.
DUST PAN.

No. 497,401.

Patented May 16, 1893.



Witnesses:
John F. Conway
L. A. Meyers.

Inventor:
William N. Bates
By Thomas B. Swan
His Attorney

UNITED STATES PATENT OFFICE.

WILLIAM N. BATES, OF ATLANTIC, IOWA.

DUST-PAN.

SPECIFICATION forming part of Letters Patent No. 497,401, dated May 16, 1893.

Application filed December 19, 1892. Serial No. 455,620. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM N. BATES, a citizen of the United States, residing at the city of Atlantic, in the county of Cass and State of Iowa, have invented certain new and useful Improvements in Dust-Pans; and I do 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 the letters of reference marked thereon, which form a part of this specification.

My invention relates to improvements in dust-pans and it consists in the peculiar construction and combination of the parts that will be more fully set forth hereinafter and particularly pointed out in the claim.

The objects of my invention are to provide a dust-pan by the use of which dust and dirt can be removed from the floor of a room by a person without stooping over, and which has a handle which can be readily adjusted at any desired angle to the pan. I attain these objects by the device illustrated in the accompanying drawings in which—

Figure 1. is a perspective view of the dust-pan, and Fig. 2 a detail perspective view of the bent and twisted iron strap.

Similar letters refer to similar parts throughout both views.

A, represents a dust-pan of ordinary construction.

B, is the handle of the dust-pan, which is pivoted to the dust-pan by the pivot *f*, which passes through the ears *a, a*, and loosely through the handle B.

C, is a sliding collar through which the handle B, loosely passes.

g, g, are eyes secured firmly, one to each side of the pan.

E, is a bail hinged at its lower ends by means of the eyes *g, g*, to the pan, and at its top to the sliding collar C, by means of the loop *e*.

F, F, are iron straps, which are firmly secured to the pan, by means of rivets which pass through the apertures *i, i*, into and

through the pan. The straps pass diagonally across the bottom of the rear portion of the pan, and are bent and twisted in a suitable manner to form at their forward ends the legs *b*, and at their rear ends the ears *a, a*. The handle B, extends downward from the ears *a, a*, and forms a leg or support for the pan.

d, is a set screw fitted to the collar C, and by means of which the collar can be prevented from sliding on the handle and secured at any desired place on the handle. When the handle B, is in an upright position, it is made of suitable length, so that a person by taking hold of it, can hold the dust pan upon the floor without stooping. The dust-pan is supported by the two legs *b*, and the lower end of the handle B, in a proper position to enable a person with a broom, to readily sweep the dust from the floor into the dust pan, and after the dust from a certain part of the floor has been conveyed by the broom into the pan, the pan can be moved to another part of the floor by a person without stooping over by means of taking hold of the handle. When desired the handle can be adjusted at a proper angle to the pan to form a shovel.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The herein described dust pan consisting of the pan A, the handle B, pivoted near its lower end to the pan, the sliding collar C, fitted to the handle B, the set screw *d*, fitted to the collar C, the bail E, hinged at its lower ends to the pan, and at its upper portion to the sliding collar C, and the iron straps F, F, firmly secured to the pan and bent in such a manner that their rear ends form the ears to which the handle is pivoted, and their forward ends the legs to support the pan, all combined substantially as described.

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

WILLIAM N. BATES.

Witnesses:

CHARLES BLOCK,
A. W. BROWN.