

C. W. SHIVELEY.

Bleaching Safes.

No. 134,941.

Patented Jan. 14, 1873.

Fig. 1.

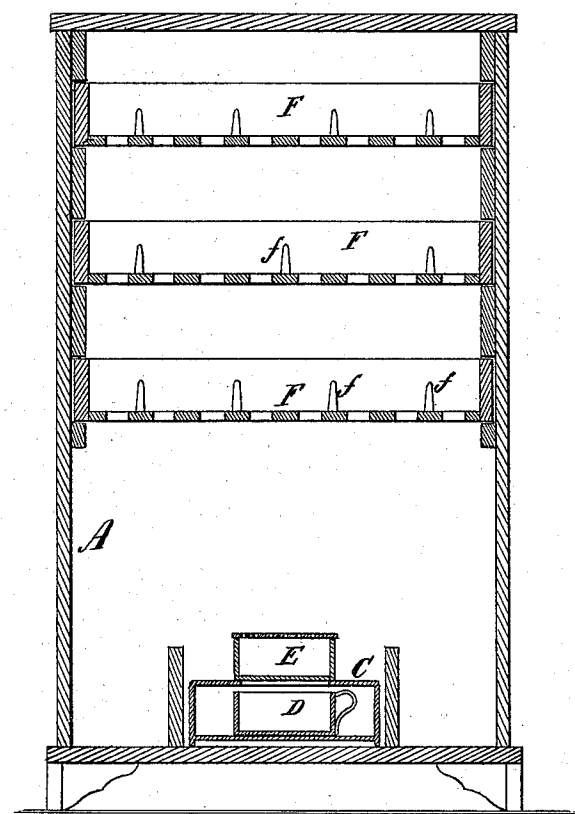
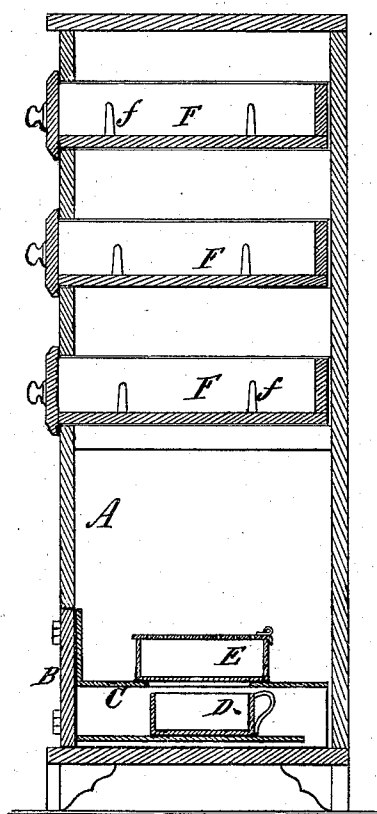


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

CATHERINE W. SHIVELEY, OF PERU, INDIANA.

IMPROVEMENT IN BLEACHING-SAFES.

Specification forming part of Letters Patent No. 134,941, dated January 14, 1873.

To all whom it may concern:

Be it known that I, CATHERINE W. SHIVELEY, of Peru, in the county of Miami and State of Indiana, have invented a certain Improvement in Bleaching-Safes, of which the following is a specification:

This invention relates to that class of bleaching-safes which are more especially intended for the use of milliners to bleach straw goods by means of sulphurous acid. My improvement consists in providing the safe or chest with a series of drawers having slotted bottoms to admit of the free circulation of the sulphurous acid through them, and pegs for the support of the hats or bonnets, as will be more generally explained in the ensuing description, and specifically pointed out in the claim.

Figure 1 is a sectional elevation of my improved bleaching-safe. Fig. 2 is also a sectional elevation, the section being taken in a plane at right angle to that illustrated in Fig. 1.

The same letters of reference are employed in both figures in the designation of identical parts.

The safe or chest A is made of any desired dimensions, and made air-tight as nearly as possible. In the lower part is a door, B, for the introduction of the metal frame-work C, carrying the fire-pot D and sulphur-receptacle E. The latter is covered with a perforated lid,

through which the fumes issue into the chamber of the safe or chest. Above this furnace the chest contains a number of drawers, F, the bottoms of which are composed of a series of slats with intervening spaces, through which the sulphurous acid generated in the furnace below may ascend and circulate. Each drawer is provided with a number of vertical pegs, f, for the support of the straw goods to be bleached. This arrangement of drawers affords a convenient means for the distribution of the goods according as they are soiled to a greater or lesser extent, and require to be subjected to the action of the bleaching agent a longer or shorter time. The goods suspended in the chest may also be inspected from time to time, by pulling the several drawers out successively, without suffering much inconvenience from the escape of fumes.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of a bleaching-safe, A, and a series of perforated drawers, F, for the support of the goods to be bleached, substantially as specified.

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

CATHERINE W. SHIVELEY.

Witnesses:

GEO. W. SMITH,
B. F. THOMAS.