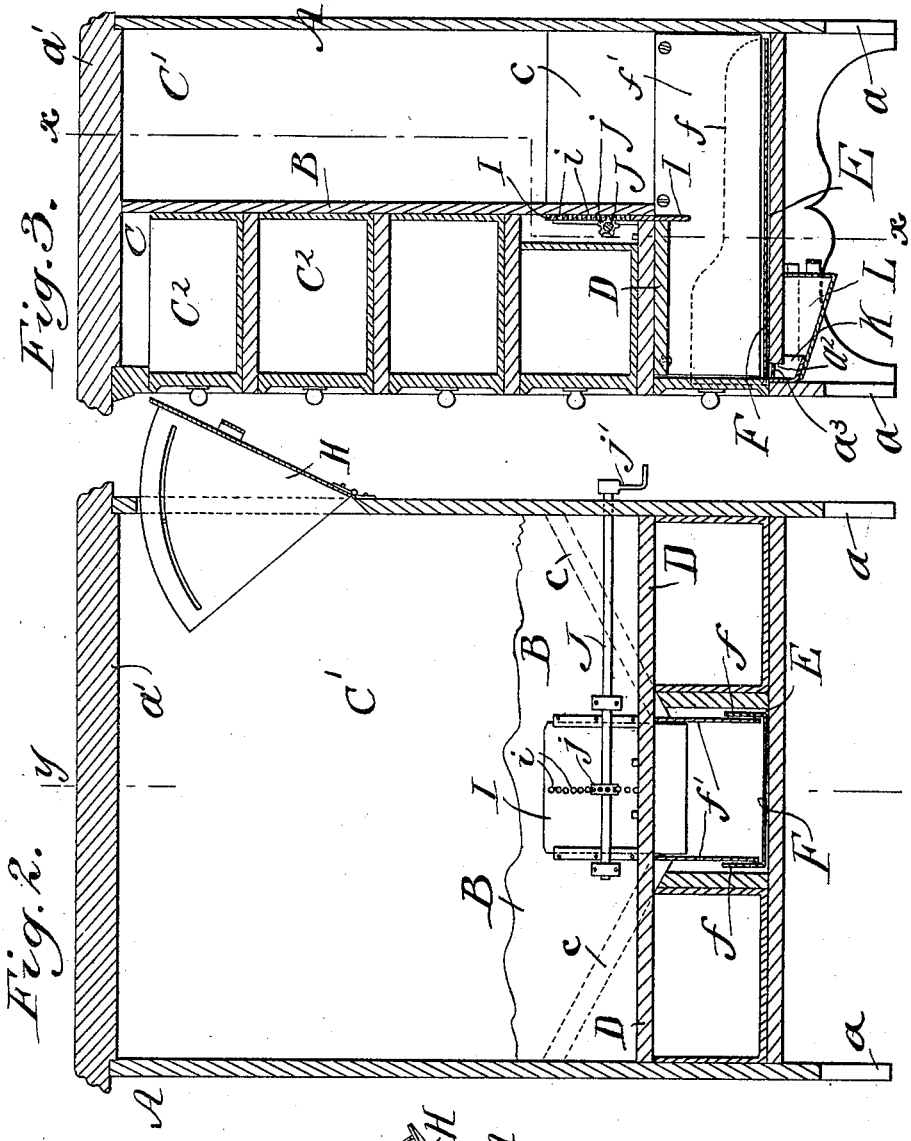
No. 649,471. Patented May 15, 1900.

C. M. NELSEN.

COAL CABINET.

(Application filed Dec. 29, 1898.)

(No Model.)



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COAL-CABINET.

SPECIFICATION forming part of Letters Patent No. 649,471, dated May 15, 1900.

Application filed December 29, 1898. Serial No. 700,596. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN M. NELSEN, a citizen of the United States, and a resident of New York, (Brooklyn,) county of Kings, and State of New York, have invented certain new and useful Improvements in Coal-Cabinets, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to improvements in combination household or kitchen cabinets, the object thereof being to provide a compact article of this class which is adapted principally for the storage and delivery of coal and which contains compartments for kindling-wood and other household accessories.

The device is so constructed that it resembles in outward appearance a chest of drawers or chiffonnier, whereby an article of ornamental appearance is supplied which combines general utility and economy of space.

The invention will be hereinafter fully described, and specifically set forth in the annexed claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a perspective view of my improved cabinet, illustrating particularly the means for delivering and withdrawing coal. Fig. 2 is a sectional elevation of the cabinet looking toward the rear wall and taken on the line $x\ x$ of Fig. 3, and Fig. 3 is a cross-sectional elevation taken on the line $y\ y$ of Fig. 2.

In the practice of my invention I provide, primarily, an outer shell or box A, which is of the general contour and appearance of a cabinet and is preferably provided with legs a and a removable lid a'. This cabinet is divided by a centrally-located partition B into two vertical compartments C and C', the compartment C being closed at its bottom portion by means of a horizontal partition D. Beneath this said partition is a recess E, which communicates with the compartment C', and the lower walls c of the compartment C' are extended downwardly at an angle leading into the recess E, thus forming a hopper of the compartment C'. Within the recess E is a sliding scoop F, adapted for the removal of coal from the hopper. The inner surfaces of the side walls f of this said scoop engage depending partitions f', which are connected to the horizontal partition D, the object of these said partitions f' being to prevent the coal normally contained within the scoop from contacting directly with the woodwork of the cabinet, the partitions f' and the scoop F being formed of metal, preferably sheet metal. The compartments upon each side of the said scoop contain sliding drawers G, which extend beneath the hopper rearwardly the full depth of the cabinet. These drawers are adapted to receive such articles as kindling-wood, shovels, pokers, &c.

The compartments C of the cabinet contain a nest of drawers C^2, and these said drawers being entirely isolated from the compartment C' may contain crockery or other kitchen utensils. Leading into one of the side walls of the compartment C' is a swinging chute H. This chute is adapted for inlet of coal to the compartment or hopper C', and it is maintained in a normally-closed condition.

Mounted upon the central partition B is a sliding door I, which depends downwardly across the inlet to the recess E. This door is adapted to regulate the supply of coal from the hopper to the scoop F, and it is adjusted vertically by means of a pinion j, secured to a shaft J, the pinion engaging a rack i upon the door I. This rack, as shown in the drawings, comprises a series of apertures leading through the door I; but it is obvious that a rack composed of extended teeth may be employed, if desired.

As a means for operating the pinion j a crank j' is connected to the outer end of the shaft J.

Located beneath the scoop F through the lower wall or bottom of the cabinet is an aperture a^2, which is preferably supplied with a grating a^3 at its inlet. This said aperture communicates with a chute K, which leads into a sliding drawer L, and the object of this is to receive any coal-dust which may adhere to the bottom of the scoop F during the operation of removing said scoop. When the said drawer becomes filled or partially filled with dust, the same can be removed and emptied.

In the operation and use of the device the hopper or compartment C' is filled with coal

through its chute H, and the pressure or weight of the coal causes a quantity thereof to be constantly forced in a forward direction beyond the sliding door I and onto the scoop F, the quantity being regulated by the position of the said door. When it is desired to remove a portion of the coal from the chute, it is simply necessary to remove the scoop F, and it is obvious that the same can be used in the place of an ordinary shovel.

I do not confine myself to the specific details of mere mechanical construction as herein shown and described nor to the exact shape and appearance of the cabinet, as it is obvious that under the scope of my invention I am entitled to slight structural variations.

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

1. In an article of furniture, the combination of a shell or box divided by a vertical partition into a front and rear vertical compartment, the front compartment being closed at its bottom by a horizontal partition, and a recess beneath the front compartment which communicates with the rear compartment, the lower walls of the rear compartment being inclined downwardly and leading to said bottom recess, and a sliding scoop fitting within said recess, and the vertical partitions depending within the bottom recess and immediately within the side walls of the scoop, substantially as and for the purpose set forth.

2. In an article of furniture, the combination of a shell or box divided by a vertical partition into a front and rear vertical compartment, the front compartment being closed at its bottom by a horizontal partition, and a recess beneath the front compartment, which communicates with the rear compartment and depending walls within said recess, a sliding scoop fitting within said recess and engaging said depending walls, the recess having an aperture in its bottom beneath the sliding scoop from which aperture extends a chute, and a drawer forming a receptacle from said chute, substantially as and for the purpose set forth.

3. In an article of furniture, the combination of a shell or box divided by a vertical partition into a front and rear vertical compartment, the front compartment being closed at its bottom by a horizontal partition, and a recess beneath the same which communicates with the rear compartment, the lower walls of the rear compartment being inclined downwardly and leading to said bottom recess, and vertical partitions depending within the said recess, and a sliding scoop fitting within said recess and having side walls which engage the said vertical partitions and a vertically-adjustable door mounted at the bottom of the vertical partition which separates the front and rear compartments and projects downwardly across the inlet to the bottom recess, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of two witnesses, this 27th day of December, 1898.

CHRISTIAN M. NELSEN.

Witnesses:
O. JENSEN,
LAURITZ P. NIELSEN.