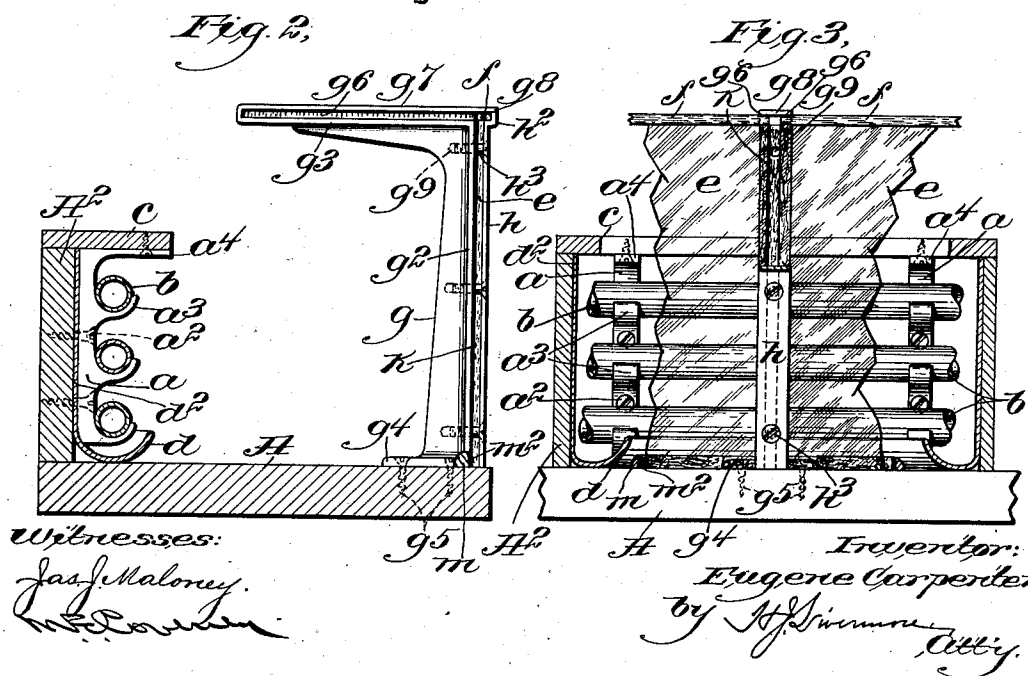
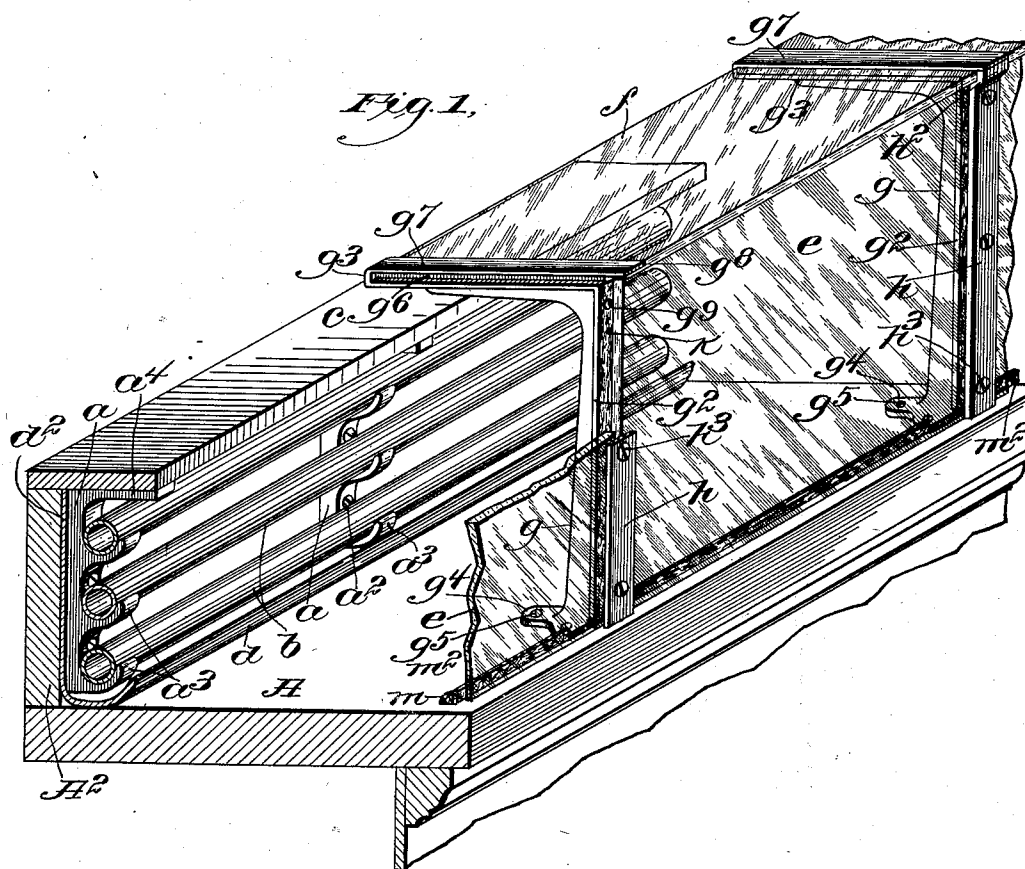


1,011,407.

Patented Dec. 12, 1911.



UNITED STATES PATENT OFFICE.

EUGENE CARPENTER, OF NEWTON, MASSACHUSETTS.

REFRIGERATED COUNTER.

1,011,407.

Specification of Letters Patent.

Patented Dec. 12, 1911.

Application filed February 28, 1910. Serial No. 546,395.

To all whom it may concern:

Be it known that I, EUGENE CARPENTER, a citizen of the United States, residing in Newton, in the county of Middlesex and State of Massachusetts, have invented an Improvement in Refrigerated Counters, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

The present invention relates to a refrigerated counter or show case in which a refrigerating coil is partly inclosed between front and rear walls, the top of the counter, however, being exposed so that goods displayed can be removed, the counter having at the front a show case portion of glass, and at the rear a shelf for the convenience of the salesman in filling out sales-slips, &c.

The invention relates to the general construction of the counter, and also to the specific construction and arrangement of the brackets which hold the refrigerating coils and the brackets which hold the glass front and top which constitute the show case portion.

The brackets which support the refrigerating coils are also arranged to constitute the support for the rear shelf, the said rear shelf extending along the top of the vertical wall at the back of the counter, while the refrigerating coils extend along within said rear wall and below the rear shelf, the rear wall and shelf, and the show case portion which consists of a front wall and shelf, thus forming a chamber open at the top so that the goods on the counter are accessible, the inclosure, however, being sufficient to keep the air therein thoroughly chilled for the preservation of the goods displayed. The front or show case portion not only contributes in forming the chamber, but also prevents customers from handling the goods which are nevertheless exposed for inspection.

Figure 1 is a perspective view, partly in section, of a counter embodying the invention; Fig. 2 is a transverse section; and Fig. 3 is a front elevation, partly in section, to illustrate the construction of the supports for the glass front and top.

The counter A, which may be of any suitable construction or design, is provided, in accordance with the present invention, with a vertical rear wall A² which constitutes the support for the brackets a which are adapt-

ed to be secured to said rear wall, as by screws a². The said brackets, which are shown as provided with screw holes for the screws a², have curved, projecting members a³, as many in number as there are refrigerating pipes b, the shape of said projections being such as to form pockets for the support of the pipes. The brackets are also provided with flat, horizontal projections a⁴ at the top, which constitute a support for the shelf c, which is of sufficient width to afford a convenient support for the sales-slips and the like, and also a cover or closure projecting over the refrigerating pipes to assist in creating a circulation, and causing the air near the top of the counter to remain thoroughly chilled. These same brackets can be utilized as the support for a drip pan d which is herein shown as formed of sheet metal having a curved channel portion at the bottom and a vertical portion d² adapted to lie against the front of the rear wall A² and to be clamped thereon and held in position by the screws a² which hold the brackets a.

In order to confine the stratum of chilled air over the surface of the counter, and at the same time to prevent customers from handling the goods, without interfering with the proper display thereof, the front of the counter is provided with a vertical wall of glass e, preferably higher than the rear wall A², there being also a horizontal covering or inclosing portion f which is also of glass, and projects to the rear as far as is practicable without interfering with the accessibility to the display portion of the counter. These glass walls are shown as supported by means of brackets g having vertical and horizontal members g² and g³, the former being provided with a base plate g⁴ adapted to be secured to the surface of the counter as by screws g⁵.

In order to dispense, so far as possible, with fastening devices for the plates of glass which form the walls, and at the same time to cover the adjacent edges of the glass plates, and for the purpose of utilizing brackets as small as possible, I provide the horizontal member g³ of the bracket with the channels g⁶ at opposite sides, into which channels the top plates f may be slid endwise. That portion of the bracket g which extends across the top of the counter is thus smooth and unbroken, as indicated at g⁷, Fig. 1, and has a neat finish which can

easily be kept clean and polished, thus adding greatly to the appearance of the counter or show case as a whole. The said top portion g^7 projects forward of the vertical member g^2 , the front face of which is flat, the forward projection being indicated at g^8 , Figs. 1 and 2, and extending far enough to cover and project slightly beyond the front edge of the top glass plate f . The vertical plates e lie flat along the front face of the vertical bracket member g^2 , and are held in position by means of a vertical clamping strip h which consists of a flat plate having an offset portion h^2 at the top to project in front of the top plate f . This clamping plate h is held in position by means of screws h^3 which extend, between the adjacent plates e , into the screw holes g^9 in the face of the vertical member g^2 . By this construction, the glass plates can all be removed by merely taking off the clamping members h , and the top of the show case part is smooth and unbroken and free from fastening devices or other projecting portions around which dirt can collect.

In order to exclude, so far as possible, the warm air outside of the refrigerated space, the more open joints are packed with a yielding substance, such as strips of felt. In the construction shown, the front face of the vertical bracket member g^2 is supplied with a strip of felt k which lies between said bracket member and the glass, and constitutes a tight packing when the clamping screws have been fastened in.

Along the lower edges of the vertical front plates, when these plates adjoin the counter, a shoulder m may be formed, as by securing a strip of beading to the surface of the counter; and a strip m^2 of yielding packing material, such as felt, is shown as interposed between the shoulder and the glass.

What I claim is:

1. A refrigerating counter provided at the rear with a vertical wall; brackets adapted to be supported upon the front of said vertical wall, said brackets having projections to support refrigerating pipes; and a supplemental projection at the top to support a rear shelf, combined with means for partially inclosing the counter at the front to retain the chilled air.

2. The combination with a partially inclosed counter; of a vertical wall at the rear provided with a horizontal inclosing portion or shelf projecting forward of said wall; brackets secured to said wall to support said horizontal portion, said brackets also having supporting arms for the pipes of a refrigerating coil; and a drip pan extending along below said pipes and held in position by said brackets, substantially as described.

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

EUGENE CARPENTER.

Witnesses:

JAS. J. MALONEY,
W. E. COVENEY.