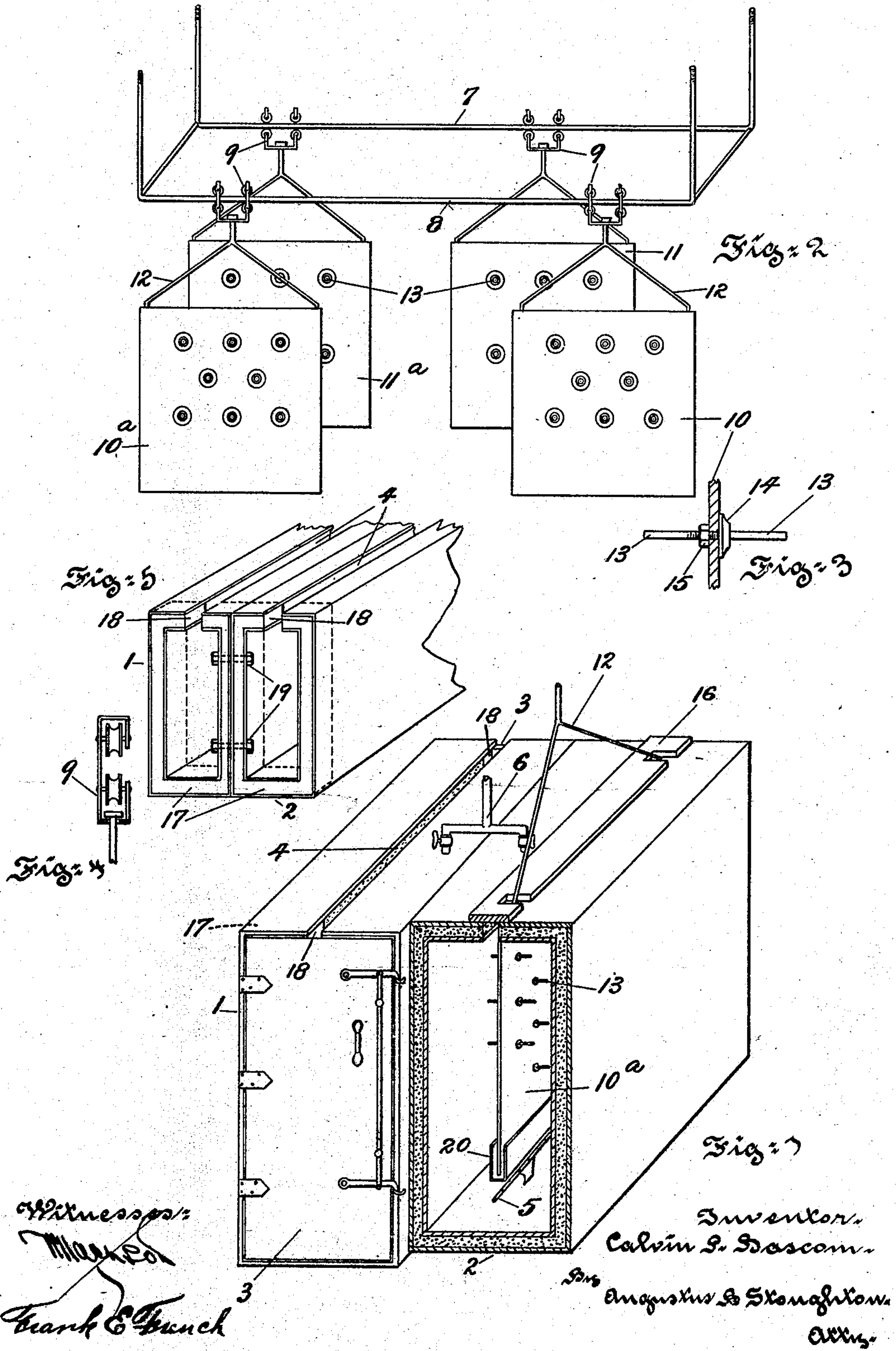


C. P. BASCOM.  
 DRYING OVEN.

APPLICATION FILED AUG. 10, 1906.

905,047.

Patented Nov. 24, 1908.





# UNITED STATES PATENT OFFICE.

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## DRYING-OVEN.

No. 905,047.

Specification of Letters Patent.

Patented Nov. 24, 1908.

Application filed August 10, 1906. Serial No. 329,988.

*To all whom it may concern:*

Be it known that I, CALVIN P. BASCOM, a citizen of the United States, residing at the city of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Drying-Oven, of which the following is a specification.

One object of the present invention is to provide an efficient and convenient oven for baking a finish on tools and the like.

Another object of the invention is to provide an oven and its accessories by means of which a great number of tools can be treated in a comparatively short time and even by unskilled labor.

To these and other ends hereinafter set forth the invention, stated in general terms, comprises the improvements to be presently described and finally claimed.

The nature, characteristic features and scope of my invention will be more fully understood from the following description taken in connection with the accompanying drawings forming part hereof and in which

Figure 1, is a perspective view illustrating an oven embodying features of the invention and showing some of the parts removed. Fig. 2, is a similar view illustrating parts of the apparatus shown in Fig. 1. Fig. 3, is a sectional view illustrating a detail of construction. Fig. 4, is a view illustrating another detail of construction, and Fig. 5, is a view illustrating one of the end frames of the oven.

In the drawings 1 and 2, are a pair of ovens arranged side by side and each is open at both ends and the open ends are fitted with doors 3. There is a lengthwise ranging slot or opening 4, through the top wall of each oven, and each oven is fitted with a heater 5, shown as consisting of a gas burner arranged lengthwise along the floor of the oven.

6, indicates valved gas fittings for supplying the heaters or burners 5.

Arranged above the oven and parallel with the slots 4, are tracks 7, and 8, which extend beyond the ends of the oven. 9, are carriages adapted to these tracks and suspended from them are carriers 10, 10<sup>a</sup>, 11 and 11<sup>a</sup>. Each carrier consists of a plate having at its top rods 12, which are connected with the respective carriers by turn

buckles so that the carriers may be turned around while they are suspended from the carriages.

13, are pins which project from the faces of the plates that constitute the carriers. As shown these pins project through the carriers and are provided on one side with a head 14, and on the other side with a nut 15.

16, are cover plates adapted to be detachably laid over the slots 4, and they are marginally notched for the accommodation of the rods 12. The oven consists of two end frames connected together by metal inside and outside sheets which constitute the top, bottom and side walls of the ovens, and each frame consists of two generally rectangular frames 17, slotted as at 18, and secured together along their meeting edges as at 19. The space between the inner and outer sheets is filled with asbestos between the frames 17.

20, are shields arranged above the burners 5.

In use one of the carriers is placed in each of the two ovens and the other two carriers are outside of the ovens. Upon the pins of the carriers which are in the ovens are suspended tools, the finish upon which is being baked and tools which are to be baked are being hung upon the pins of one of the other carriers and finished tools are being taken off of the other carrier. For this purpose the carriers may be turned about their swivels so that the operator may have access to the pins on each of their faces. The operator may first put upon the proper carrier the tools which are to be baked and then remove those which have been baked from the other carrier, and this may be done while two of the carriers are in the oven so as to have the tools which they carry baked. When the carriers are to be moved, the plates 16, are removed and these plates are applied so as to confine the heat during the baking operation just as the doors 3, are closed during the baking operation and are opened to permit of the movement of the carriers. In this way the operator may hang tools upon one of the carriers, remove tools from the other of the carriers while tools are baking at different stages of completion on the other two carriers and by repeating these operations with the various carriers in rotation practically none of the attendant's time is lost.

I claim:

1. A drying apparatus consisting of two



ovens arranged side by side and respectively provided at their tops with slots and at their ends with doors, carriers provided with facial pins, and arranged to enter and pass  
5 through the oven space, tracks having movable carriages and arranged above the slots, connections between the carriages and the carriers which are accommodated by the slots, and heating means within the ovens,  
10 substantially as described.

2. The combination of an oven containing heating means and provided at its ends with doors and at its top with a slot, a track having a movable carriage and alined with  
15 the slot, a tool carrier adapted to be received by the oven, suspension devices interposed between the carrier and the carriage, and a cover plate adapted to close the slot and notched for the accommodation of the sus-  
20 pension means, substantially as described.

3. The combination of an oven provided at its ends with doors and at its top with a slot, a heater arranged near the floor of the oven in alinement with the slot, a shield over the heater, a tool carrier, a track having a mov- 25  
able carriage and alined with the slot, and means for suspending the tool carrier from the carriage, substantially as described.

4. The combination of a track provided with a movable carriage, a plate suspended 30  
from the carriage, pins penetrating the plate and provided with heads and with threaded portions, and nuts engaging the threaded portions, substantially as described.

In testimony whereof I have hereunto 35  
signed my name in the presence of witnesses.

CALVIN P. BASCOM.

Witnesses:

FRANK E. FRENCH,

MARTIN V. BERGEN, Jr.