(No Model.) 2 Sheets—Sheet 1.

G. KELLY.

FIRE SHIELD.

No. 345,147. Patented July 6, 1886.

Fig. 1.

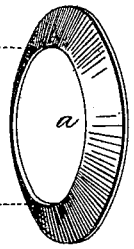


Fig. 2.

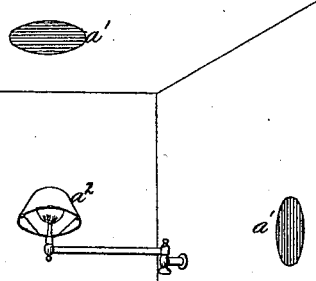
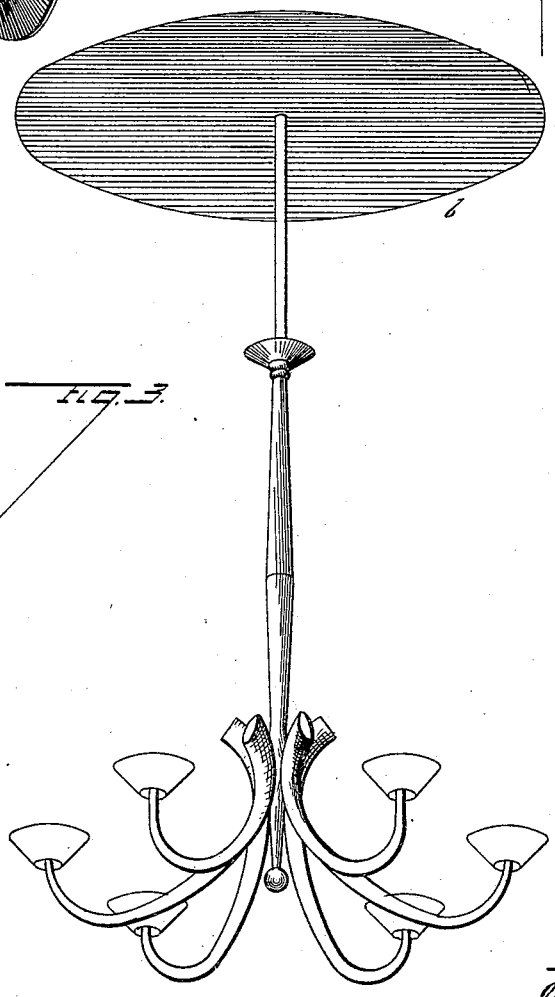


Fig. 3.



Witnesses:
H. C. McArthur
F. Stratton

Inventor,
George Kelly
per H. Harrison
Attorney.

(No Model.) 2 Sheets—Sheet 2.

G. KELLY.

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Fig. 4.

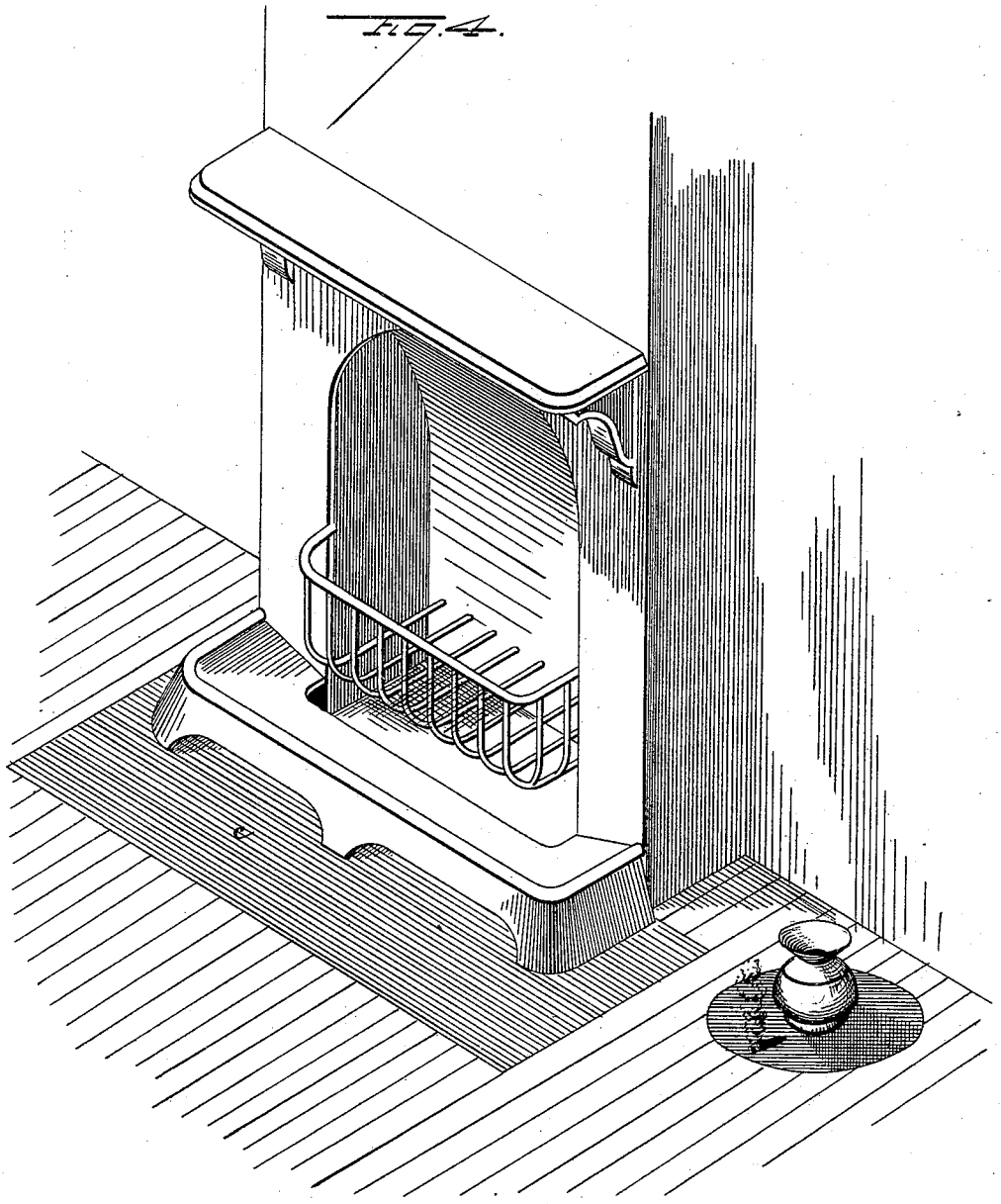
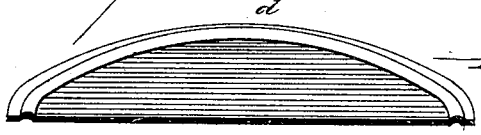


Fig. 5.



Witnesses.
H. C. McArthur.
F. Stratton

Inventor.
George Kelly
per
H. Harrison
Attorney.

UNITED STATES PATENT OFFICE.

GEORGE KELLY, OF CHICAGO, ILLINOIS.

FIRE-SHIELD.

SPECIFICATION forming part of Letters Patent No. 345,147, dated July 6, 1886.

Application filed May 5, 1885. Serial No. 164,489. (No model.)

To all whom it may concern:

Be it known that I, GEORGE KELLY, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Fire-Shields, of which the following is a specification, to wit:

This invention relates to fire-shields; and it consists in the peculiar construction of the same, substantially as will be hereinafter more fully set forth and claimed.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and use, referring to the accompanying drawings, in which—

Figure 1 represents my shield made in the form of a stove-pipe collar. Figs. 2 and 3 represent it applied to protect the walls and ceiling of a room from the heat of the gas. Fig. 4 represents it applied in front of an open grate and under a spittoon to protect the floor and carpets from coals and lighted cigars, and Fig. 5 is a sectional view of a stove-board such as is commonly placed under heating-stoves.

The object of this device is to provide a shield formed into any desired shape and size, according to the use it is designed to apply it to, such shield being cheaply formed of fire-proof materials, substantially as follows: I take one or more sheets of what is known to the trade as "asbestus felting" and coat the same with silica and mineral wool made into a paste and spread upon the asbestus felting to the proper thickness. This forms a very cheap and light shield, that is perfectly fire-proof, will not crack under pressure, and is readily molded or pressed into any fancy or ornamental design, and may be readily painted, as desired, to correspond with its surroundings.

I design to form this shield into any form required, and it is evident that it is applicable to many places where there is danger of fire. Thus it forms a stove-pipe collar or thimble, *a*, as in Fig. 1, or a shade and shield for a gas-flame, *a'*, as in Fig. 2, when it may be attached to wood-work and other inflammable material exposed to contact with gas-flames, and is ornamented in any way desired. In this view is also shown a shade, a^2, made of the same material.

In Fig. 3 is shown the material or shield used as a center-piece, *b*, for gas-chandeliers and similar work. These in the case of low rooms are exposed to great heat and often ignite when made of wood or similar material, and I desire to shield the room from such danger, as shown in the drawings.

In Fig. 4 the shield is represented as a substitute for oil-cloth or zinc in the protection of the carpet from injury from live coals from a fire-place or lighted cigars or matches carelessly thrown down. This is made more ornamental than the zinc, and painted or printed in colors or pressed into fancy designs it is an attraction as well as a protection, and when placed, as shown at *c*, in front of a fire-place, obviates the necessity of cutting and folding back the carpet at this point as is often done.

In Fig. 5 I have shown a sectional view of a stove-board, *d*, and it will be obvious that the shield may be bent around a furnace to protect surrounding objects, and formed in many other ways not necessary to show in this connection, but all forming an effectual protection from the danger of fire.

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

As a new article of manufacture, a fire-shield formed of asbestus felting coated with a paste of silica and mineral wool, substantially as shown and described.

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

GEORGE KELLY.

Witnesses:
W. C. MCARTHUR,
F. STRATTON.