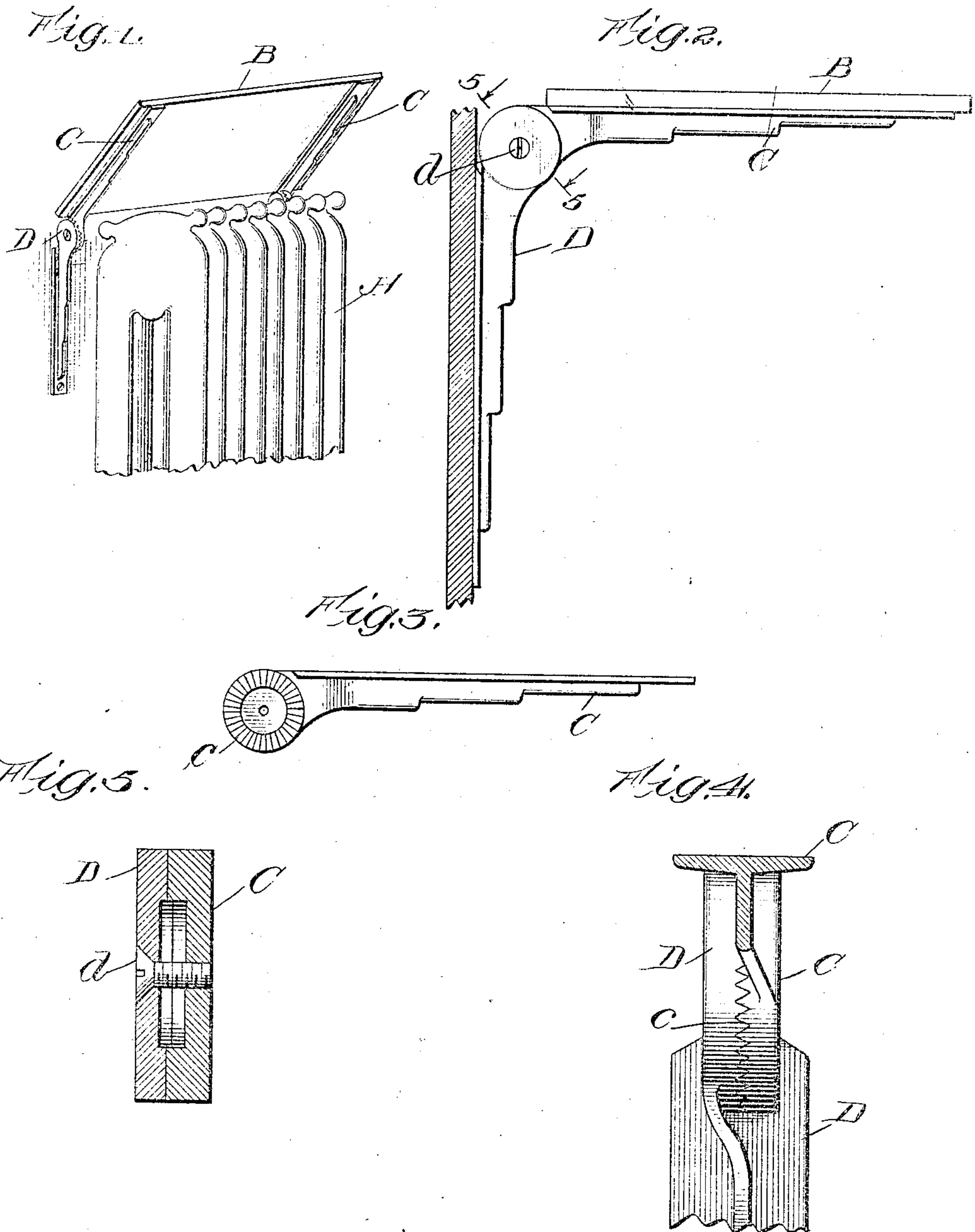


No. 800,636.

PATENTED OCT. 3, 1905.

E. M. FANCHER.
HEAT SHIELD FOR RADIATORS.

APPLICATION FILED JULY 1, 1904.



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HEAT-SHIELD FOR RADIATORS.

No. 800,636.

Specification of Letters Patent.

Patented Oct. 3, 1905.

Application filed July 1, 1904. Serial No. 214,975.

To all whom it may concern:

Be it known that I, EUGENE M. FANCHER, a citizen of the United States, and a resident of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Heat-Shields for Radiators, of which the following is a full, clear, and exact description.

Heretofore many expedients have been adopted to shield the walls and prevent the discoloration thereof above the radiators of heating systems which have been more or less effective. This discoloration is due to fine particles of dust and dirt which have been cooked or burned by coming in contact with the heated radiator and carried upward by the heated air-current and adhering to adjacent wall or other condensing-surface they subsequently strike against. The dirt and dust discoloration thus caused is not, therefore, confined to the wall, but includes the shield as well. Where this shield is of sheet metal, they are usually made sort of hood shape and painted, and besides not being susceptible of a very graceful design soon become discolored and tarnished. When the radiators are inclosed in an open-work cast-metal casing, a marble or stone slab is placed on top thereof over the radiator and while susceptible of considerable ornamentation soon becomes a receptacle for an accumulation of dust and dirt, which pollutes the atmosphere to an extent worse than if the radiator was unprotected.

The object of my invention is to provide a shield which is neat and highly effective, which can be raised to the desired angle to throw the rising currents of dust-laden heated air outward into the room away from the adjacent wall when the radiator is in use, can be easily wiped or dusted when soiled without rusting or tarnishing, can be lowered to a horizontal position and used as a shelf or bracket when the radiator is not in use, and at all times permits the radiator-coils to be seen and creates an impression of airiness and cleanliness. This I accomplish by the means hereinafter fully described and as particularly pointed out in the claim.

In the drawings, Figure 1 is a perspective view of the upper portion of the radiator of a steam or hot-water heating system, showing my improvements in connection therewith.

Fig. 2 is an end edge view of my invention. Fig. 3 is a side view of one of the sections or branches of the hinged bracket used in connection therewith. Fig. 4 is a front view of one end of my invention. Fig. 5 is a transverse section taken on dotted line 5 5, Fig. 2.

In the drawings, A represents the radiator or other heat-generator, and B represents a plate-glass shield, preferably of a rectangular shape, of a length slightly exceeding the length of the radiator and of a width sufficient to enable it to project from the adjacent wall back of the said radiator out over the same when in the raised or inclined position shown in Fig. 1. This glass shield is loosely supported upon the outwardly-projecting adjustable branch C of a bracket whose perpendicular branch D corresponds with branch C and is secured by screws or otherwise to the wall. The rear end of branch C, which articulates with the upper end of branch D of the brackets, is provided with a rosette-ratchet *c* in its side facing branch D, and branch D is provided with a similar ratchet, which is engaged thereby. A screw *d*, passing through a suitable smooth hole in the vertical branch D into a tapped hole in branch C concentric with ratchet *c*, secures these branches together. By loosening these screws the brackets can be adjusted, as desired, in a position similar to that shown in Fig. 1 or Fig. 2 of the drawings, and by tightening said screw, so as to cause the ratchets to intermesh, the shield will be held in its adjusted position.

What I claim as new is—

The combination with a radiator, of a shield comprising a plate of glass, and hinged brackets consisting of stationary screw-plate branches secured to a suitable support, and branches upon which said glass is supported in position over said radiator, each branch having a rosette-ratchet in its side which intermeshes with a similar ratchet in the engaged side of the upper end of said wall branches, and a screw pivotally connecting said branches concentric with said ratchets.

In testimony whereof I have hereunto set my hand this 18th day of May, A. D. 1904.

EUGENE M. FANCHER.

Witnesses:

FRANK D. THOMASON,
E. K. LUNDY.