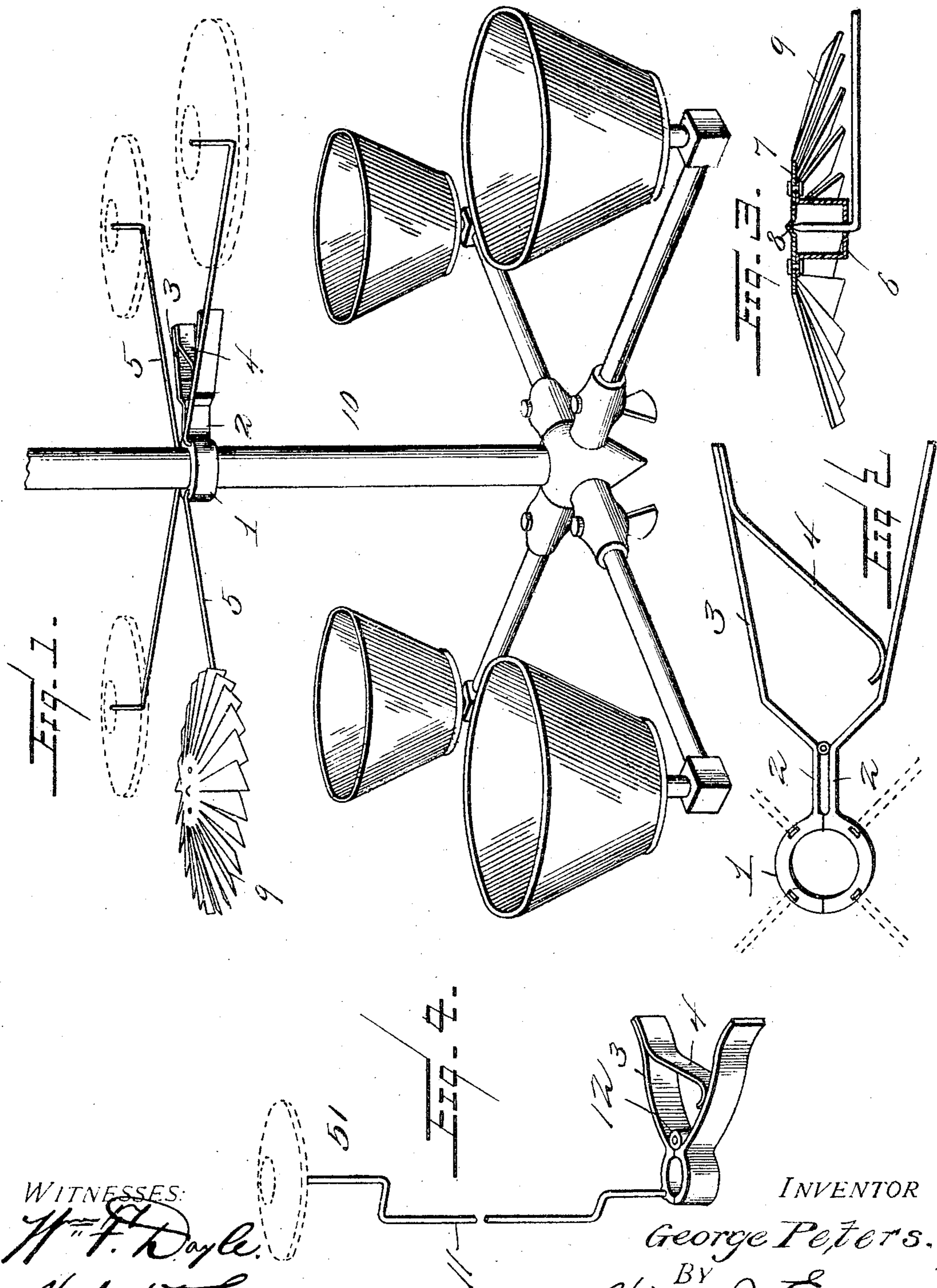


No. 797,912.

PATENTED AUG. 22, 1905.

G. PETERS.
ATTACHMENT FOR GAS FIXTURES.
APPLICATION FILED OCT. 31, 1903.



WITNESSES:
Wm F. Doyle.
Herbert D. Lawson.

INVENTOR
George Peters.
BY
Victor J. Evans
Attorney

UNITED STATES PATENT OFFICE.

GEORGE PETERS, OF READING, MASSACHUSETTS.

ATTACHMENT FOR GAS-FIXTURES.

No. 797,912.

Specification of Letters Patent.

Patented Aug. 22, 1905.

Application filed October 31, 1903. Serial No. 179,406.

To all whom it may concern:

Be it known that I, GEORGE PETERS, a citizen of Switzerland, residing at Reading, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Attachments for Gas-Fixtures, of which the following is a specification.

My invention relates to new and useful improvements in attachments for gas-fixtures, and its object is to provide a device of simple and inexpensive construction which can be readily placed in position and which is adapted to distribute soot and other products of combustion so as to prevent discoloration of the ceiling above the gas-fixture.

The invention consists in the novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a perspective view showing the attachment in position upon a gas-fixture, some of the deflecting-wheels being illustrated by dotted lines. Fig. 2 is a plan view of the clamp. Fig. 3 is a section through one of the wheels, and Fig. 4 is a detailed view of a modified form of attachment.

Referring to the figures by numerals of reference, 1 1 are semicircular clamping-sections, serving as a two-part supporting-frame, said clamping-sections being formed at the ends of arms 2, which are hinged together and provided with shanks 3, to one of which is secured a spring 4. This spring is adapted to bear upon the other shank and hold the two clamping-sections 1 normally closed. Extending from one or both of the clamping-sections are arms 5, preferably formed of wire, the free end of each arm being bent at an angle to the arm and forming a spindle 5', projecting into a cylindrical casing 6, formed upon the lower surface of the center of a wheel 7. The chamber 6 has a bottom 6', apertured for passage for the spindle 5' and forming a bearing for the wheel at a point below the end of the spindle. The end of the spindle is tapered and fits within a recess 8, formed at the center of said wheel, and inclined blades 9 project from the central portion of the wheel, so as to cause the wheel to rotate when hot products of combustion contact therewith when rising from the flame.

By thus providing the center of the wheel with the bearing-recess 8, receiving the tapered end of the spindle, and arranging the bottom or body portion 6' of the casing 6 so as to form a bearing turning upon the lower portion of the spindle the wheel 7 is held accurately centered to rotate in true horizontal plane, and is prevented from tilting or wobbling upon the spindle as it rotates thereon.

In using the device the clamping members 1 are spread apart by compressing spring 4 and are then placed at opposite sides of the gas-fixture 10, and released so as to clamp thereupon. The arms 2 are clamped so as to bring the wheels 7 in position above the burners, and it will be seen that these wheels will deflect the products of combustion and prevent them from coming into contact with the ceiling. I do not restrict myself to any number of arms in connection with the clamp, the number thereof being equal to the number of burners upon the fixture 10. In Fig. 4 I have shown a clamp provided with a single upwardly-extending arm 11, which projects into a wheel similar to the one hereinbefore described. The clamp shown in this figure is substantially similar to the clamp illustrated in Fig. 1, with the exception that the arms 2 are dispensed with and a hinge 12 is provided at the inner ends of the clamping member 1.

It will be seen that the device is very simple and inexpensive in construction and can be quickly attached to or removed from a fixture.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus described the invention, what is claimed as new is—

An attachment for gas-fixtures comprising a support designed to be removably connected with a fixture, said support comprising a sectional ring to encircle the fixture, an arm having an end portion seated within a recess formed in said ring, the body of the arm radiating from the ring approximately on a plane with the upper edge thereof, the free end of the arm being bent upwardly at a right

angle, and a wheel supported on the free end of the said arm, said wheel comprising a disk formed with a central indentation to receive the end of the arm, a guide-casing depending from said disk and inclosing the right-angled portion of the arm, and vanes radiating from said disk.

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

GEORGE PETERS.

Witnesses:

T. R. CAMP,
FREDK. P. OLIN.