

J. E. TYLER.
OIL ARRESTER.
APPLICATION FILED MAY 21, 1912.

1,053,760.

Patented Feb. 18, 1913.

Fig. 1.

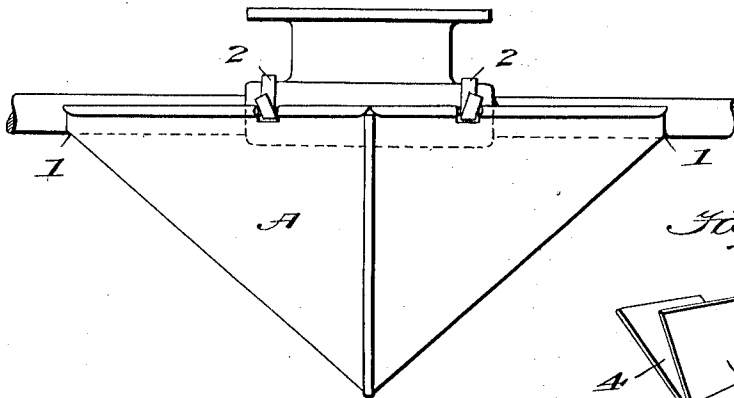


Fig. 5.

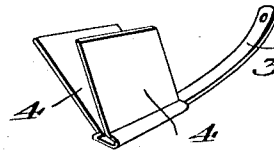


Fig. 2.

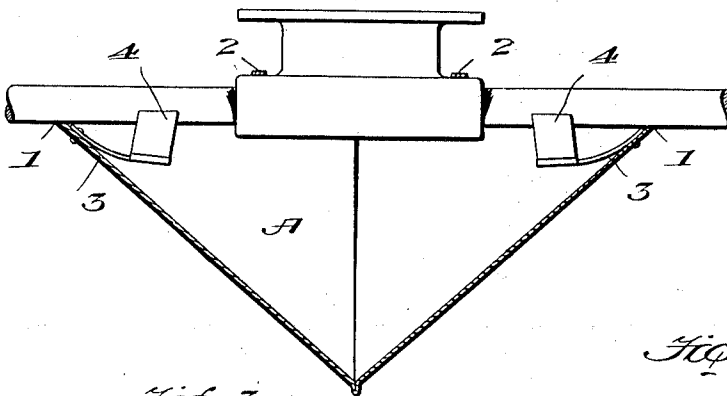


Fig. 3.

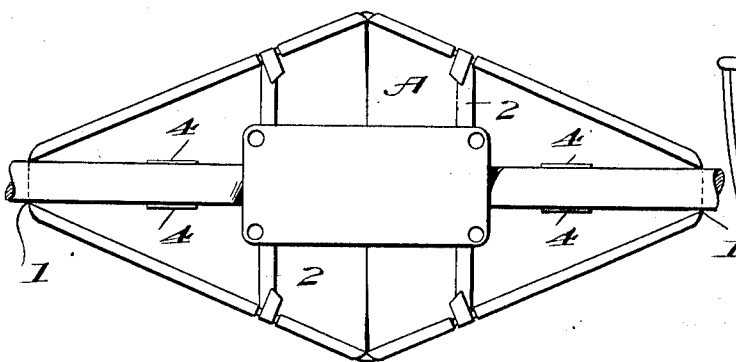
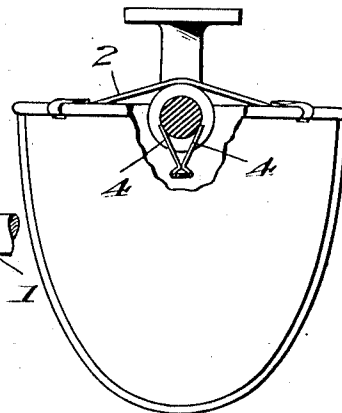


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

JAMES E. TYLER, OF DANVILLE, VIRGINIA.

OIL-ARRESTER.

1,053,760.

Specification of Letters Patent.

Patented Feb. 18, 1913.

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To all whom it may concern:

Be it known that I, JAMES E. TYLER, a citizen of the United States, residing at Danville, in county of Pittsylvania and State of Virginia, have invented certain new and useful Improvements in Oil-Arresters, of which the following is a specification.

My invention relates to an improvement in oil arresters, and the object is to provide means for trapping superfluous or waste oil from shafting hanger-boxes and preventing it from following the shafting, and catching it in a drip-pan or box, thus preventing it from dripping from the hanger-boxes or shafting.

With this object in view, my invention consists in an inverted hood-shaped pan or box, the ends of which are cut away and rounded to fit the under side of the shafting and provided with inwardly-projecting spring-suspended wings which bear yieldingly upon the shafting from beneath, thereby removing the oil and accumulation so that it is caught in the pan or box and is prevented from following the shafting and dripping to the floor.

My invention further consists in certain details of construction which will be hereinafter more fully described and pointed out in the claims.

In the accompanying drawings:—Figure 1 is a view in side elevation, Fig. 2 is a longitudinal sectional view, Fig. 3 is a top plan view, and Fig. 4 is a transverse section through the longitudinal center. Fig. 5 is a view in perspective of one of the wings.

A, represents the drip-pan, it being preferably made of sheet-metal and approximately V-shaped in side elevation, U-shaped in end elevation, and diamond-shaped in top plan view, as the different figures indicate. At the ends it is cut away and rounded as at 1, 1, to fit and embrace the lower side of the shafting. Straps 2, 2, are provided as a means for suspending the drip-pan from the shafting hanger-boxes, they crossing over to embrace the hanger from either side, as indicated in the drawings. Within the ends

of the pan and projecting inwardly therefrom are the springs 3, 3, and on the free ends of these springs are placed the V-shaped wings 4, 4, which straddle and embrace the lower side of the shafting, and as the latter turns between said wings they have the effect of removing the oil and accumulation thereon at a point sufficiently toward the center of the pan to insure the oil falling into the latter, and preventing its working along the shafting outside of the pan. By reason of the spring-supports of the wings, the latter yieldingly but constantly follow the surface of the shafting, thus precluding the possibility of any of the oil, or enough of the oil to drip, passing outwardly beyond them.

All features are connected with the pan itself, and when the pan is applied and properly adjusted the wings fall yieldingly into place to perform their functions, and the shape of the pan is such that this condition is absolutely assured.

More or less slight changes might be resorted to in the form and arrangement of the several parts described without departure from the spirit and scope of my invention, and hence I do not wish to be limited to the exact construction herein set forth, but:—

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

1. An oil arrester comprising a pan recessed at its ends to fit the shafting and carrying inwardly-projecting, yieldingly-supported wings which engage the shafting and prevent oil from following the latter beyond the ends of the pan.

2. An oil arrester comprising a V-shaped pan, the ends of which taper and are provided with curved notches to fit the shafting, means for holding the pan with its notched ends in contact with the lower side of the shafting, wings projecting inwardly within the ends of the pan, and springs for yieldingly supporting said wings and holding them yieldingly in contact with the shafting.

3. An oil arrester comprising a pan having fastening means at its top, whereby to secure it to a hanger, and provided at opposite points with inwardly-projecting springs, 5 said springs having upwardly-extending V-shape wings at their inner ends which yieldingly engage the lower surface of the shaft as the pan is raised from beneath and

adjusted into position beneath the shaft and secured to the hanger.

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

JAMES E. TYLER.

Witnesses:

GEO. L. FURGUSON,
W. W. GILBIN.
