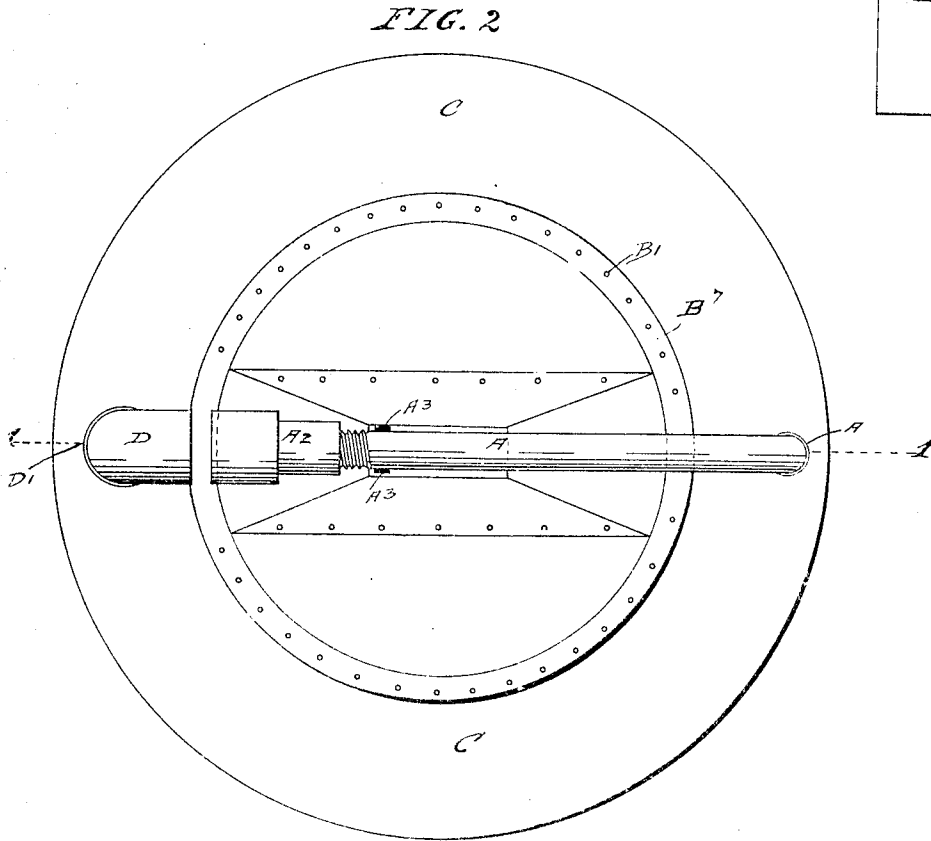
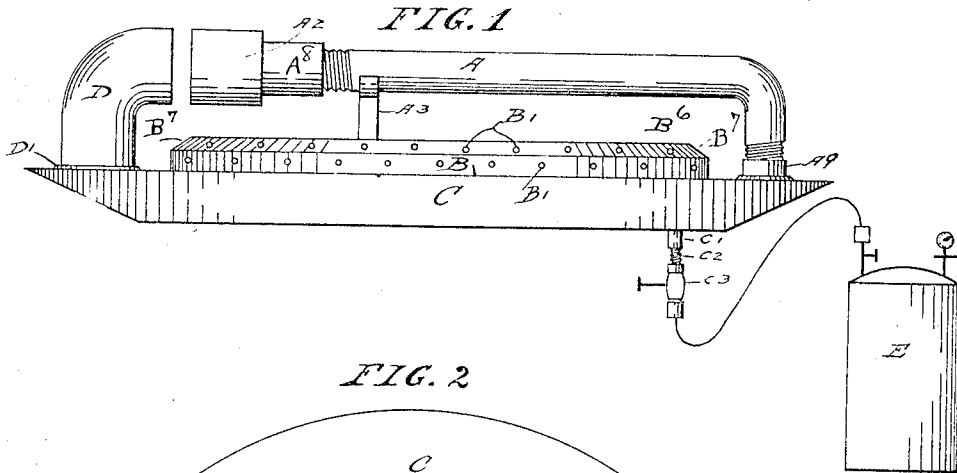


M. W. VIELHABER.
OIL BURNER.
APPLICATION FILED DEC. 12, 1910.

1,031,493.

Patented July 2, 1912.

2 SHEETS—SHEET 1.



WITNESSES

H. S. Moorland
F. C. Kean

INVENTOR
Max W. Vielhaber

M. W. VIELHABER.
OIL BURNER.
APPLICATION FILED DEC. 12, 1910.

1,031,493.

Patented July 2, 1912.

2 SHEETS—SHEET 2.

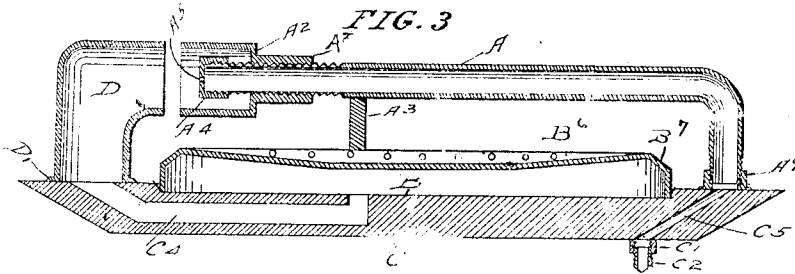
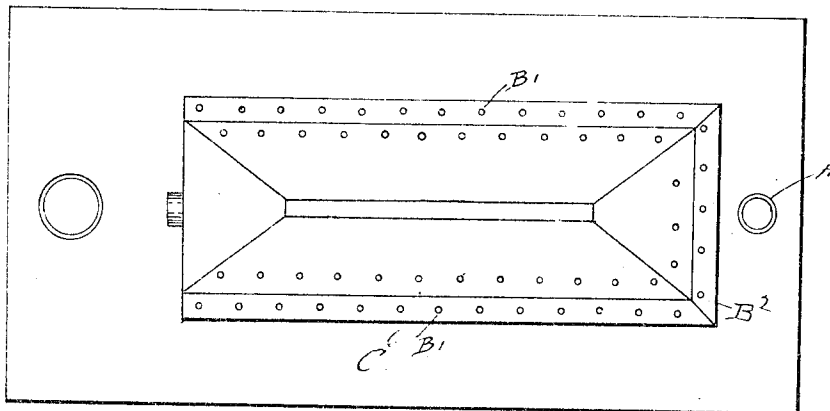


FIG. 4



WITNESSES

H. S. Montand
J. C. Kean

INVENTOR

Max W. Vielhaber

UNITED STATES PATENT OFFICE.

MAX W. VIELHABER, OF ENID, OKLAHOMA.

OIL-BURNER.

1,031,493.

Specification of Letters Patent.

Patented July 2, 1912.

Application filed December 12, 1910. Serial No. 596,959.

To all whom it may concern:

Be it known that I, MAX W. VIELHABER, a citizen of the United States, residing in the city of Enid, Garfield county, and State of Oklahoma, have invented certain new and useful Improvements in Oil-Burners, of which the following is a specification.

This invention relates to new and useful improvements in oil burners and consists in a simple and efficient device of this nature having various details of construction and combinations and arrangements of parts which will be hereinafter fully described and then specifically defined in the appended claim.

I illustrate my invention in the accompanying drawings, in which:—

Figure 1 is a side elevation of my burner. Fig. 2 is a top plan view of the invention. Fig. 3 is a sectional view taken on line 1—1 of Fig. 2, and Fig. 4 is a top plan view of a slightly modified form of the shape of the burner, parts of the superstructure of the device being omitted.

Reference now being had to the details of the drawings by letter, C designates the base of the burner which may be of any shape, which in Fig. 2 of the drawings is illustrated as being circular outlined, and said base is provided with a recess B in its upper surface in which the shell B⁶ is mounted, the top of which shell is dished or depressed and provided with marginal portion B⁷, having perforations B⁷ therein. An elbow D, having a flange D', is fitted over one end of the passageway C⁴ and has an opening in alinement with an open-ended shell A² which is spaced apart therefrom, the latter having a contracted portion A³ which is interiorly threaded and fitted upon the threaded portion of the pipe A. The end of the pipe A upon which the shell A² is mounted is exteriorly threaded to receive a cap A⁴ having a jet opening A⁵ therein. Said pipe A is supported upon a bracket A⁸ and has a threaded end engaging a union A⁹ which is

fastened to the upper surface of the base C and over the upper end of the passageway C³, which latter leads diagonally through the base and is connected by a union C' with the pipe C².

In Fig. 4 of the drawings, I have shown a slight modification of my invention, in which the base C⁶ is rectangular outlined and is provided with a similar shaped shell B², but otherwise the construction and operation of the modified form is similar to that above described and as illustrated in Fig. 2 of the drawings.

In operation, the fuel is fed through the pipe C² into the pipe A and becoming heated as it passes through the pipe A, which is positioned over the cover B, becomes volatilized and passing out through the orifice A⁵ commingles with air which is taken with the volatilized fuel through the shell D and duct C⁴ into the recess underneath the cover where the gas is formed as it makes exit through the perforations in the cover.

Having described my invention, what I claim, and desire to secure by Letters Patent is.

An oil burner comprising a base with a recess formed in its upper surface, a duct leading through the base, a pipe having threaded ends and communicating with said duct and positioned over said base portion, an apertured cap fitted to one of the threaded ends of said pipe, a threaded shell fitted to the end of the pipe upon which said cap is mounted and about the latter, an elbow fastened at one end to the base and its upper end opening in alinement with said shell and spaced apart therefrom, a duct within said base communicating at one end with said elbow and its other end leading into said recess, as shown and described.

MAX W. VIELHABER.

Witnesses:

R. A. KENT,
F. M. PULLIAM.