

A. L. KEEVIL.
KINDLING DEVICE.
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995,017.

Patented June 13, 1911.

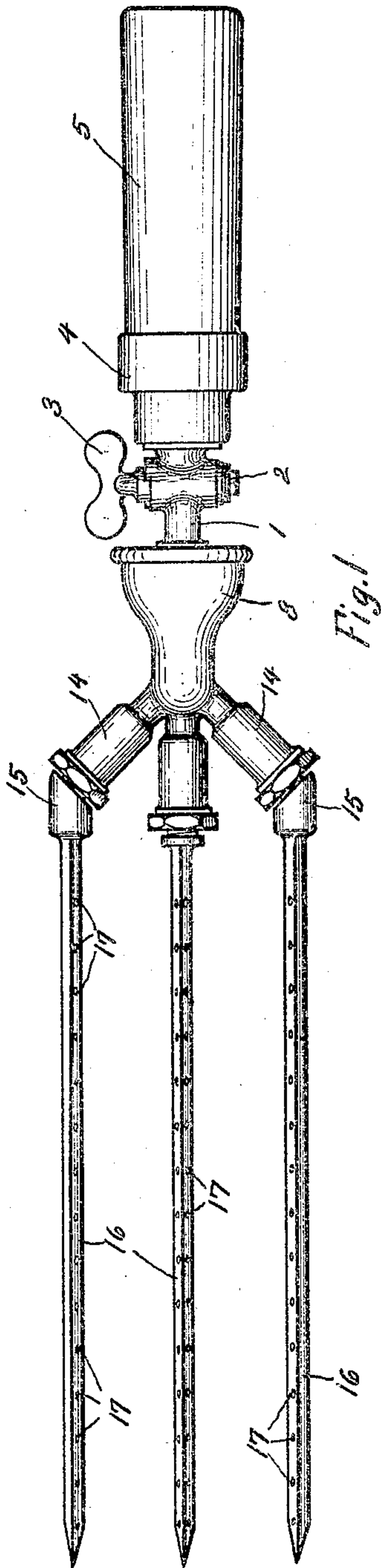


Fig. 1

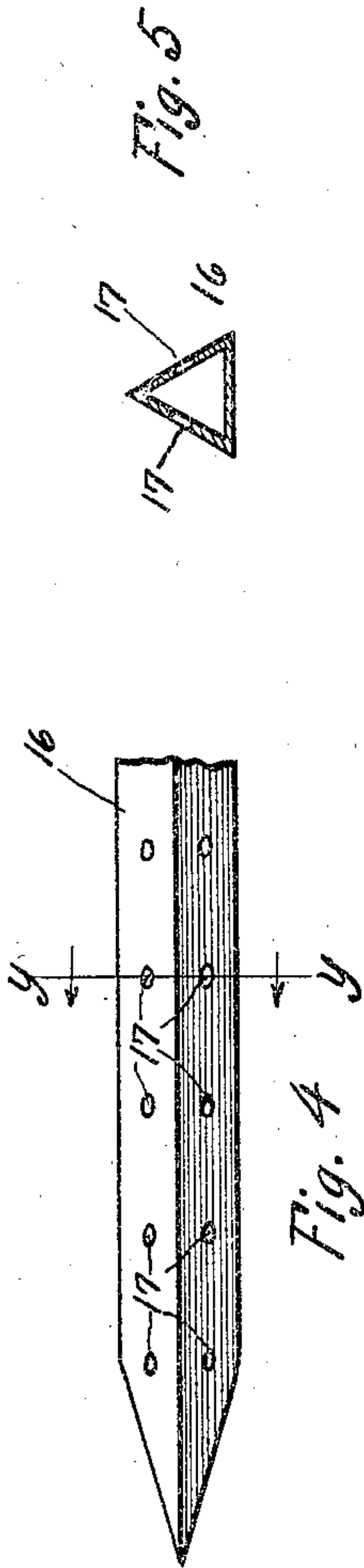


Fig. 4

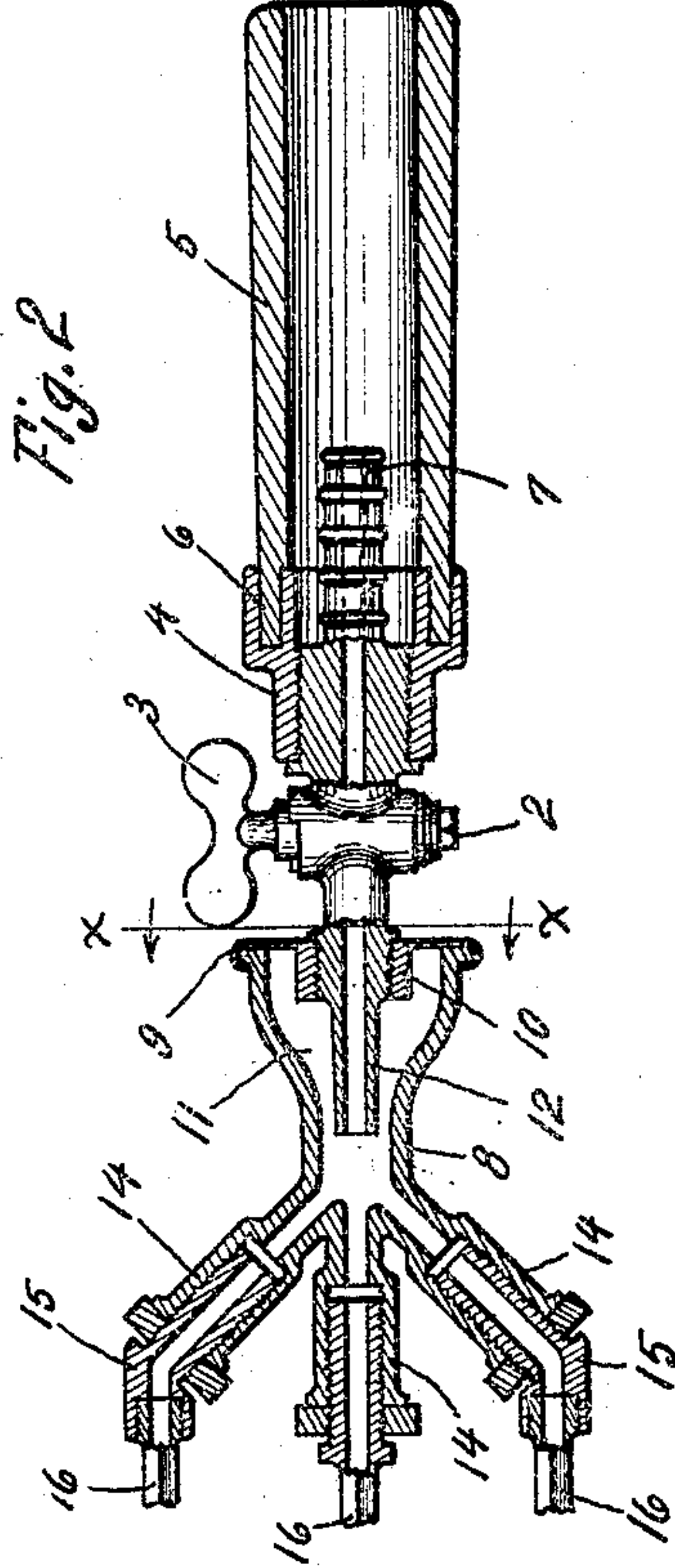


Fig. 2

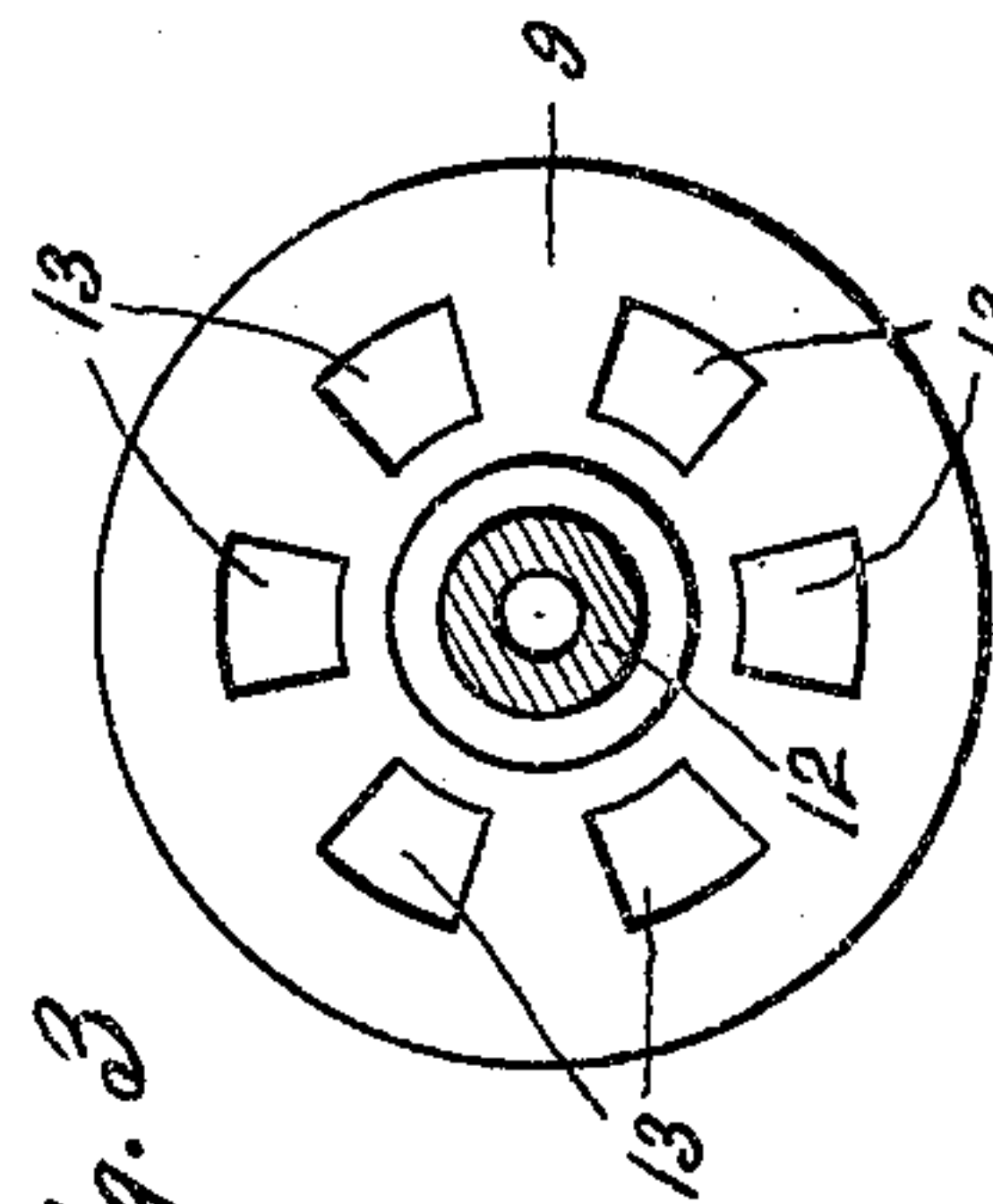


Fig. 3

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UNITED STATES PATENT OFFICE.

ALFRED LEON KEEVIL, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF TO FRANK SCHONK, OF CHICAGO, ILLINOIS.

KINDLING DEVICE.

995,017.

Specification of Letters Patent. Patented June 13, 1911.

Application filed October 24, 1910. Serial No. 588,771.

To all whom it may concern:

Be it known that I, ALFRED L. KEEVIL, a citizen of the United States, and a resident of the city of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Kindling Devices, of which the following is a specification.

My invention relates to kindling devices, that is, to that class of devices by means of which a coal or similar fire may be readily and quickly kindled in a furnace, stove or other fire-place without the use of the more readily combustible combustibles such as paper, wood or the like.

The object of my invention is the provision of a kindling device of the character mentioned which will be of durable and economical construction and efficient in operation.

Other objects will appear hereinafter.

With these objects in view my invention consists in a kindling device characterized as above mentioned and in certain details of construction and arrangements of parts all as will be more fully described and particularly pointed out in the appended claims.

My invention will be more readily understood by reference to the accompanying drawing forming a part of this specification and in which,

Figure 1 is a top plan view of a kindling device embodying the preferred form of my invention, Fig. 2 is a central sectional view thereof, the burner limbs being broken off, Fig. 3 is an enlarged transverse section taken on line $x-x$ of Fig. 2, Fig. 4 is an enlarged fragmentary detail top plan view of the outer end portion of one of the burner limbs of the device, and Fig. 5 is a transverse section taken on line $y-y$ of Fig. 4.

The preferred form of my invention as illustrated in the drawing comprises a pipe coupling 1 in which is centrally arranged a stop-cock 2 of any approved design, the stem 3 of said stop-cock being arranged for manual operation. Threaded upon one end of the coupling 1 is a collar 4 to which is rigidly secured a tubular handle 5 of any suitable insulating material, such as wood, the forward end of said handle being fitted in an annular groove 6 provided in said collar, as clearly shown in Fig. 2. The extreme outer end portion 7 of said end of the coupling is reduced and is formed in the usual

manner for the attachment of a flexible fuel supply hose thereto, the arrangement being such that a hose attached to said end of said coupling may pass through the handle 5, the latter being tubular in form to accommodate the same. Arranged upon the opposite end of said coupling 1 is a distributing head 8 the rearward end wall 9 thereof which is rigidly secured thereto, preferably in the manner shown in Fig. 2, being provided with a nipple 10 which is threaded upon said end of the coupling 1. Within the head 8 is formed a mixing chamber 11 into which projects the reduced extremity 12 of the coupling 1, the end wall 9 being provided with air inlets 13 which communicate with said mixing chamber so that, when the device is in operation, a proper amount of air will be supplied to said chamber for mixing with the fuel fed from the extremity 12. Radially projecting from the outer end of the head 8 are branches 14. Threaded in the outmost of said branches are connections 15 into which are threaded the rearward ends of parallelly extending burner limbs 16, the intermediate burner limb being threaded directly into the intermediate branch 14. Said burner limbs are preferably triangular in cross section and closed at their outer ends, the upper sides thereof being provided with spaced perforations 17 from which, when the device is in operation, jets of flame are projected.

In applying the device the same is first lighted at the burner limbs 16 whereupon said burner limbs are arranged beneath the coal or other combustible to be lighted so that the flame emitting from said burners will contact therewith, the device being permitted to remain in this position until a substantial fire has been kindled. Thus it will be seen that a coal or other similar fire may be readily and easily kindled without the use of paper or wood chips such as is at the present time the universal material. The outer ends of the burner limbs 16 are preferably pointed, as shown, so as to facilitate ready insertion thereof into the material which is to be lighted.

The device set forth is durable and economical, the same is of high efficiency in operation, and is not susceptible to readily becoming inoperative.

While I have shown what I deem to be the preferable form of my kindling device

I do not wish to be limited thereto as there might be various changes made in the details of construction and the arrangements of parts described without departing from the spirit of the invention as comprehended within the scope of the appended claims.

Having described my invention what I deem as new and desire to secure by Letters Patent is:

10 1. A kindling device comprising a burner having a plurality of perforated tubular limbs triangular in cross section; means for supplying fuel to said limbs; means governing the supply of fuel to said limbs; and an
15 insulating handle for supporting said burner, substantially as described.

2. A kindling device comprising a pipe coupling; a stop-cock arranged therein, one end of said coupling being formed for con-

nection with a flexible fuel supply hose; an 20
insulating tubular handle surrounding said end of said coupling; a distributing head connecting with the opposite end of said pipe coupling; a mixing chamber in said head, the rearward end of said head being 25
formed with air inlets; and a plurality of slender tubular burner limbs having closed pointed outer ends and open inner ends connected with said head, the said limbs being triangular in cross section, substantially as 30
described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALFRED LEON KEEVIL.

Witnesses:

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