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HANDLE AND ARMREST FOR WEED BURNERS

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Fig. 1.

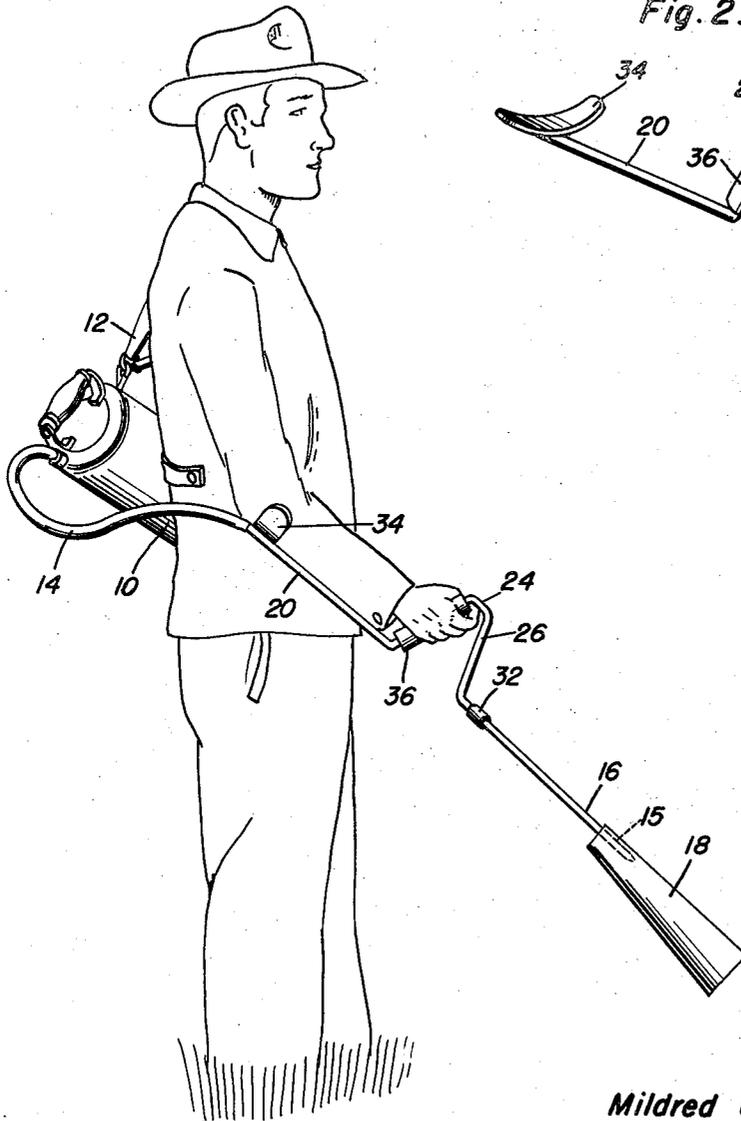
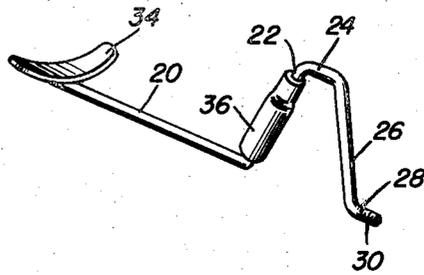


Fig. 2.



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HANDLE AND ARMREST FOR WEED BURNERS

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2 Claims. (Cl. 126—271.2)

1

This invention appertains to novel and useful improvements in weed burning apparatus.

An object is to support a weed burner on the arm of an operator for efficacious burning of weeds.

Another object of the invention is to provide means for carrying out the above mentioned function.

A further object of this invention is to provide an improved weed burning apparatus characterized by improved support means.

A further object of this invention is to provide a conduit connecting the burner proper of a burner and fuel tank, means engageable with the forearm of an operator for the support thereof, and means for gripping the said conduit handily and easily.

Another purpose of this invention is to provide improved handle means grippable by the hand of an operator in such a manner as to utilize the weight of the burner and its baffle for applying a force immediately below the elbow of an operator.

Another purpose of this invention is to provide an extremely simple, smoothly operative device of the character hereindescribed which lends itself well to commercial manufacture.

Referring now in detail to the illustrated preferred embodiment of the present invention, like reference characters are used throughout to indicate similar elements thereof.

With reference to the drawings, Figure 1 illustrates a pictorial view of an individual utilizing the present invention, and

Figure 2 is a perspective view of the improved feature in the weed killer and burner.

Going to Figure 1, it will be noted that an operator or individual is shown utilizing the improved form of weed burner. It is within the purview of the present invention to utilize the weight of a baffle and burner proper normally associated with weed burners for pivotally transmitting force therefrom to a selected portion of the forearm of the operator. In this construction, a portion of the apparatus adjacent the hand of the operator or individual is utilized as the pivot point.

In utility of devices of this nature, the weight of the burner proper with its associated baffle becomes exceedingly difficult to carry in continued use. The reason for this is quite understandable as the baffle has to be of sufficiently heavy construction so as to prevent burning thereof. Further, since the individual utilizing a weed burner usually operates the same by the same arm, this particular arm becomes very tired. In supplying

2

a bearing surface immediately below the elbow of the individual, substantially half of the weight of the apparatus is transferred from a pulling force normal to the axis of his forearm, to a force bearing against the upper portion of his forearm thereby relieving the individual from carrying one-half of the weight of the apparatus (baffle, burner proper, conduit), as direct force along the longitudinal axis of his forearm.

A conventional fuel supply tank 10 along with other associated pertinent apparatus such as the strap 12 is provided with a flexible conduit 14 extending therefrom. There is also provided a conventional burner 15 having a tube 16 extending therefrom with a conventional baffle secured therearound.

Going now to Figure 2, it will be noted that a conduit 20 is disclosed having first an angular bent portion 22 extending therefrom, a second angular portion 24 extending from the first-mentioned angular portion 22 and a third bend 26 associated with the last-mentioned portion 24. An extension 28 is then associated with the bend 26 and screw-threads 30 are preferably formed therearound. The said screw-threaded portion is adapted to receive a collar 32 thereon connecting the extension 28 to the pipe or tube 16.

Rigidly secured to the said conduit 20 by any suitable means such as welding, brazing or the like, is an arcuate plate 34 engageable with the forearm of an individual immediately below his elbow. The free end of the conduit 20 is adapted to receive a flexible tubing 14 thereon. It is quite obvious that by this construction fuel from the said fuel tank 10 may be conducted through the flexible tubing 14, thence through the conduit 20 to the burner 15 positioned beneath the baffle 18. It will be also noted that a handle or hand grip 36 is journaled on the angular portion 22 for the purpose of being received in the hand of the operator.

By utility of the above described embodiment of the invention, weeds and the like may be burned by an individual in the usual manner. However, the labor involved in such operation is materially reduced due to the arrangement of applying force below the elbow of an individual as well as a lifting force for supporting the device.

While there has been described and illustrated but a single preferred embodiment of the invention, it is apparent that variations as to size, shape and rearrangement of elements may be made herein without departing from the spirit of the invention. Accordingly, limitation is sought only

3

in accordance with the scope of the following claims.

Having described the invention what is claimed as new is:

1. In a weed burner which includes a burner proper and a fuel tank, means for connecting the burner proper and the fuel tank, said means comprising a conduit having a section therein with its longitudinal axis at an angle with respect to the longitudinal axis of the remainder of the conduit, a handle secured to said section, and a plate secured to said conduit engageable by the forearm of an operator.

2. In a weed burner which includes a burner proper having a baffle disposed therearound, a fuel tank and a flexible tube secured to said fuel tank, the improvement which comprises a conduit secured to said tube and said burner proper for intercommunicating said burner proper and said tube, a plate secured to said conduit for resting against the arm of an operator, said conduit having a bent portion between said plate and said

4

burner proper and defining a section of said conduit which has a longitudinal axis at an angle with the longitudinal axis of the remainder of said conduit, and a handle disposed on said section.

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