

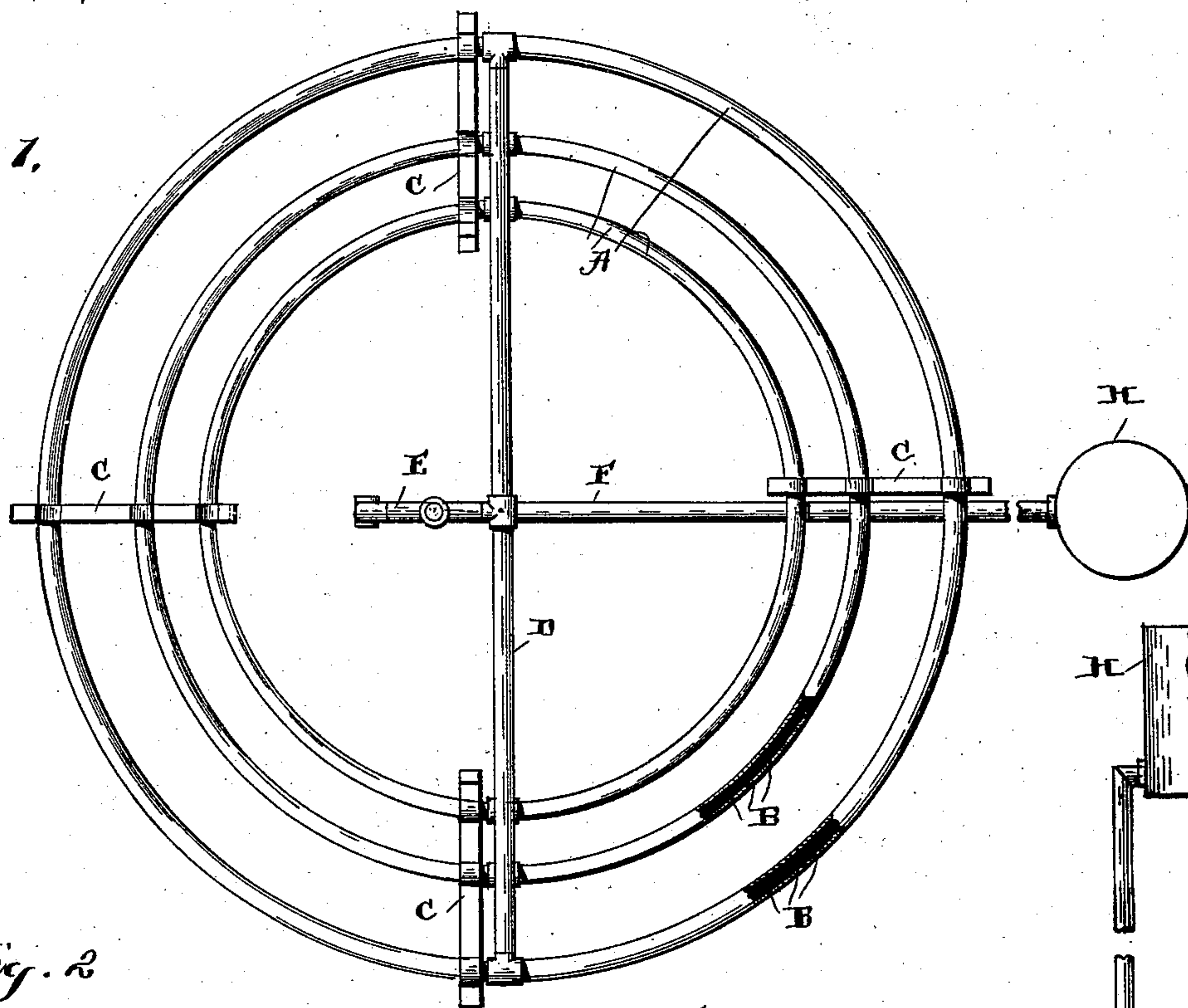
(No Model.)

H. FOUSE.  
TIRE HEATER.

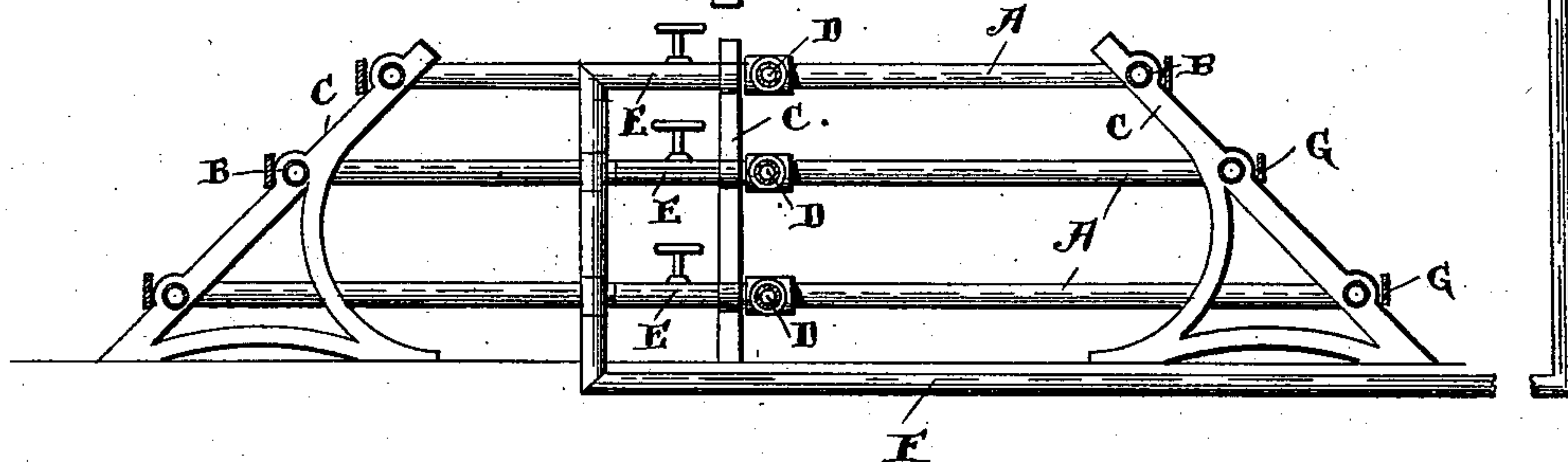
No. 549,775.

Patented Nov. 12, 1895.

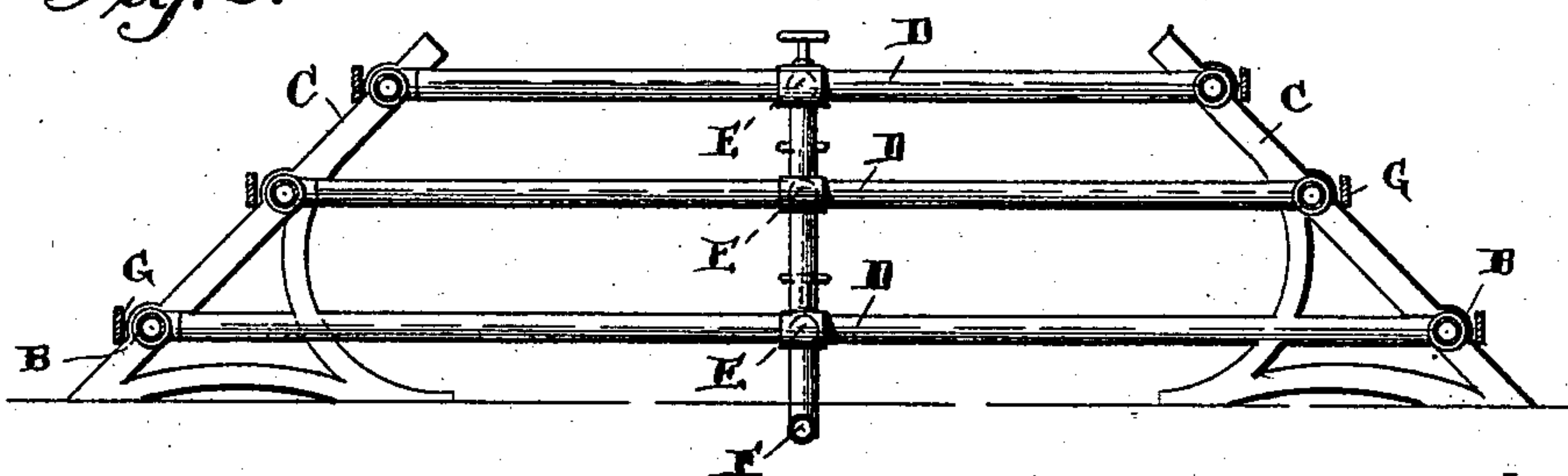
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:

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# UNITED STATES PATENT OFFICE.

HERMAN FOUSE, OF PARKERSBURG, WEST VIRGINIA.

## TIRE-HEATER.

SPECIFICATION forming part of Letters Patent No. 549,775, dated November 12, 1895.

Application filed June 26, 1895. Serial No. 554,132. (No model.)

*To all whom it may concern:*

Be it known that I, HERMAN FOUSE, of Parkersburg, in the county of Wood and State of West Virginia, have invented certain new and useful Improvements in Tire-Heaters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

This invention has reference to tire-heaters, the object being to provide a heating apparatus utilizing gasoline or natural gas for the purpose of heating tires of various sizes.

The invention consists in the features of novel construction hereinafter fully described and claimed, and illustrated by the accompanying drawings, in which—

Figure 1 is a plan view of the heater. Figs. 2 and 3 are vertical cross-sectional views taken at right angles to each other.

The heater here shown consists of three circular pipes A, arranged in vertical succession, with the one of largest diameter at the lower end of the series, the same being provided upon their outer peripheries with the burning jet-holes B. The pipes are supported by the inwardly-inclined bracket C, to which they are firmly secured. Each burner-pipe receives the fluid, whether gasoline or natural gas, from a cross-pipe D, connected by short valved pipe E with the main supply-pipe F. Thus the fluid may be turned into any one of the burning pipes to the exclusion of the rest or all may be burned at the same time, if so desired. The inclined brackets form supports for the tires G of different sizes, the same being held by the brackets directly opposite and entirely encircling the jet-holes of the pipe, thus receiving the full force of the flame.

The heater is here shown as receiving the fluid from an elevated gasoline-tank H, from which the supply-pipe extends; but it is not my desire to limit my invention to this form of fuel, for the main supply-pipe may lead from a source of natural gas and the heater will be quite as effectual. The same may be positioned in any part of the building or shop desired and the supply-pipe extended thereto.

The heater is here illustrated as provided with three separate heaters or burning pipes; but it will be understood that any number may be arranged in series that may be desired.

Heretofore tire heaters or furnaces have been provided in which the burners are arranged in the same horizontal plane, thus supporting the tires in a similar manner; but the essential difference between my form of heater and those mentioned is that in my heater the burners are arranged within each other in step fashion with the inclined brackets for the burners forming the supports for the tires.

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

1. The combination of the circular burners of varied diameters arranged in vertical series, the radially arranged inwardly inclined brackets through which the burners extend and thereby held in step fashion, the tires being supported while being heated by the inclined portions of the brackets, immediately beneath the respective burners, substantially as shown and described.

2. An improved tire heater comprising a series of circular burners of different diameters arranged in vertical succession with the largest of the burners at the bottom of the series, inwardly inclined brackets for sustaining the burners in vertical succession, the said brackets forming supports for the tires, and a fuel supply, substantially as shown and described.

3. In a tire heater, the combination of the radially arranged upwardly inclined brackets C, the circular burners arranged in step fashion on the brackets, and of decreasing diameter toward the top of the series, the inclined brackets forming supports for the tires adjacent the outer peripheries of the burners, and a fuel supply for the burners, substantially as shown and described.

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

HERMAN FOUSE.

Witnesses:

J. S. LEECH,  
L. N. BUTCHER.