

Kreider et al.

[45]

Jul. 25, 1978

CLASSIFICATION

References Cited

FURNACES

U.S. PATENT DOCUMENTS

[75] Inventors: Benjamin A. Kreider, Richboro;  
William J. Metalsky, Warminster,  
both of Pa.

3,307,619	3/1967	Kim .....	165/80
3,463,470	8/1969	Green et al. ....	432/241
3,792,318	2/1974	Fries et al. ....	165/80
3,940,245	2/1976	Smith, Jr. et al. ....	432/249
3,951,875	7/1976	Parollette .....	437/141

FIG. 1

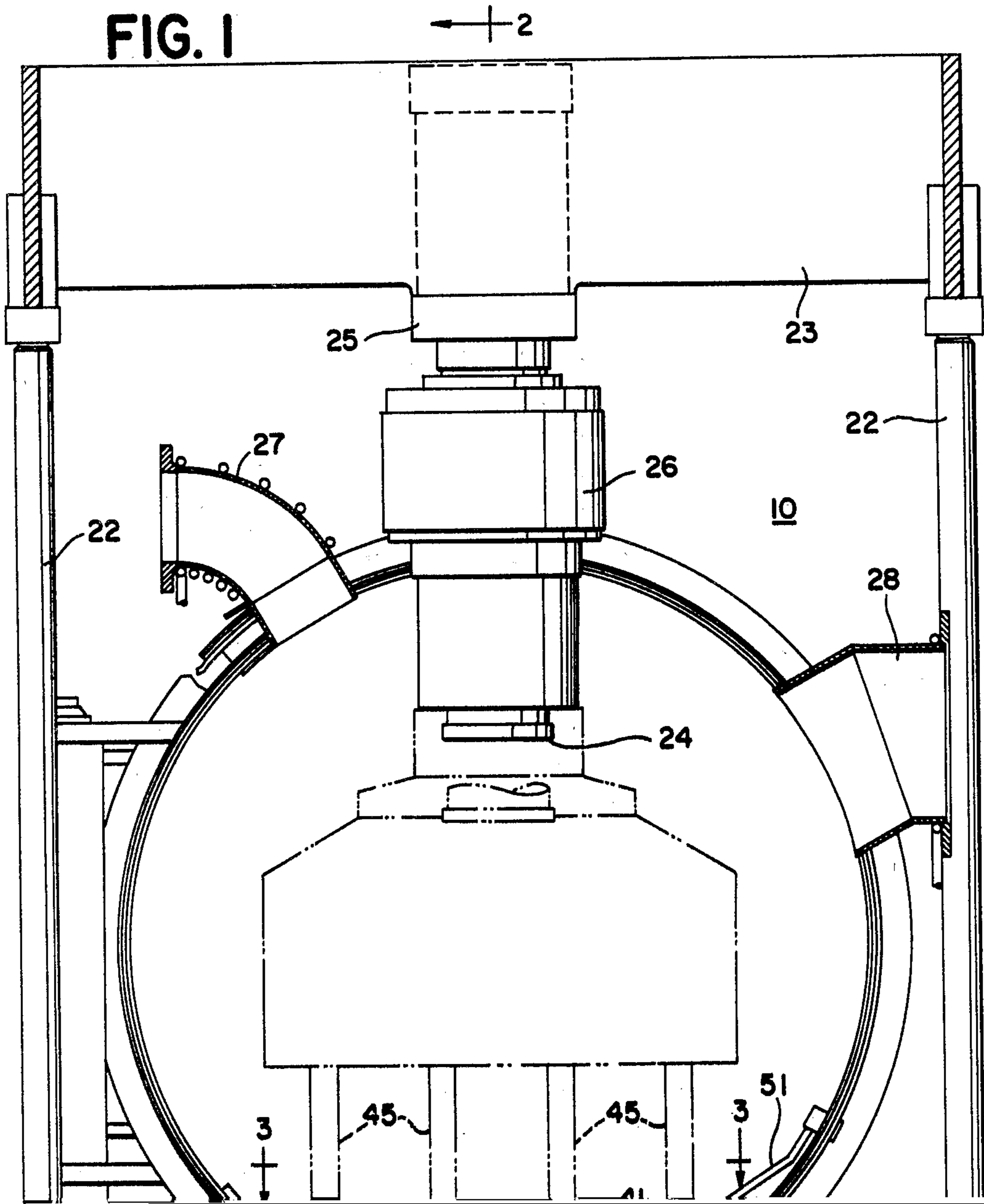
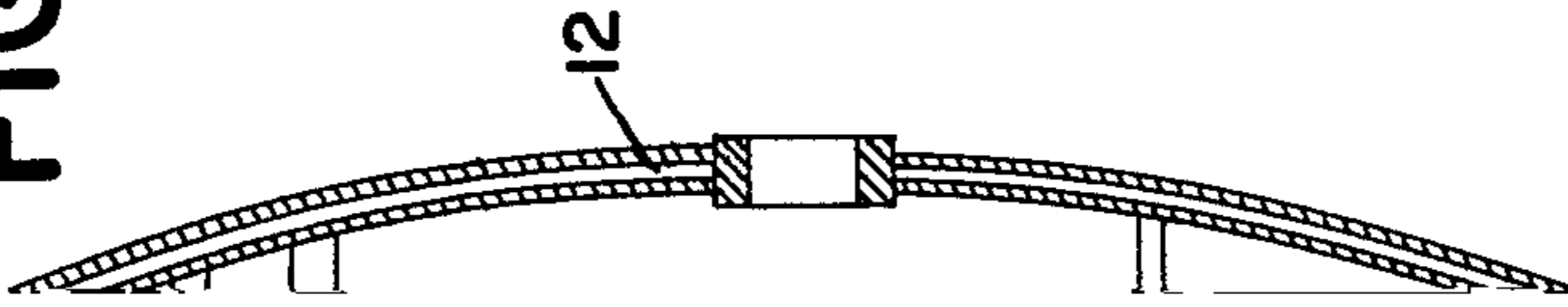


FIG. 2



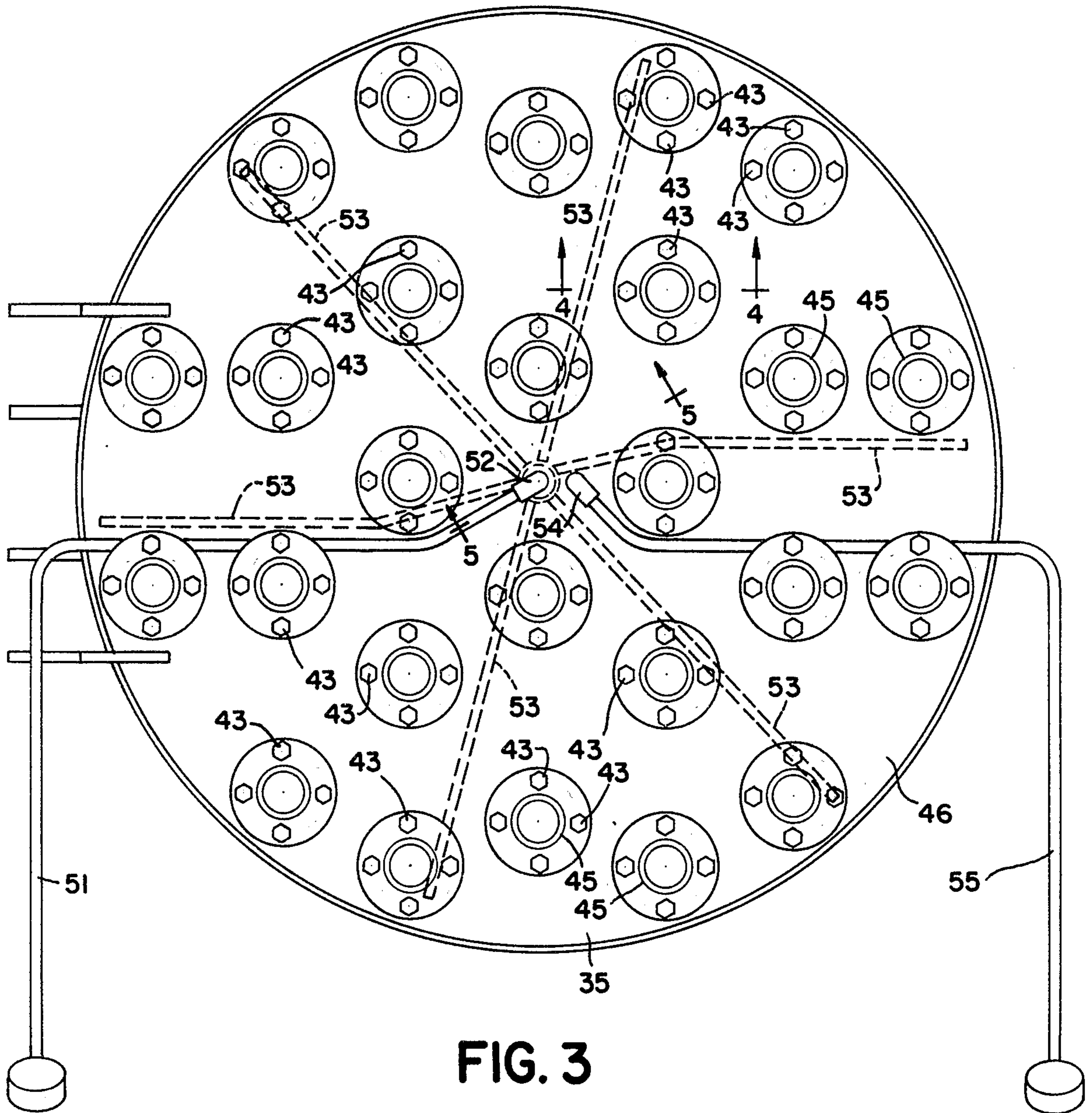
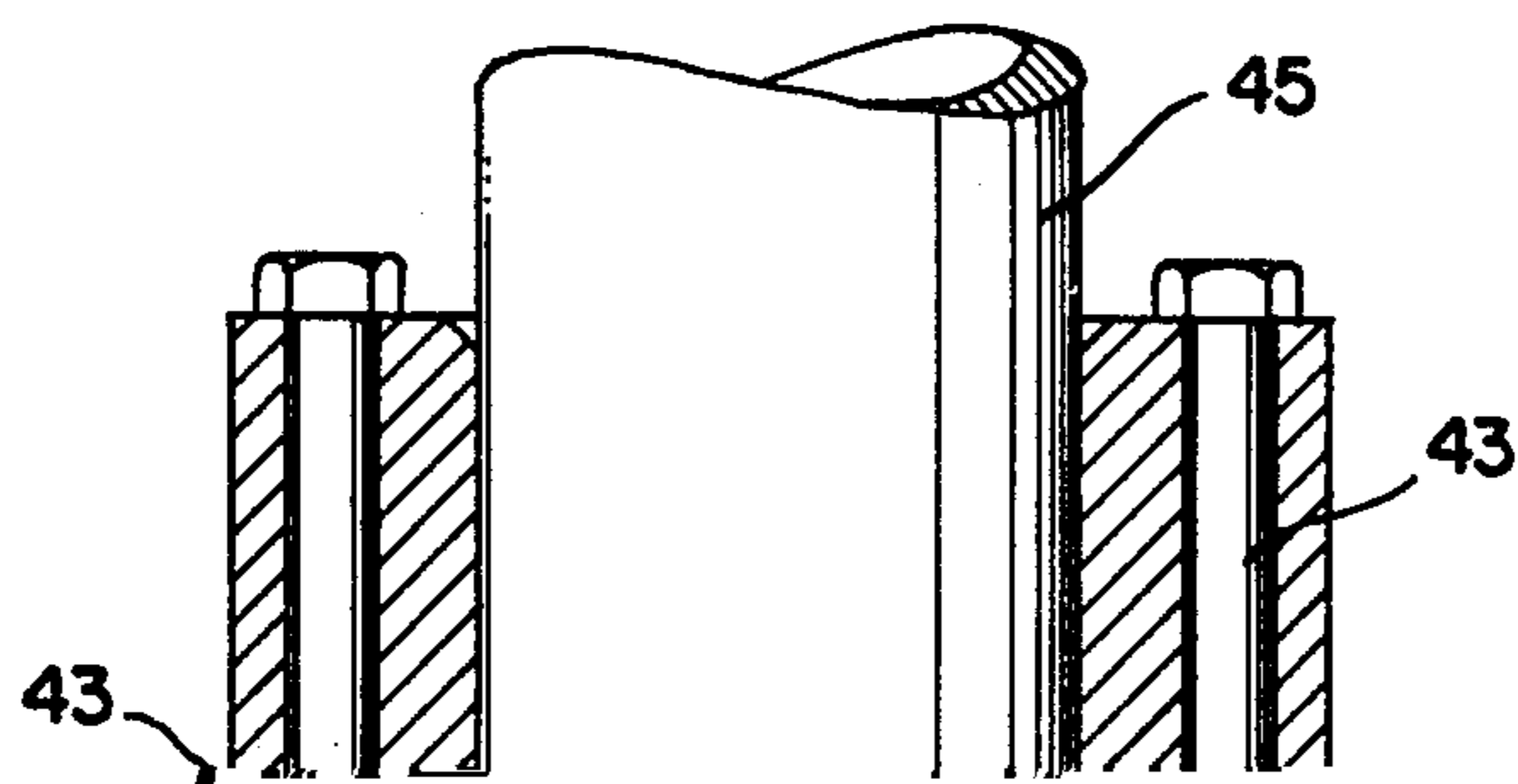


FIG. 3



structure disclosed without departing from the spirit of

**FURNACES**

**BACKGROUND OF THE INVENTION**

Like numerals refer to like parts throughout the several views.

**1. Field of the Invention**

This invention relates to work supports for vacuum electric furnaces, including hot press furnaces.

**2. Description of the Prior Art**

Various work supports have heretofore been proposed for work pieces which are exposed to high temperatures of the order of 800° F and higher in a vacuum

**DESCRIPTION OF A PREFERRED EMBODIMENT**

Referring now more particularly to the drawings a vacuum electric furnace **10** is shown for purposes of illustration. The furnace **10** includes a metal tank **11** shown as of cylindrical shape with its cylindrical axis horizontal. The walls of the tank **11** are of sufficient

assembly has the same exposure to the heat so that the a plurality of pin members of the same length for load

growth of the pin assemblies under heating is the same.

The lower tubular ring 40 on the upper sections

support by their upper end faces secured to and extending vertically upwardly from said plate