

[54] INDICATING DEVICE FOR USE IN A
DEVICE FOR MEASURING AND
INDICATING CHANGES IN RESISTANCE
OF A LIVING BODY

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[56] References Cited

U.S. PATENT DOCUMENTS

2,827,041 3/1958 Pierson 128/734
2,949,591 8/1960 Craige 336/208 X
3,290,589 12/1966 Hubbard 324/62 R

3,452,743 7/1969 Rieke 128/734
3,468,302 9/1969 Cowell 128/734
3,772,593 11/1973 Sidhu 128/734 X
3,841,316 10/1974 Meyer 128/734
4,016,870 4/1977 Lock 128/735
4,024,472 5/1977 Nador et al. 324/154 R X

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[57] ABSTRACT

In accordance with the invention there is provided an electrical resistance measuring indicating device including a bridge network having on one side thereof a first resistance arm connected to a second resistance arm and on the other side thereof, first voltage arm connected to a second voltage arm, there being between the junction of the first and second resistance arms and the junction of the first and second arms are transistorized amplifier circuit and an undamped indicating means responsive to changes in the balance of the bridge networks so as to indicate or measure the resistance or variation in resistance of a subject such as a body are part connected to the network across one of the resistance arms. The indicating means includes a moving coil meter which includes a metal frame of zero conductivity having a meter coil wound thereon and an indicating needle coupled to the frame.

6 Claims, 4 Drawing Figures

