

UNITED STATES PATENT OFFICE.

PERRY O. MELTON, OF ABERDEEN, SOUTH DAKOTA.

METALLIC ALLOY FOR REPAIR PURPOSES.

No Drawing.

Application filed September 6, 1921. Serial No. 498,600.

To all whom it may concern:

Be it known that I, PERRY O. MELTON, a citizen of the United States, residing at Aberdeen, in the county of Brown and State of South Dakota, have invented certain new and useful Improvements in Metallic Alloys for Repair Purposes, of which the following is a specification.

My invention relates to a metallic alloy and it has for its object to provide an improved metal particularly adapted for use as a repair metal. The metal constituting the subject matter of the present invention is particularly useful for repairing cracked cylinder heads, cylinder blocks and the scored cylinders of internal combustion engines, though it is to be understood that its use is not limited to these purposes, but that it is valuable in any relation where a heat resistant metal adapted to form a complete and permanent union with the part to which it is applied, is desired.

The alloy forming the subject matter of the present invention consists of the follow-

ing ingredients combined in substantially the proportions stated:

Zinc-----	11	oz.	
Lead-----	1½	lbs.	
Tin-----	1½	lbs.	
Copper-----	1	oz.	30

It is to be understood that I do not limit myself to the precise proportions stated, since some variation in the proportions may be made without impairing the value of the product.

I have found that a metal consisting of the combination above recited is highly efficient and practical for the purposes set forth.

Having described my invention, what I claim is:

A repair metal consisting of the following ingredients combined in substantially the proportions stated, viz, zinc 11 ounces, lead 1½ pounds, tin 1½ pounds, copper 1 ounce.

In testimony whereof I hereunto affix my signature.

PERRY O. MELTON.