

UNITED STATES PATENT OFFICE.

GEORGE F. ALLEN, OF GRANITE CITY, ILLINOIS, ASSIGNOR TO EDWARD R. HOYT, OF NEW YORK, N. Y.

ALLOY.

No. 834,099.

Specification of Letters Patent.

Patented Oct. 23, 1906.

Application filed September 19, 1906. Serial No. 335,190.

To all whom it may concern:

Be it known that I, GEORGE F. ALLEN, a citizen of the United States, residing in Granite City, in the county of Madison and State of Illinois, have invented certain new and useful Improvements in Alloys, of which the following is a full, clear, and exact description.

My invention relates to an alloy of metals; and it has for its object to produce an alloy of such nature that it will resist greater tensile strain than other soft-metal alloys, also an alloy that will be much less subject to corrosion than those heretofore made, so far as I am aware.

My alloy consists of the two metals, lead and nickel, combined in such proportions as

will cause the nickel to increase the tensile strength of the alloy to the desired degree and will afford the desired property of lessening the corrodibility of the alloy. The proportions in which the metals are used vary according to the nature of the lead used and are from one-twentieth of one per cent. to three and one-half per cent. nickel and the balance lead and preferably soft lead.

I claim—

An alloy consisting of from one-twentieth of one per cent. to three and one-half per cent. nickel and the balance lead:

GEORGE F. ALLEN.

In presence of—

GEO. H. KNIGHT,

NELLIE V. ALEXANDER.