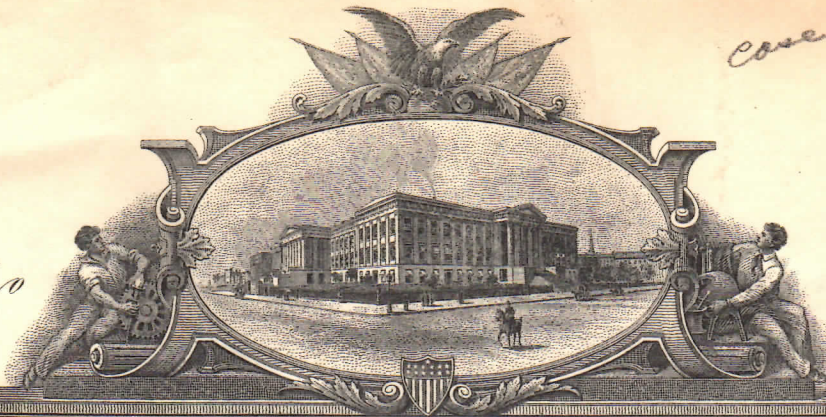


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Case #44 645-

No.

1387645



# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Whereas JAMES H. GRAVELL,  
of  
Elkins Park, Pennsylvania,

has presented to the Commissioner of Patents a petition praying for the grant of letters patent for an alleged new and useful improvement in

METHODS OF AND COMPOSITION FOR CLEANING METALS,

a description of which invention is contained in the specification of which a copy is hereunto annexed and made a part hereof, and has complied with the various requirements of law in such cases made and provided, and

Whereas upon due examination made the said claimant is adjudged to be justly entitled to a patent under the law.

Now therefore these Letters Patent are to grant unto the said

James H. Gravel, his heirs or assigns  
for the term of SEVENTEEN years from the sixteenth day of  
August, ONE THOUSAND NINE HUNDRED AND twenty-one,

the exclusive right to make, use and vend the said invention throughout the United States and the Territories thereof.

In testimony whereof I have hereunto set my hand and caused the seal of the Patent Office to be affixed in the District of Columbia this sixteenth day of August, in the year of our Lord one thousand nine hundred and twenty-one, and of the Independence of the United States of America one hundred and forty-sixth.



W. A. Kinman  
Acting Commissioner of Patents.