

SECRETARY

OF STATE

To all to Whom these Presents shall Come:

I, JAMES C. KIRKPATRICK, Secretary of State of the State of Missouri and Keeper of the Great Seal thereof, do hereby certify that the annexed pages contain a full, true and complete copy of _____

CERTIFICATE OF REDUCTION

OF PREFERRED STOCK

OF

A. P. GREEN RETRACTORIES, CO.

as the same appears on file and of record in this office.

In Testimony Whereof, I hereunto set my hand and affix the Great Seal of the State of Missouri. Done at the City of Jefferson, this

17th day of February
Nineteen Hundred and Sixty-Six.

SECRETARY OF STATE

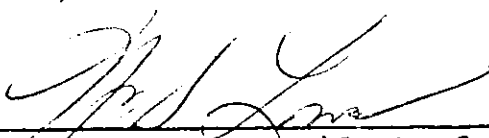
DEPUTY SECRETARY OF STATE

CERTIFICATE OF REDUCTION OF PREFERRED STOCK OF
A. P. GREEN REFRACTORIES CO.
A MISSOURI CORPORATION

WM. S. LOWE, President of A. P. GREEN REFRACTORIES CO., a Missouri corporation, files this certificate pursuant to the provisions of Section 351.200 of The General and Business Corporation Law of Missouri and does certify as follows:

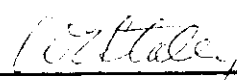
1. That said corporation, being duly authorized by its Articles of Incorporation, heretofore purchased out of surplus 240 shares of its authorized and issued 5% Cumulative Preferred Stock, having a par value of \$100.00 per share; that pursuant to the provisions of the Articles of Incorporation of said corporation and pursuant to resolution of its Board of Directors said shares so purchased were cancelled and retired.

2. The Articles of Incorporation of said corporation prohibit the reissue of the shares so purchased, cancelled and retired; therefore, the authorized 5% Cumulative \$100.00 par value Preferred Stock of said corporation shall, upon the filing of this certificate, be reduced from 46,680 shares to 46,440 shares.



Wm. S. Lowe, President of A. P.
Green Refractories Co.

ATTEST:



W. G. Staley, Secretary of A. P. Green
Refractories Co.

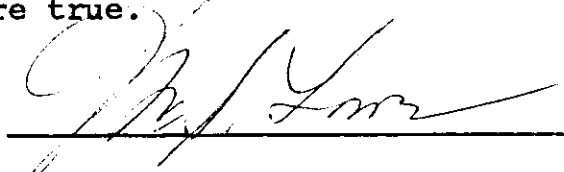
DATE: December 23, 1965

STATE OF MISSOURI:

ss.

COUNTY OF AUDRAIN:

On this 23rd day of December, 1965, before me personally appeared Wm. S. Lowe, to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed as President of said A. P. Green Refractories Co, and being by me duly sworn, he did state that all of the matters and things set forth in said instrument are true.



Subscribed and sworn to before me, a Notary Public within and for the County of Audrain, State of Missouri, the day and year first hereinabove written.

My commission expires

6/27/69



Notary Public

FILED

DEC 30 1965

James C. McInerney

SECRETARY OF STATE