

United States Patent Office.

AMOS H. BOURNE, OF FORT SCOTT, KANSAS.

Letters Patent No. 105,634, dated July 26, 1870; antedated June 9, 1870.

IMPROVED COMPOUND FOR MANUFACTURE OF PAINTS.

The Schedule referred to in these Letters Patent and making part of the same

To all whom it may concern:

Be it known that I, AMOS H. BOURNE, of Fort Scott, in the county of Bourbon and State of Kansas, have invented a new and improved Umber Compound; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same.

This invention relates to a new compound of earths and minerals, to be hereinafter described, for making umber for use in painting.

These substances have never been designated by any particular name, and bear so close resemblance to the common earths as to have escaped notice as being of special value until discovered by me.

For convenience I have, however, designated as No. 2 the inside contents of the hollow bowlders found in the coal banks; as No. 3, a red earth; as No. 4, the yellowish-brown earth found in "pockets" in the coal banks; and as No. 5, the exterior or "shells" of the bowlders above mentioned.

Nos. 2, 4, and 5, are found in southern Kansas and western Missouri, and No. 3 near Fort Scott, Kansas.

To form the compound for umber, I mix and grind together the above-named ingredients, in about the following proportions:

Seventy-five parts No. 3, eight and one-third parts No. 2, eight and one-third parts No. 4, eight and one-third parts No. 5, which produce, when so mixed and compounded, an article of umber serving as an excellent substitute for the umber of commerce now in use, and which may be produced much cheaper.

It may be used in the raw state or burned in the usual way.

To make a lighter or darker shade, I change the proportions of the several parts according to their colors, as required.

The said compound is mixed with oils for painting in the same way that the umber of commerce is mixed.

Having thus described my invention,
I claim as new and desire to secure by Letters Patent—

The improved compound of the earths or minerals herein described, in the proportions and manner substantially as specified.

A. H. BOURNE.

Witnesses:

C. F. DRAKE,
GEO. W. MADISON.