

UNITED STATES PATENT OFFICE.

HENRY W. JOHNS, OF BROOKLYN, NEW YORK.

COMPOUND ASBESTUS SHEET FOR ROOFING, &c.

SPECIFICATION forming part of Letters Patent No. 230,945, dated August 10, 1880.

Application filed April 19, 1880. (No model.)

To all whom it may concern:

Be it known that I, HENRY W. JOHNS, of Brooklyn, in the State of New York, have invented a new and useful Improvement in Compound Asbestos Sheet for Roofing, &c., of which the following is such full, clear, and exact description as will enable others skilled in the art to which my invention appertains to make and use the same.

10 My invention consists of an asbestos sheet or sheathing having a coating on one surface of fibrous asbestos united to the sheathing by silicate of soda.

15 Sheathing has been made of paper-pulp or wool and asbestos, on which a flocking of asbestos has been fastened by glutinous substances; but such combined sheet was not proof against continued fire.

20 An asbestos sheet or sheathing, which is made from pure asbestos by a well-known method, and is sold on the market as pure asbestos sheathing, is coated on one surface with silicate of soda, and on the silicate of soda, while still soft, is deposited fibrous asbestos
25 from which impurities and dust have been re-

moved. This may be pressed onto the sheathing part way into the silicate of soda, or left as it is deposited. The silicate of soda, hardening, unites the two and gives a compound sheet indestructible by fire.

The removal of the impurities and dust from the fibrous asbestos permits the fibrous asbestos becoming more securely fastened to the silicate of soda and sheathing on which it is deposited, and enables the parts to be united
35 in a firm manner, as above described.

What I claim as new, and desire to secure by Letters Patent, is—

1. The compound sheet consisting of asbestos sheathing united with fibrous asbestos by
40 silicate of soda, substantially as specified and set forth.

2. The pure fibrous asbestos combined with a sheet of sheathing by a glutinous substance, substantially as specified.

HENRY W. JOHNS.

Witnesses:

JOHN W. SHUTE,
WM. N. TOSHACHT.