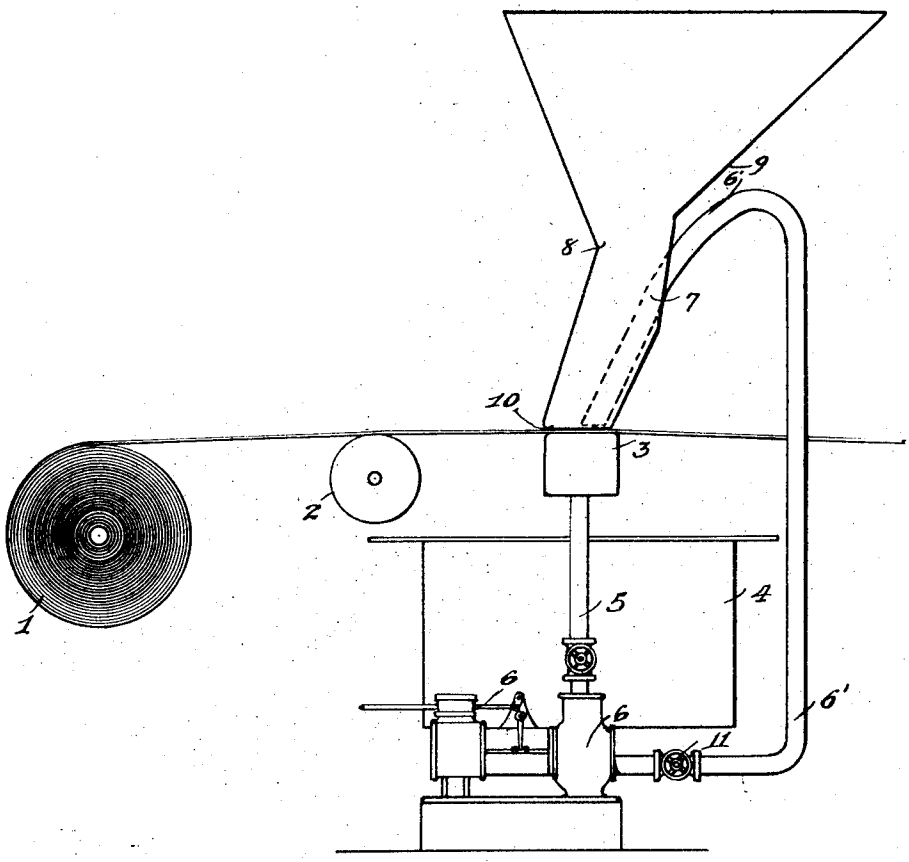
O. A. HEPPES AND C. E. RAHR.

PROCESS OF MAKING PREPARED ROOFING.

APPLICATION FILED DEC. 5, 1918.

1,338,624. Patented Apr. 27, 1920.



Inventors,
Otto A. Heppes and Chester E. Rahr,
By Frank L. Belknap.
Atty.

UNITED STATES PATENT OFFICE.

OTTO A. HEPPES, OF CHICAGO, ILLINOIS, AND CHESTER E. RAHR, OF BROOKLINE, MASSACHUSETTS.

PROCESS OF MAKING PREPARED ROOFING.

1,338,624. Specification of Letters Patent. Patented Apr. 27, 1920.

Application filed December 5, 1918. Serial No. 265,345.

To all whom it may concern:

Be it known that we, OTTO A. HEPPES and CHESTER E. RAHR, both citizens of the United States, residing, respectively, in the city of Chicago, county of Cook, and State of Illinois, and the city of Brookline, county of Suffolk, and State of Massachusetts, have invented certain new and useful Improvements in Processes of Making Prepared Roofing, of which the following is a specification.

This invention relates to a process and apparatus for making prepared roofing and refers more particularly to the saturation of the roofing felt or fabric.

A salient object of the invention is to provide an improved process in which the saturating liquid which may be, as is well known to those skilled in the art, asphaltic materials made from petroleum residuum of relatively low melting point is drawn into the roofing by means of a vacuum pump and the excess returned to be reused again. Another object of the invention is to provide a novel and improved apparatus for carrying out the invention.

The single figure shown in the drawings accompanying the specification herewith, shows a more or less diagrammatic apparatus for carrying out the invention.

In the drawing, 1 designates a reel of roofing which is fed over a bed roll 2 and thence above a suction head 3, mounted in a suitable frame work 4. The suction head 3 is connected by an elongated nozzle 5 to a vacuum pump 6. The excess saturating liquid which is drawn into the nozzle 5 is returned from the discharge side of the pump through pipe 6′ back to the delivery spout 7. This delivery spout 7 is connected at its upper end as shown at 8 to a supply tank 9 and at its lower end, has a wide mouth 10 located just above the suction head 3, and just out of contact with the roofing length. A valve 11 is interposed in the pipe 6′.

Various modifications of the apparatus, as may occur to those skilled in the art are contemplated and are within the scope of the invention.

We claim as our invention:

A process of treating roofing fabric, consisting in causing the roofing fabric to pass over a vacuum head, continuously delivering bituminous saturating liquid to the roofing fabric above the vacuum head and subjecting the vacuum head to suction action to draw the saturating liquid into the roofing fabric.

OTTO A. HEPPES.
CHESTER E. RAHR.