

# UNITED STATES PATENT OFFICE.

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## COMPOSITION.

No. 861,150.

Specification of Letters Patent.

Patented July 23, 1907.

Application filed January 16, 1907. Serial No. 352,558.

*To all whom it may concern:*

Be it known that I, JOHN H. WILSON, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented 5 new and useful Improvements in Composition, of which the following is a specification.

My composition consists of the following ingredients combined in the proportions stated, viz:—

Rye flour.....	325 pounds
10 Sal-soda .....	6 "
Gum arabic .....	3 "
Alum .....	3 "
Starch .....	2 "
Lamp black .....	1 "
15 Salt .....	1 "
Vitriol (sulfuric acid).....	1 "

The above ingredients are to be thoroughly mixed by stirring.

After the mass has been thoroughly stirred and all 20 the ingredients combined properly thereby, the resultant composition is applied to pipes by hand or machinery or in any convenient manner combined with wool felt and asbestos, and the application is continued until a coating or sheathing of any desired thickness is 25 placed around the pipe, making a continuous, jointless covering therefor.

The composition embodying the ingredients enumerated is in the form of and practically constitutes a cement, the parts thereof closely adhering together and 30 to the pipe to which the mass as a whole is applied.

Ordinarily, the ingredients, after being mixed, are thoroughly cooked by steam. The covering is applicable either to pipes used to convey hot water or steam or to cold water pipes, being effective equally in connection with both! 35

The method of covering a pipe consists in first laying out a sheet of asbestos paper or fabric the length of the pipe to be covered between fittings or hangers, then applying a coating of the composition or cement there- 40 to, then wrapping the sheet, so coated, around the pipe, the cement fastening the sheet to the pipe and closing the pores of the asbestos sheet, then coating a sheet of wool felt with the composition or cement, and applying the same around the previously applied covering, this process being continued until a covering of the 45 requisite thickness is obtained.

When applied to a pipe in the manner described, the covering or coating constitutes a non-conductor for heat and cold and prevents, to a great extent, the contents of the pipe from being influenced by outside at- 50 mospheric conditions.

I claim:

The herein described composition of matter formed from flour, soda, gum arabic, alum, starch, lamp black, salt and sulfuric acid, substantially as described and for the pur- 55 pose specified.

In testimony whereof, I affix my signature in presence of two witnesses.

JOHN H. WILSON.

Witnesses:

J. E. FERRIS,  
WM. A. UMPHREY.