

UNITED STATES PATENT OFFICE.

IRA C. BARROWS, OF OAKLAND, CALIFORNIA, ASSIGNOR TO B & H ENGINEERING LABORATORIES, OF OAKLAND, CALIFORNIA, A CORPORATION OF CALIFORNIA.

BRAKE DRESSING.

No Drawing.

Application filed October 31, 1925. Serial No. 66,116.

This invention relates to the manufacture of brake dressing, and has particular reference to a novel composition and to a novel process of producing same.

5 The object of the invention is to produce a brake dressing, the use of which will cut glaze from brake bands, stop squeaks, give better braking efficiency, also serve to waterproof the linings for wet weather and act as a preservative to lengthen the life of the brakes.

10 Further objects are to produce a composition of the above character which will impart the work intended by the use of simple and cheap ingredients, and to afford a novel process by which the ingredients are combined in a manner so as to obtain the most satisfactory results.

15 To these ends, the composition consists of castor oil, water gas tar and rosin with or without a relatively small quantity of cresol and lubricating oil mixed in proportions hereinafter recited. The process consists of heating the mixture to a temperature of approximately 320° F. and maintaining the heating thereof for a period of about 30 minutes. The fluid mass is then allowed to cool after which it is reheated to a temperature of approximately 720° F. for a period of at least twenty minutes during which time it is kept strongly agitated.

30 In effecting the present invention, the following composition is employed, it being understood that the proportions refer to parts by volume:

	Parts.
35 Castor oil.....	85
Water gas tar.....	5
Rosin.....	5
Cresol.....	2
40 Lubricating oil.....	3

Each of the various elements mentioned serves a specific purpose, and when combined and conglomerated in the manner hereinbefore described, provides a brake dressing of superior qualities giving the desired results.

45 The dressing may be used on any class of friction brakes but is more particularly adapted for automobiles. A small quantity is applied to the brake drum and the brakes are then applied for several times thereafter. The nature of the dressing is such, that, with the exception of wet weather, it is only necessary to apply occasionally.

The importance of this invention lies in 55 the combination of the ingredients involved, the proper proportions thereof, and the temperatures of the solution during the process of manufacture.

Having thus described the invention, it 60 is desired to include in this application for Letters Patent all that comes within the range of the invention as set forth in the claims hereinafter mentioned.

What is claimed:

65 1. A composition of matter for making brake dressing comprising substantially 85 parts castor oil, 5 parts water gas tar, and 5 parts rosin.

2. A composition of matter for making 70 brake dressing consisting of substantially 85 parts castor oil, 5 parts water gas tar, 5 parts rosin, 2 parts cresol, and 3 parts lubricating oil.

3. The process of manufacturing brake 75 dressing comprising the heating of a mixture of castor oil, water gas tar and rosin to a temperature of substantially 320° and allowing the mass to cool, and reheating same to a higher temperature than the first, 80 accompanied with stirring until the mass is in the desired density.

4. The process of manufacturing brake dressing consisting of heating a mixture of castor oil, water gas tar, rosin, cresol, and 85 lubricating oil to a temperature of substantially 320° F., for a period of approximately thirty minutes, then allowing the mass to cool, then reheating same to a temperature of substantially 720° F., accompanied with 90 stirring, until the mass is in the desired density.

5. The process of manufacturing brake dressing by heating a mixture consisting substantially in the proportions of 85 parts 95 castor oil, 5 parts water gas tar, 5 parts rosin, 2 parts cresol, and 3 parts lubricating oil to a temperature of approximately 320° F. for a period of about 30 minutes, then allowing the mass to cool, then reheating 100 same to a temperature of substantially 720° F., accompanied with stirring, until the mass is in the desired density.

In testimony whereof, I hereunto affix my signature.

IRA C. BARROWS.