(12) **United States Patent**
Hunt

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(54) **HOSE, INDIA RUBBER**

(76) Inventor: **Samuel Hunt**

(Samuel Hurd of Baltimore Maryland

Letters Patent.

The Schedule referred to in these Letters Patent and making part of the Specification containing a description in the words of the said Samuel Hurd himself of his improvement in the mode of conveying water across rivers, ponds, bogs or else where by means of leather or India Rubber cloth Hose.

To all whom these presents shall come, Be it known that I Samuel Hurd of the City and County of Baltimore and State of Maryland have invented a new and useful improvement in the mode of conveying water across rivers, ponds, bogs or elsewhere, by means of leather or India Rubber cloth Hose, and that the following is a full and exact description thereof that is to say, I form a hose in the usual ways of making hose for fire engines, but with less frequent joints, and of suitable dimensions and strength to answer the purpose desired, and to bind and when more strength is required than the best quality of leather will afford, I wrap the leather hose round with cotton rope, hose, bands of leather, wood, metal, or other substances which are to be wound round it in a spiral or other manner in as many turns or thickness as may be deemed proper to secure sufficient strength for the hose for the purpose desired. The said cotton rope or other materials which so ever I am to be in most cases well saturated or covered with caoutchouc or gum elastic or other suitable substance, and also the leather hose and in some instances for a further security from burning or external injury I enclose the hose in boards formed of plank, say from two to twenty feet in length, more or less clamped together with joints and the joints confined about it with hoops, each of the lengths are to be connected by fastening pieces of plank upon the vertical sides of one end of each of the boards and projecting say eighteen inches beyond the end of the boards,

and then connecting to the end of the metal spindle, or bonnet by means of screws or other pins which shall pass through the outside pieces and into the bonnet but not quite through & which pins are to be placed opposite to each other and to serve as pivots, or points to the bonnets that they may be raised or lowered in the case, and confined to & by the bottoms of the cases pivots &c. in an undulating manner. when the nature of the soil of roads &c. required. and to prevent mud from entering in the bearings from being jammed into the joints, at the bottom I fasten a piece of sheet lead or copper to the plank of one of the bonnets, allowing it to slide freely under or between the bonnet and the plank and so on upon the other or adjoining bonnets which pieces which have muddy or soft bottoms are to be cropped I will drag a channel or furrow in the bottom of the mire and then sink the bonnets in the mire so that the current of mire shall have no power of action upon it.

What I claim as my invention or improvement in the application of those wheels constructed in the manner set forth as aforesaid not intending to confine myself to any particular dimensions or materials in said construction for the purpose of conveying good and wholesome water for the use of cities towns and villages &c across rivers ponds bays creeks or elsewhere.

Witnesses
James Stimpson
Samuel F Cooke

(Signed) Samuel Wentz

No drawing necessary (Signed) Saml Wentz