

J. B. D'HOMERGUE.

PIPE COVERING.

APPLICATION FILED OCT. 30, 1909.

952,117.

Patented Mar. 15, 1910.

Fig. 1.

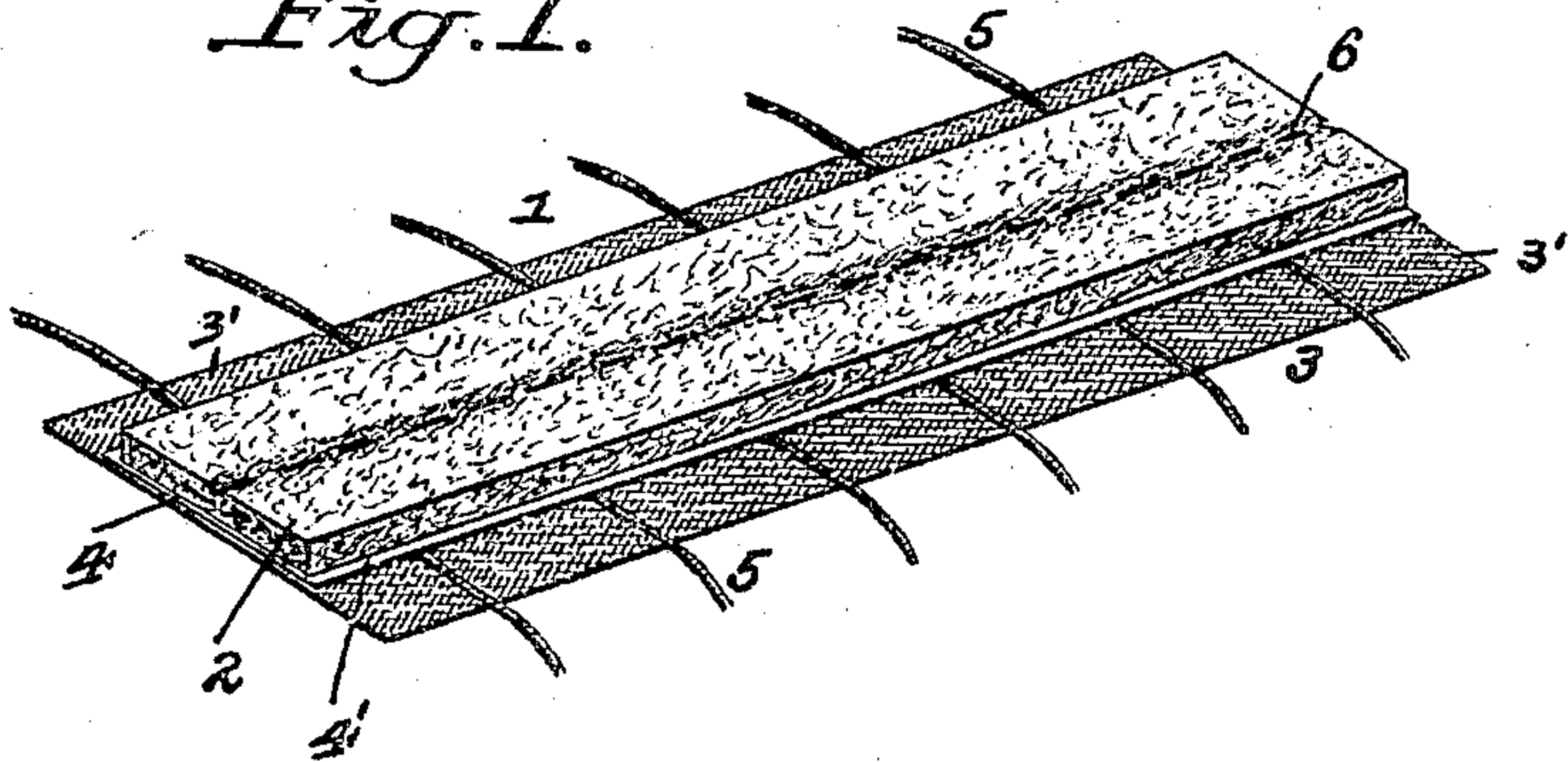


Fig. 2.

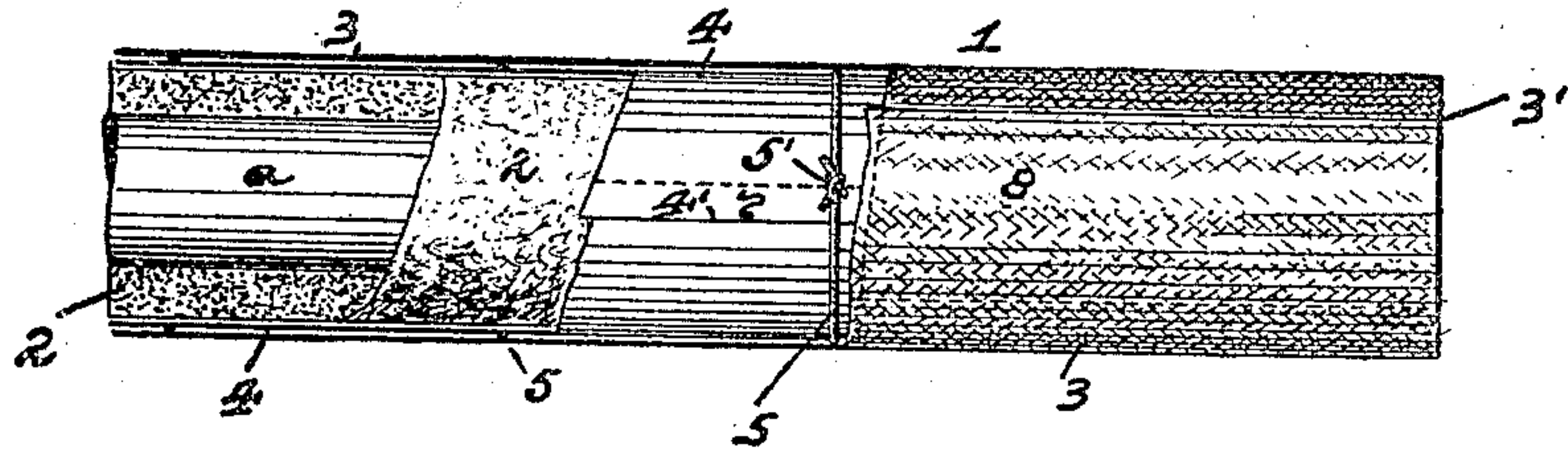
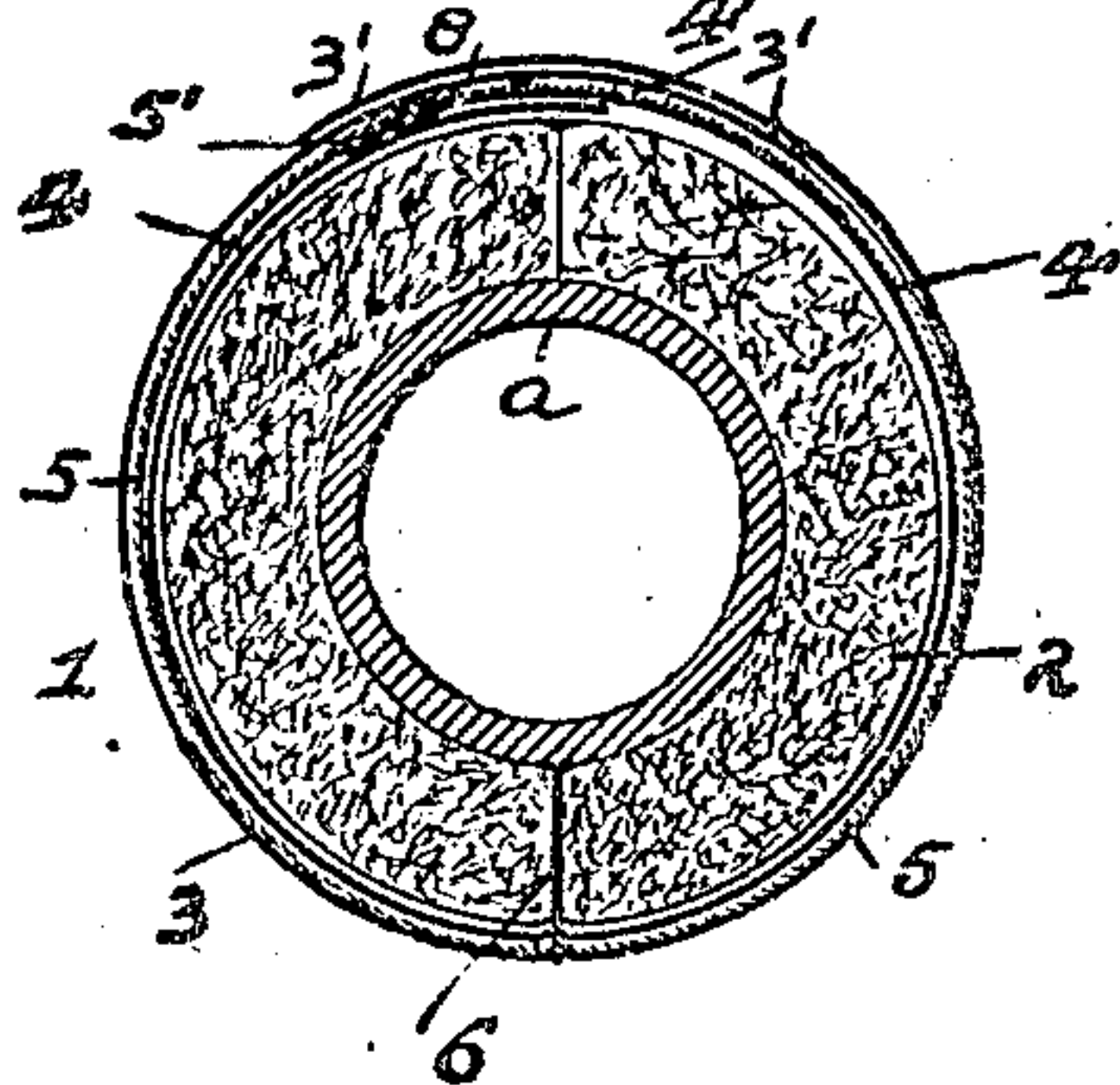


Fig. 3.



WITNESSES

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PIPE-COVERING.

952,117.

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To all whom it may concern:

Be it known that I, JOHN B. D'HOMERGUE, a resident of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Pipe-Coverings; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to pipe coverings and has special reference to such coverings which are formed from what is generally known as "cattle hair felt."

Heretofore, in the use of hair felt for pipe coverings it has been commonly purchased for this purpose in full rolls or bales and then cut in strips or lengths of the proper width to extend around the pipe to be covered. These strips being cut to the desired length were then placed on the pipe and secured in place by twine, after which the other materials, such as paper and canvas were each applied in turn around the felt, and thereby making several operations.

Hair felt is a very difficult material to cut, especially at the point or place where it is to be used, owing to the lack of facilities and space, and being easily disintegrated. When subjected to considerable handling, it frequently happens that in getting it to the point of use and cutting the same there, serious waste is resulted.

The object of my invention is to overcome these difficulties and objections in the use of hair felt in pipe coverings, and to provide such a form of pipe covering, which will be cheap, simple and efficient for the purpose intended, will do away with the heavy handling of the bales or rolls of hair felt and the cutting of the strips for the covering therefrom, and will enable the covering to be so arranged that it can be easily and quickly applied at a great saving of labor and material.

My invention consists, generally stated, in the novel arrangement, construction and combination of parts, as hereinafter more specifically set forth and described, and particularly pointed out in the claims.

To enable others skilled in the art to which my invention appertains to construct and use my improved pipe covering, I will describe the same more fully, referring to the accompanying drawing, in which—

Figure 1 is a perspective view showing

my improved pipe covering. Fig. 2 is a side view of the covering applied to a pipe and showing the same partly in section and laminated. Fig. 3 is an enlarged cross-section of the pipe, showing one-half of the covering in sections and the other half in end elevation.

Like symbols of reference herein indicate like parts in each of the figures of the drawing.

As illustrated in the drawing, my improved pipe covering 1 is composed of a strip of hair felt, as at 2, a piece of canvas, as at 3, for forming the exterior of said covering, a piece of paper, as at 4, between the said felt and said canvas, and extending across and between said canvas and paper are a number of short lengths of twine, as at 5.

In the manufacture of my improved pipe covering 1, the proper lengths of the twines 5 desired are laid upon the proper width of the canvas 3 desired, the proper width of the paper 4 desired is laid on said canvas and over said twines, and the proper width of the felt 2 is then laid on said paper. The side edges of the paper 4 extend beyond the side edges of the felt 2, as at 4' and the side edges of the canvas 3 extend beyond the side edges 4' of said paper as at 3', while the ends of the short lengths or pieces of twine 5 extend beyond the side edges 3' of said canvas 3, and are of sufficient length for extending around the felt and paper for tying when the covering is applied, as hereinafter described. When the felt 2, canvas 3, paper 4 and twines 5 have been thus placed in position, they are connected together by a central line of stitching, as at 6, which passes through the felt, canvas and paper and around the twines, such sewing being performed in any suitable manner and preferably by machinery. After my improved pipe covering 1 has been thus formed and it is desired to apply the same around a pipe *a*, it is cut to the length desired at either or both of its ends and then the side of the same carrying the layer of hair felt 2 is placed against such pipe. After this is done the side edges of the felt 2 and paper are bent around the pipe *a* and will be held in place by the hand while the twines 5 are tied around the said paper and felt, as shown at 5', and so act to draw the felt edges to-

gether and the edges 4' on said paper to overlap each other, as at 7, and thereby hold said felt and paper around said pipe. When the felt 2 and paper 4 are thus in place around the pipe α , the canvas 3 is then turned over the felt and paper which will allow the side edges 3' on the canvas 3 to overlap each other, as at 8, so that they can be connected together at such edges by pasting or in any other suitable manner, and thereby bind the felt and paper together around the pipe.

It will thus be seen that my improved pipe covering can be easily and cheaply manufactured and can be furnished in the exact amount required for each particular job, while it can be easily and conveniently shipped for use in the flat or in rolls and bales, and can be speedily and readily applied with all its component parts at one operation. It will also be seen that the covering will provide for making up hair felt in a convenient form for ready and instant application and use with the other materials usually associated with the same, and all fastened together in a simple and practical manner. The central fastening of the parts together enables all the materials to be held together, while at the same time they can slip on each other so that they can be bent around the pipe to form the finished piece of work as well as permit the same to be rolled up for shipping, packing or storage. By the use of the layer of paper between the layers of felt and canvas the face of the covering formed by such canvas will form a smooth and finished appearance to the eye and work, and such paper being imperforate and waterproof will assist the covering in retaining and protecting its insulating qualities.

It will be evident that other flexible insulating materials can be substituted for the hair felt, as well as other material for the paper and canvas, and that various other devices or means can be used for attaching the side edges of the felt, paper or canvas together, while it is also evident that the covering can have the paper and inclosing canvas jacket dispensed with, and the felt alone used with the securing twines or other means such as wires stitched thereto, while with the twines held by the central longitudinal seam extending across the same will enable them to be placed within the rolls or bales of the cover for packing or shipping. It will further be evident that the operation of forming the covering can be varied, and that if desired the tying means for the same can be arranged so that each of the materials composing the covering can be furnished with its own twines and stitched by a single seam for securing each part separately around the pipe and all the parts of the same together.

Various other changes in the arrangement and construction of my improved pipe covering may be resorted to, without departing from the spirit of the invention or sacrificing any of its advantages.

What I claim as my invention and desire to secure by Letters Patent is—

1. A pipe covering composed of a layer of flexible insulating material having a single longitudinal seam stitched thereto to hold means for securing the covering to the pipe.

2. A pipe covering composed of a layer of flexible insulating material having a single longitudinal seam stitched centrally along the same to hold means for securing the covering to the pipe.

3. A pipe covering composed of a layer of flexible insulating material having twines stitched thereto by a single longitudinal seam for securing the covering to the pipe.

4. A pipe covering composed of a layer of flexible insulating material having twines stitched centrally along the same by a single longitudinal seam for securing the same to the pipe.

5. A pipe covering composed of a layer of flexible insulating material and a layer of inclosing material connected together by stitching through a longitudinal seam, and means held by said stitching for securing the covering around the pipe.

6. A pipe covering composed of a layer of flexible insulating material and a layer of inclosing material connected together centrally along the same by stitching through a longitudinal seam, and means held by said stitching for securing the covering around the pipe.

7. A pipe covering composed of a layer of flexible insulating material and a layer of inclosing material connected together by stitching through a longitudinal seam, and twines held by said stitching for securing the covering around the pipe.

8. A pipe covering composed of a layer of flexible insulating material and a layer of inclosing material connected together centrally along the same by stitching through a longitudinal seam, and twines held by said stitching for securing the covering around the pipe.

9. A pipe covering composed of a layer of flexible insulating material, a layer of paper and a layer of inclosing material connected together by stitching through a longitudinal seam, and means held by said stitching and between the paper and inclosing material for securing the covering around the pipe.

10. A pipe covering composed of a layer of flexible insulating material, a layer of paper and a layer of inclosing material connected together centrally along the same by stitching through a longitudinal seam,

and means held by said stitching and between the paper and inclosing material for securing the covering around the pipe.

11. A pipe covering composed of a layer
5 of flexible insulating material, a layer of paper and a layer of inclosing material connected together by stitching through a longitudinal seam, and twines held by said stitching and between the paper and inclosing material for securing the covering
10 around the pipe.

12. A pipe covering composed of a layer of flexible insulating material, a layer of paper and a layer of inclosing material connected together centrally along the same by stitching through a longitudinal seam, and twines held by said stitching and between the paper and inclosing material for securing the covering around the pipe.

13. A pipe covering composed of a layer
20 of flexible insulating material, a layer of paper and a layer of canvas connected together by stitching through a longitudinal seam, and means held by said stitching and between the paper and canvas for securing the covering around the pipe.

14. A pipe covering composed of a layer of flexible insulating material, a layer of

paper and a layer of canvas connected together centrally along the same by stitching
30 through a longitudinal seam, and means held by said stitching and between the paper and canvas for securing the covering around the pipe.

15. A pipe covering composed of a layer
35 of flexible insulating material, a layer of paper and a layer of canvas connected together by stitching through a longitudinal seam, and twines held by said stitching and between the paper and canvas for securing
40 the covering around the pipe.

16. A pipe covering composed of a layer of flexible insulating material, a layer of paper and a layer of canvas connected together centrally along the same by stitching
45 through a longitudinal seam, and twines held by said stitching and between the paper and canvas for securing the paper around the pipe.

In testimony whereof, I, the said JOHN
50 B. D'HOMERGUE, have hereunto set my hand.

JOHN B. D'HOMERGUE.

Witnesses:

J. N. COOKE,
JAMES L. WEHN.