

(No Model.)

2 Sheets—Sheet 1.

J. F. PERRY.

MACHINE FOR APPLYING ROOFING COMPOSITION TO FELTING.  
No. 284,891. Patented Sept. 11, 1883.

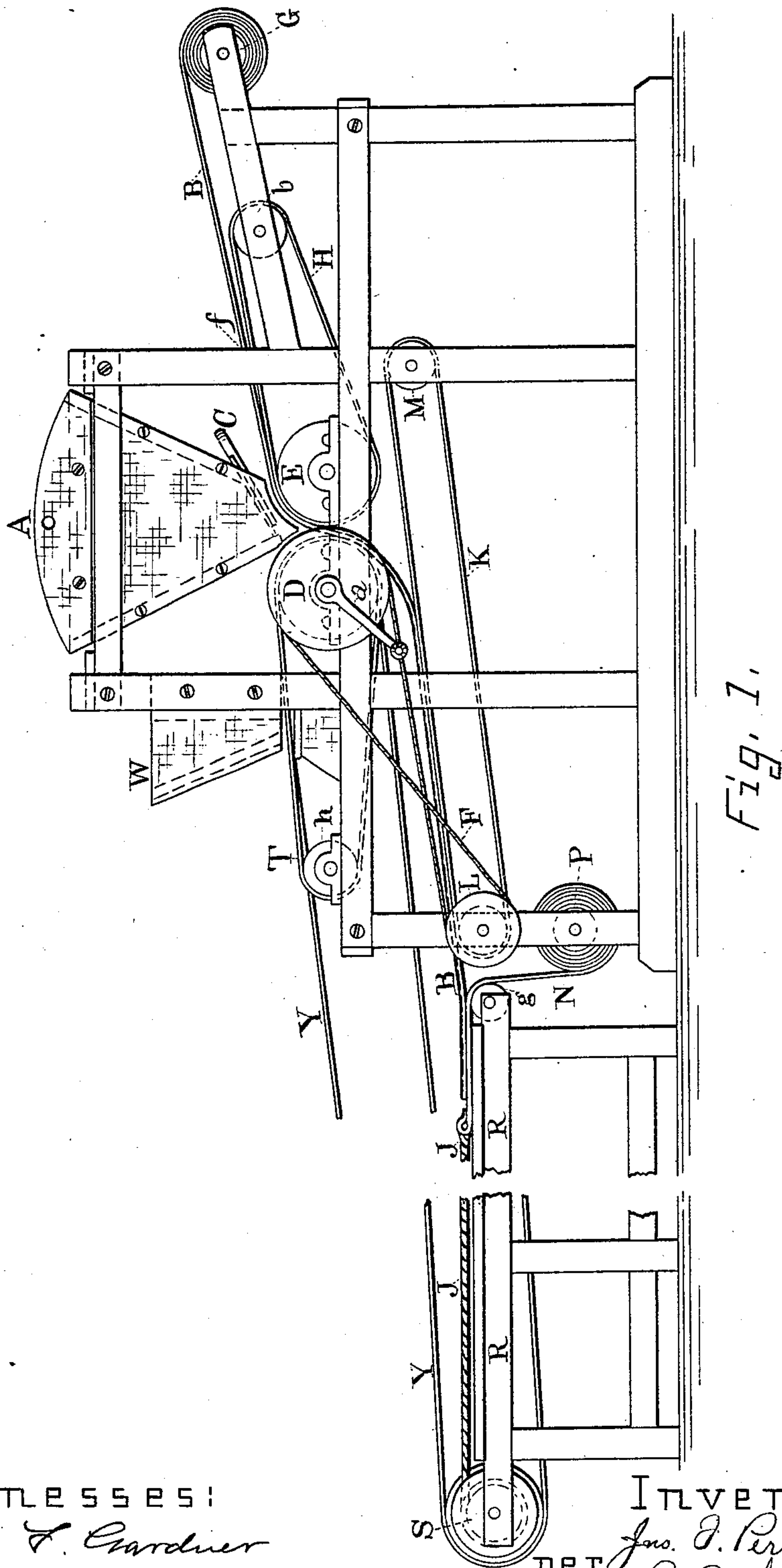


Fig. 1.

Witnesses:

Louis T. Gardner

J. W. Garner

Inventor:

Jos. F. Perry

R. B. Chamberlin

Attorneys.

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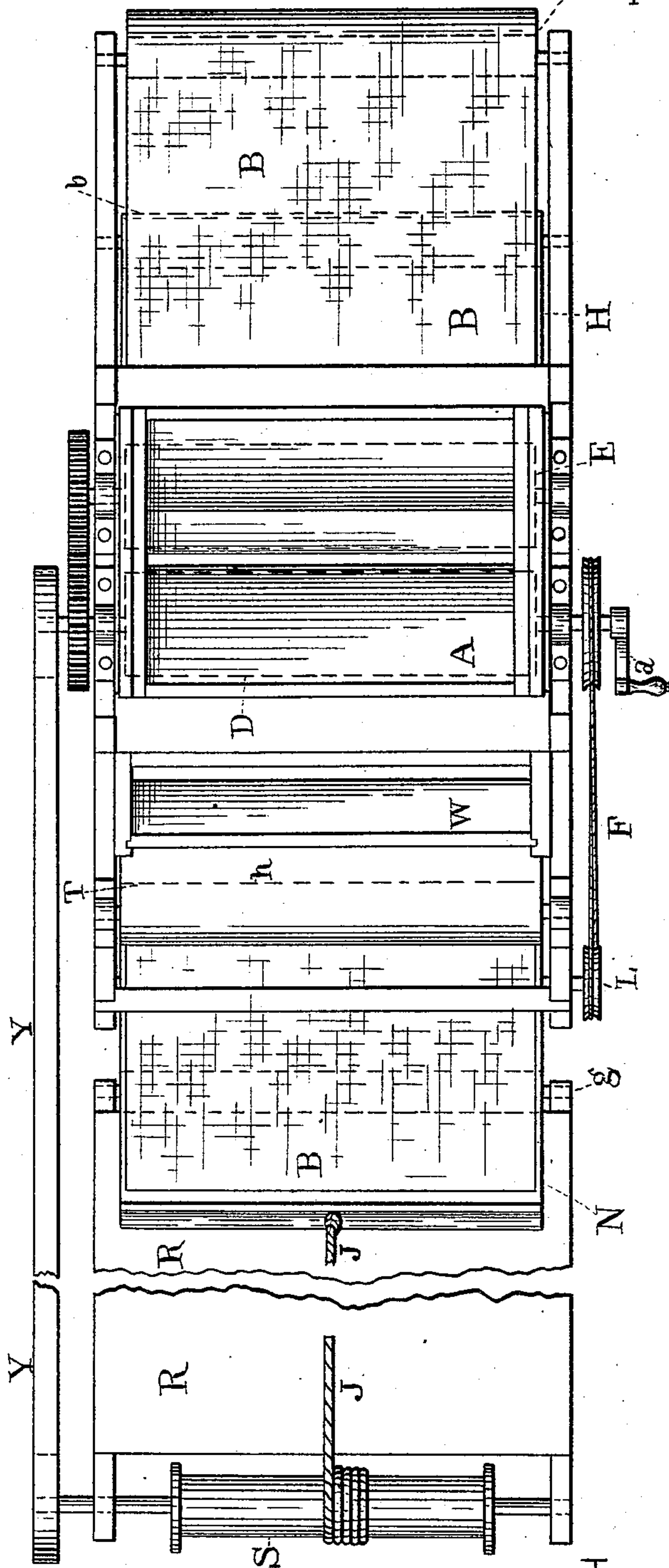


Fig. 2.

Witnesses:

Louis L. Gardner  
J. W. Garner

INVENTOR:

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# UNITED STATES PATENT OFFICE.

JOHN F. PERRY, OF CHICAGO, ILLINOIS.

MACHINE FOR APPLYING ROOFING COMPOSITION TO FELTING.

SPECIFICATION forming part of Letters Patent No. 284,891, dated September 11, 1883.

Application filed April 7, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN F. PERRY, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful  
5 Improvements in Machines for Applying Roofing Composition to Felting; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had  
10 to the accompanying drawings, which form part of this specification.

My invention relates to an improvement in machines for applying roofing compound to  
15 felting; and it consists in the combination of a hopper in which the roofing compound is placed, and a second smaller hopper, in which a suitable substance is placed for preventing the roofing compound from sticking to the  
20 endless apron, and suitable endless aprons and driving bands or belts, by which the felting, after it has had the roofing compound applied to it, is drawn out upon a platform to cool, as will be fully described hereinafter.

25 The object of my invention is to provide a machine for quickly and evenly applying a roofing compound to felting. It requires no further attention than to adjust the parts, fill the hoppers, and set the machine in motion.  
30

Figure 1 is a side elevation of my invention, and Fig. 2 is a plan view of the same.

A represents a hopper, which is supported upon a suitable frame-work, in which the roofing  
35 compound is placed while in a heated condition. In the bottom of this hopper is placed a suitable valve or cut-off, C, which is adjusted to regulate the amount to be applied to the felting. Beneath this hopper are two  
40 large rollers, D and E, which revolve in opposite directions, having endless aprons passing around them, for the purpose of preventing either the roofing compound or the tar in the felting from sticking to said rollers. Upon  
45 the roller or drum D, to which the motive power is applied, is passed an endless apron, T, which passes out around the small roller *h*. To this roller or drum D are also applied the driving cords or bands F and Y. Upon the  
50 roller or drum E is passed the apron H, which

extends out and passes over the roller *b*. Below these two rollers D and E, between which the roofing compound and the felting are made to pass, is placed the endless apron K, which  
55 passes over the two rollers L and M, and which band is kept in motion by the cross band or belt F from the roller D. Upon this apron K the compound and felting, which has now become roofing, drops after passing  
60 between the rollers D and E, and is carried outward toward the platform R, which will be of any desired length. The roofing is drawn out upon this platform R and allowed to cool. When cool, it is cut into any desired  
65 lengths, rolled up, and is then ready for the roof. After placing it upon the roof a coat of fire-proof compound can be applied. In order to draw the roofing out upon the platform R, there is journaled in the frame-work  
70 a roller, P, around which is wrapped a roll of heavy paper or other suitable material, N. This paper passes up over the frictional roller *g*, and has its end fastened to the rope J, which is made to wrap around the drum or  
75 cylinder S. Motion is imparted to this cylinder by means of the driving band or belt Y from the drum or cylinder D. As the rope is made to wind around the drum or cylinder, it draws the paper N from around the roller  
80 P, and thereby carries the roofing along as fast as it is formed. In order to prevent the roofing compound from sticking to the roller D while passing between this roller and the  
85 roller E, a second hopper, W, is provided, in which is placed pulverized slate, soapstone, or Venetian red, which falls upon the apron T as it is moved along, and forms a coating over the apron T, which prevents the roofing compound from adhering to it. The felting B  
90 passes through a small guiding-slot formed upon the side of the frame, and then passes down between the two rollers D and E. The roofing compound, in passing from the bottom of the hopper A, drops upon the felting, to which it firmly adheres, and in passing  
95 between the rollers D and E this compound is evenly distributed over the surface of the felting.

Having thus described my invention, I claim—

The combination of the hopper in which the roofing compound is placed, the two rollers D and E, having endless aprons passing around them, a hopper in which soapstone or other  
5 suitable substance is placed, the endless apron K and platform R, and a mechanism for drawing the roofing out upon the platform, substantially as shown and described.

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

JOHN F. PERRY.

Witnesses:

EZRA L. BRAINERD,  
WILLIAM H. MCGUIRE.