

(No Model.)

W. McNIECE.

ICE CREEPER.

No. 319,291.

Patented June 2, 1885.

Fig. 1.

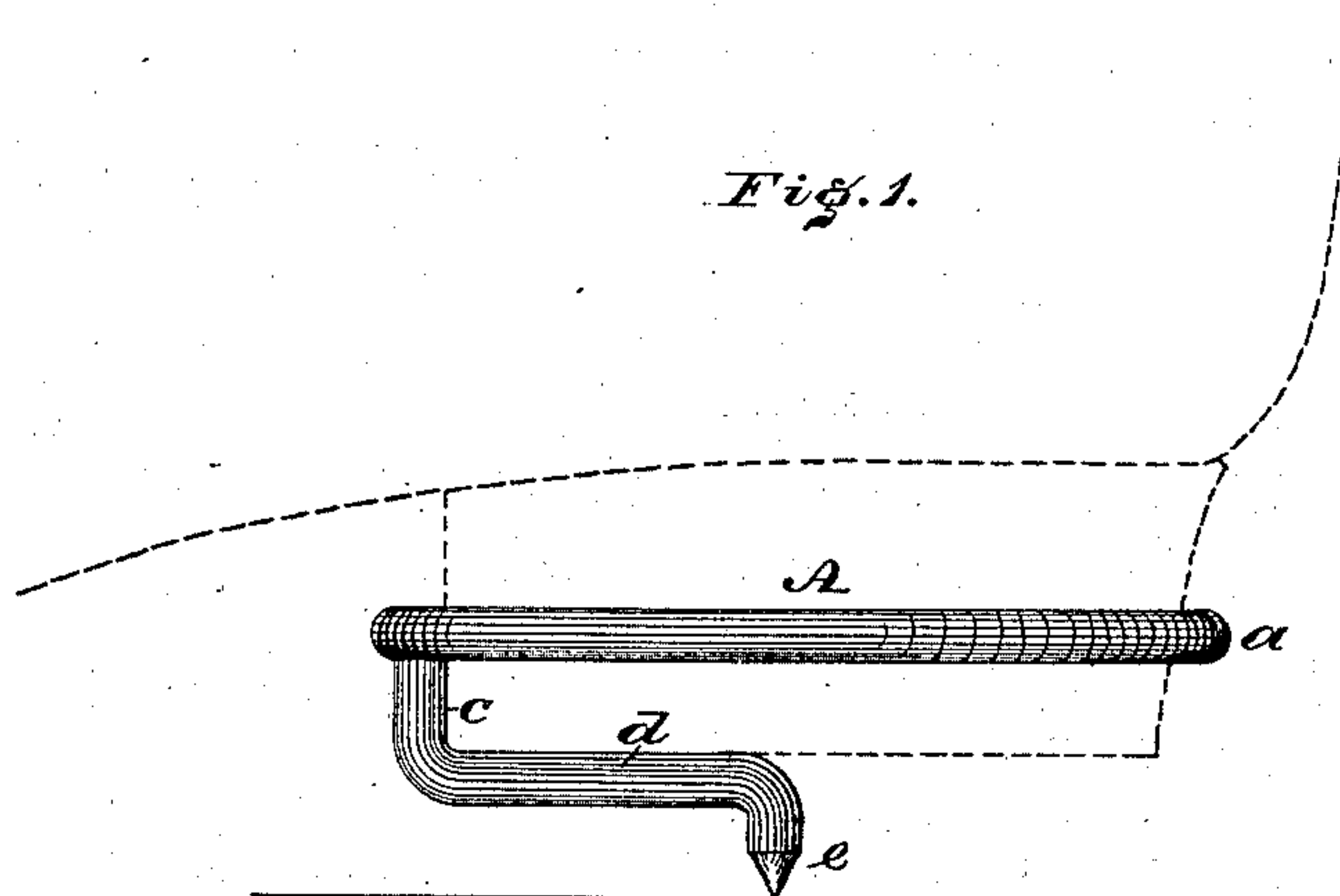


Fig. 2.

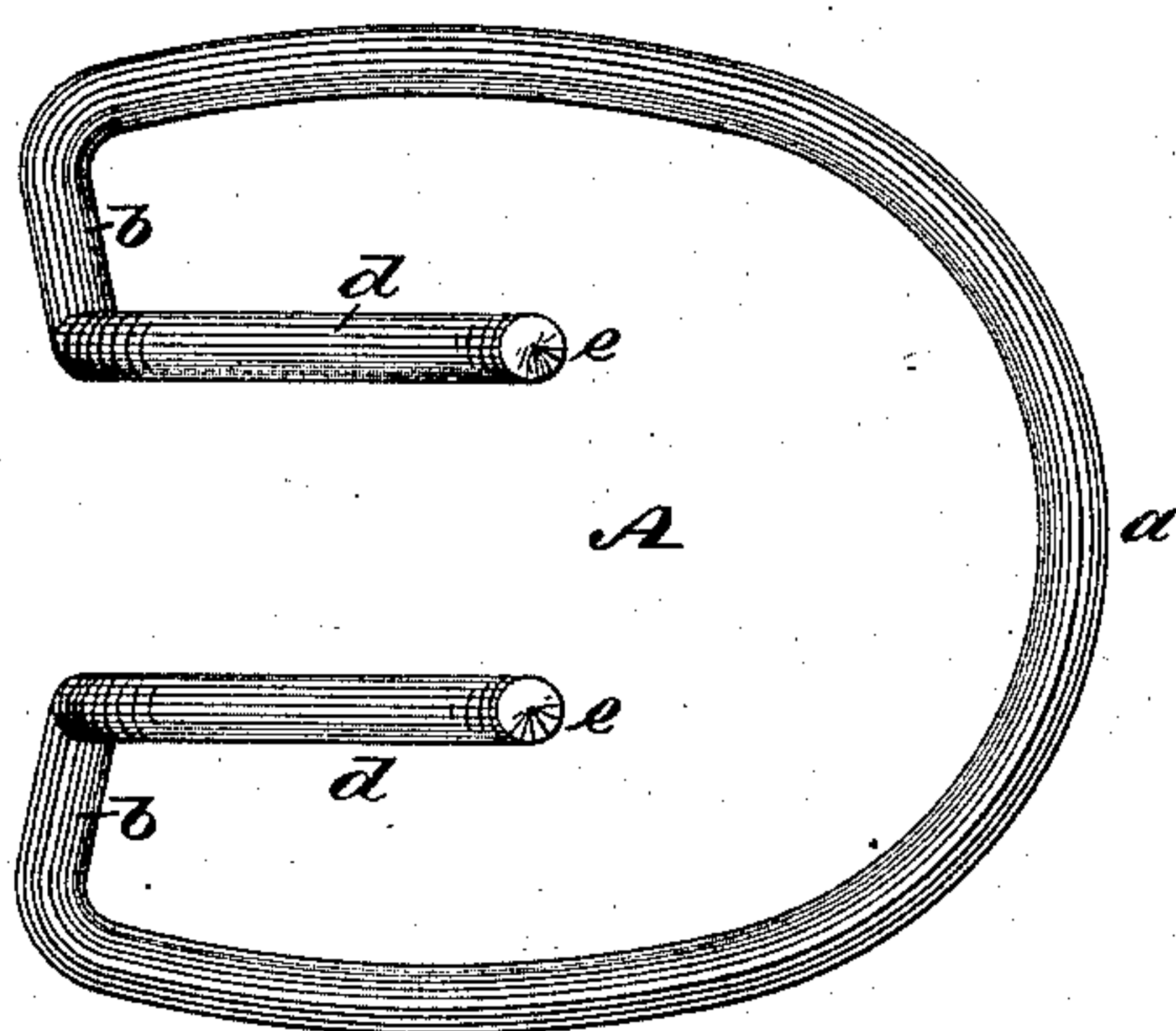
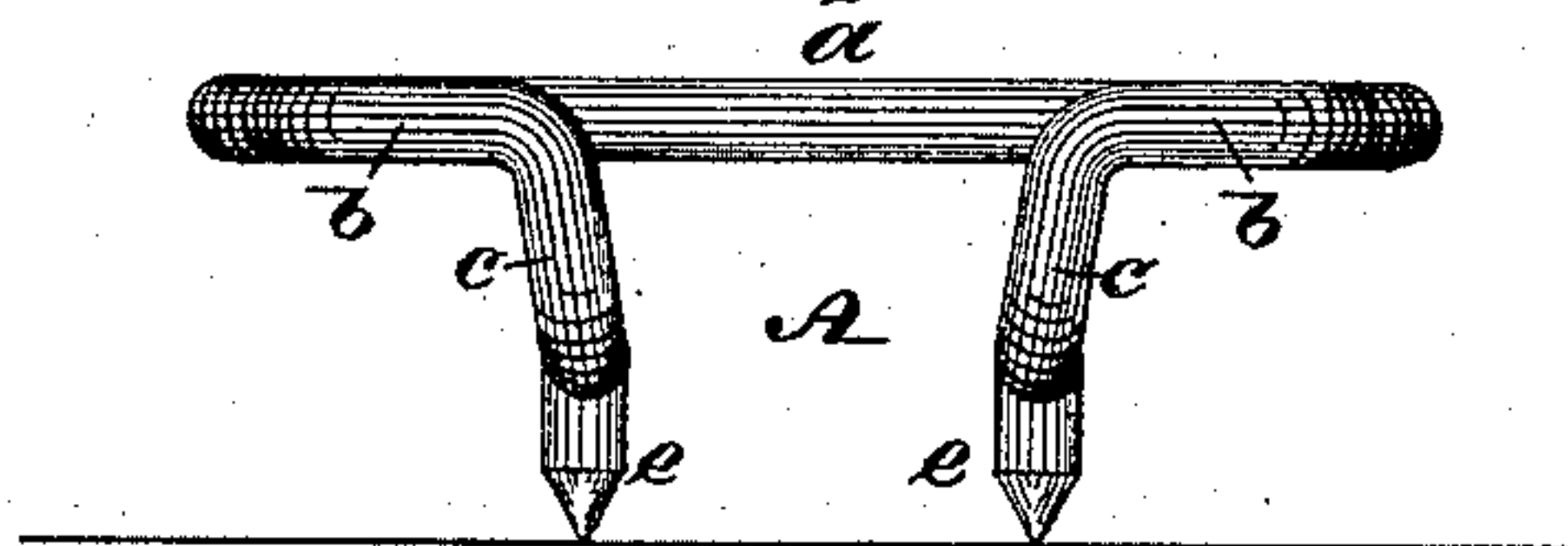


Fig. 3.



WITNESSES:

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ICE-CREEPER.

SPECIFICATION forming part of Letters Patent No. 319,291, dated June 2, 1885.

Application filed March 17, 1885. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM McNIECE, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Ice-Creepers, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 represents a side view of an ice-creeper embodying my invention. Fig. 2 represents a bottom plan view thereof. Fig. 3 represents a front view thereof.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of an ice-creeper constructed of a continuous piece of wire adapted to clamp the heel of a boot or shoe and provide the necessary spurs or calks, as will be hereinafter fully set forth.

Referring to the drawings, A represents an ice-creeper, the same being constructed of the parts *a*, *b*, *c*, *d*, and *e*, formed of a single or continuous piece of wire. The part *a* is U-shaped, so as to conform to the sides and rear of a boot and shoe heel, and the parts *b* are bent horizontally inward from the front of the part *a*, and the parts *c* are bent downwardly so that said parts *b c* embrace the front of said heel. The parts *d* project horizontally rearward from the parts *c*, so as to rest on the tread of the heel, and the parts *e*, which are of the form of spurs or calks, project downwardly so as to enter the ice, snow, or ground.

It will be seen that by spreading the sides of the parts *a* the creeper may be readily fitted to the heel, and when said parts are permitted to contract the creeper is firmly attached to the heel, the part *a* being clamped to the sides and rear of the heel, the parts *b c* to the front

of the same, and the parts *d* rest on the tread of the heel, so that displacement of the creeper is prevented in lateral, forward, or rearward directions, the parts *d* receiving the weight of the person, and as the said parts rest on the tread of the heel they are not liable to be bent or fractured.

It will be noticed that the creeper is attached entirely to the heel, so that the sole is left clear of the same, and that it does not materially affect the appearance of the heel or add greatly to the weight of the same, it being alike light, strong, and durable.

It is evident that by spreading apart the sides of the creeper it is released of its holding power and may then be readily removed from the heel.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An ice-creeper formed of a continuous piece of wire bent so as to surround or embrace the back, sides, and a portion of the front of the heel, then downwardly and laterally so as to come under the heel, and having its ends bent downwardly, forming calks or spurs, substantially as described.

2. An ice-creeper formed of the part *a*, which is adapted to embrace the sides and rear of a heel, the parts *b c*, which are adapted to embrace the front of said heel, the parts *d*, which are adapted to rest on the tread of the heel, and the spurs or calks *e*, substantially as described.

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Witnesses:

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