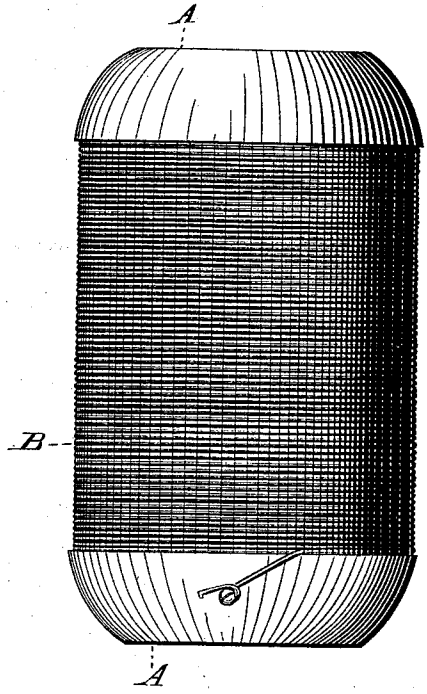
(No Model.)

A. B. MALIN.

SPOOLED MARKET WIRE.

No. 294,740. Patented Mar. 4, 1884.



Arthur B. Malin

WITNESSES

Chas. Engel

Geo. W. King

By Leggett & Leggett INVENTOR

ATTORNEYS

N. PETERS. Photo-Lithographer. Washington. D. C.

UNITED STATES PATENT OFFICE.

ARTHUR B. MALIN, OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO GEORGE W. MALIN, OF SAME PLACE.

SPOOLED MARKET-WIRE.

SPECIFICATION forming part of Letters Patent No. 294,740, dated March 4, 1884.

Application filed June 12, 1883. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR B. MALIN, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Spooled Market-Wire; 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 the same.

My invention relates to improvements in spooled market-wire as an article of manufacture; and it consists in the manner in which it is wound upon the spools and kept from rusting, all of which is hereinafter described, and pointed out in the claim.

Wire made of the ordinary materials for wire making and for general use is known to the trade as "market-wire." Heretofore this wire has been kept for sale only in large coils or bales, that were bulky, easily tangled, and in every way inconvenient for consumers that only wanted a small quanty of assorted wire for immediate use or to keep on hand for general use.

The object of my invention is to furnish the different sizes of this wire wound snugly on spools of convenient size, so that they may be kept on hand like spools of thread for general use. Wire soon oxidizes or rusts by exposure to the atmosphere, and as, after a quantity of goods are made, a considerable time must elapse before the goods are all in the hands of the consumer and used, many of the goods would rust and be spoiled. This would so increase the cost to the consumer that it would be a serious hinderance to the industry of making the goods. To obviate this difficulty I have devised a manner of winding the wire in such close coils on the spool, and with such a strong pressure laterally of the coils the one against the other, that an inner coil is fully protected from the atmosphere by the coil outside of it, and that the outside coil presents an unbroken surface, that may be coated with varnish or other suitable substance and the goods fully protected from rusting. This coating may be applied to each layer or course of wire, so that a remnant of the goods left on the spool will be protected from rusting.

In the drawing, the figure is a perspective of a spool of wire embodying my invention.

A represents a spool, around which is wound the wire B, with the coils pressed firmly together laterally, so as to exclude the passage of air between the coils, while the outside layer, and all of the layers, if so desired, are coated with shellac or other substance to keep the wire from rusting.

Spools of different sizes may be made containing a given number of yards or pounds, as the trade may require, and thus supply a general want.

What I claim is—

A spool of market-wire having the outer layer of wire covered or coated with shellac or other suitable substances to protect the wire of the outer layer and prevent the ingress of air or dampness to the inner layers, substantially as set forth.

In testimony whereof I sign this specification, in the presence of two witnesses, this 4th day of June, 1883.

ARTHUR B. MALIN.

Witnesses:

CHAS. H. DOVER,

ALBERT E. LYNCH.