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M. H. ALEXANIAN

PLATEN ROLLER FOR TYPEWRITERS

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Fig: 1.

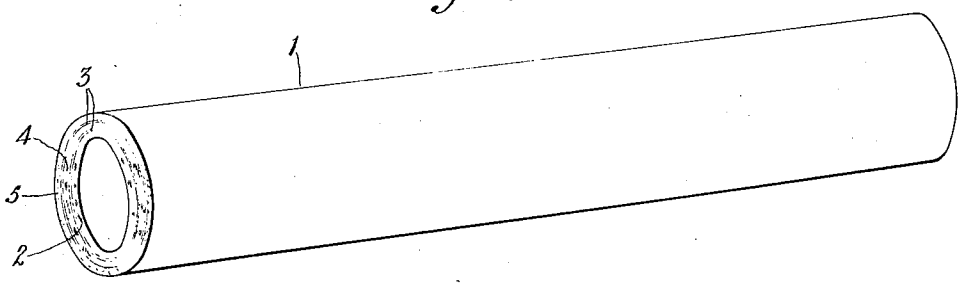
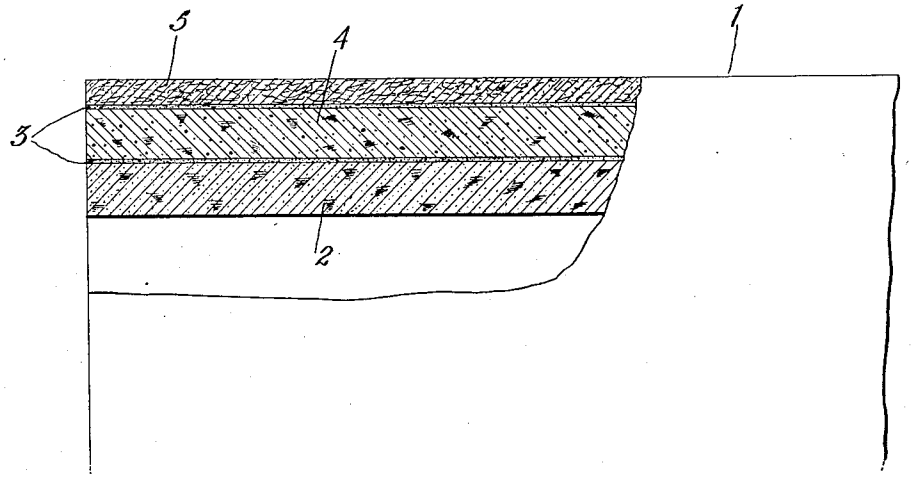


Fig: 2.



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PLATEN ROLLER FOR TYPEWRITERS.

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The invention relates to an improved article of manufacture in platen rollers for typewriters and the method of making the same.

The object of the invention is to provide an article that is superior in quality, elasticity and durability to the so-called rubber-sulphur compound that forms the ingredients of all such platens now in use and on the market for like purposes.

My composition consists of a mixture of paper pulp, cardboard, or other vegetable fibrous material, such as cellulose, cotton fabric, or canvas, as a back ground and an adhesive substance, when moist, readily oxidizable in, and hardening on, exposure to air; and preventing when dry the permeation of moisture, combined with soft, velvety vegetable compounds, such as wood pulp, powdered charcoal, cork and the like pulverized to the required degree of fineness, as the case may be, for forming the bulk or body portion and for the surface or finishing thereof.

Referring to the drawings:

Figure 1 is a perspective view embodying the principles of my invention.

Figure 2 is a broken detailed sectional view.

My invention consists of the formation of a platen 1 made up of concentric layers of cork layers 4 and 5 on a paper pulp cylinder 2, said layers 2, 4 and 5, being cemented together by shellac 3 or other suitable cement or binder. The layer 5 is finely divided or ground cork which may be dyed to give a better appearance. This finely divided cork is smoothed down to furnish a velvet like surface to the touch. The detailed description of the manufacture is as follows:

In the preparation and construction of my article of manufacture I use a hollow metal roller turned down to the desired size and adapted to be heated by steam for drying purposes, about which I plaster in uniform layers a mixture of paper pulp, which has been freed from moisture as much as possible by passing repeatedly between rollers or wringers for that purpose and subsequently mixed with enough fluid shellac, according to bulk, to give it a pasty, sticky adhesiveness, so that it is capable of plastic manipulation to the desired shape, thickness and size on such roller. After I have placed a uniform layer of such mixture on the roller to form a base or back ground of the preferred thickness and dried, another layer or coat of fluid shellac is applied or painted on this mixture of paper pulp, as described, and dried to a semi-solid condition, when coarse ground or pulverized cork is applied evenly thereto and rolled down to a smooth even surface, and thoroughly dried and hardened. After this layer has become hard and resistant, another layer or coat of fluid shellac is applied or painted thereon, and allowed to dry to a semi-solid condition, when finely divided cork, dyed to any desired color, is applied thereon, rolled down evenly all over the surface and thoroughy dried and hardened for use.

While the foregoing description details the most usual method in the preparation and construction of my improved article of manufacture substitutes for the various ingredients may be adopted with equally good substantial results, such as vegetable cotton fibre for the paper pulp, or this substitute may be supplied in the form of cloth, or cotton fabric, or canvas, while as a substitute for shellac, raw linseed oil to which has been added enough turpentine to make a rapidly oxidizable and drying mixture may be applied in the same order in the same manner and with the like effect as heretofore described.

My composition for an article of manufacture herein described is light in weight, durable, elastic, adhesive and permanent, adheres without cracking or checking, when thoroughly dried or hardened, withstands long usage without change or variation in form or contour, permanently retains its smooth, velvety surface and to the very highest degree possesses all the desired properties of a platen roller for the purposes mentioned and can be made of the desired thickness by the addition of additional concentric layers of the coarser ground cork cemented together by shellac.

What I claim is:

1. A platen roller having a velvety surface of finely divided cork, said surface

formed on a more coarsely ground layer of cork, and means for cementing the two layers together.

2. A platen roller having a velvety surface platen for typewriters consisting of paper pulp and cork pulverized to various degrees of fineness the coarser grain cork being applied in the first layers over the paper pulp followed by a like application of the finer powder and means for cementing the pulp and cork into an integral unit.

In witness whereof I have hereunto set my hand in the execution hereof.

MIHRAN H. ALEXANIAN.