

(No Model.)

C. D. FLYNT.
Car-Axle Lubricator.

No. 228,337.

Patented June 1, 1880.

Fig. 1.

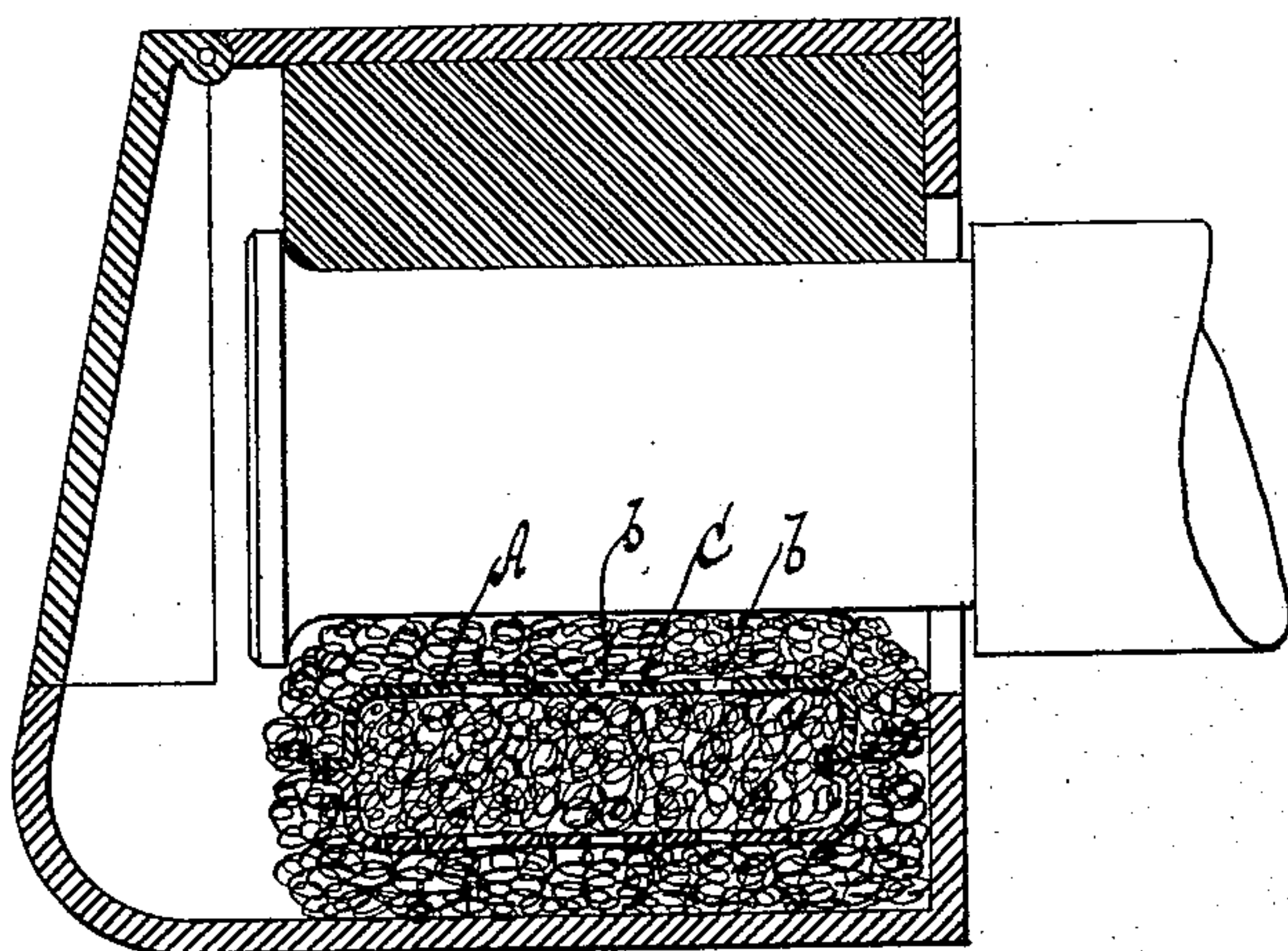
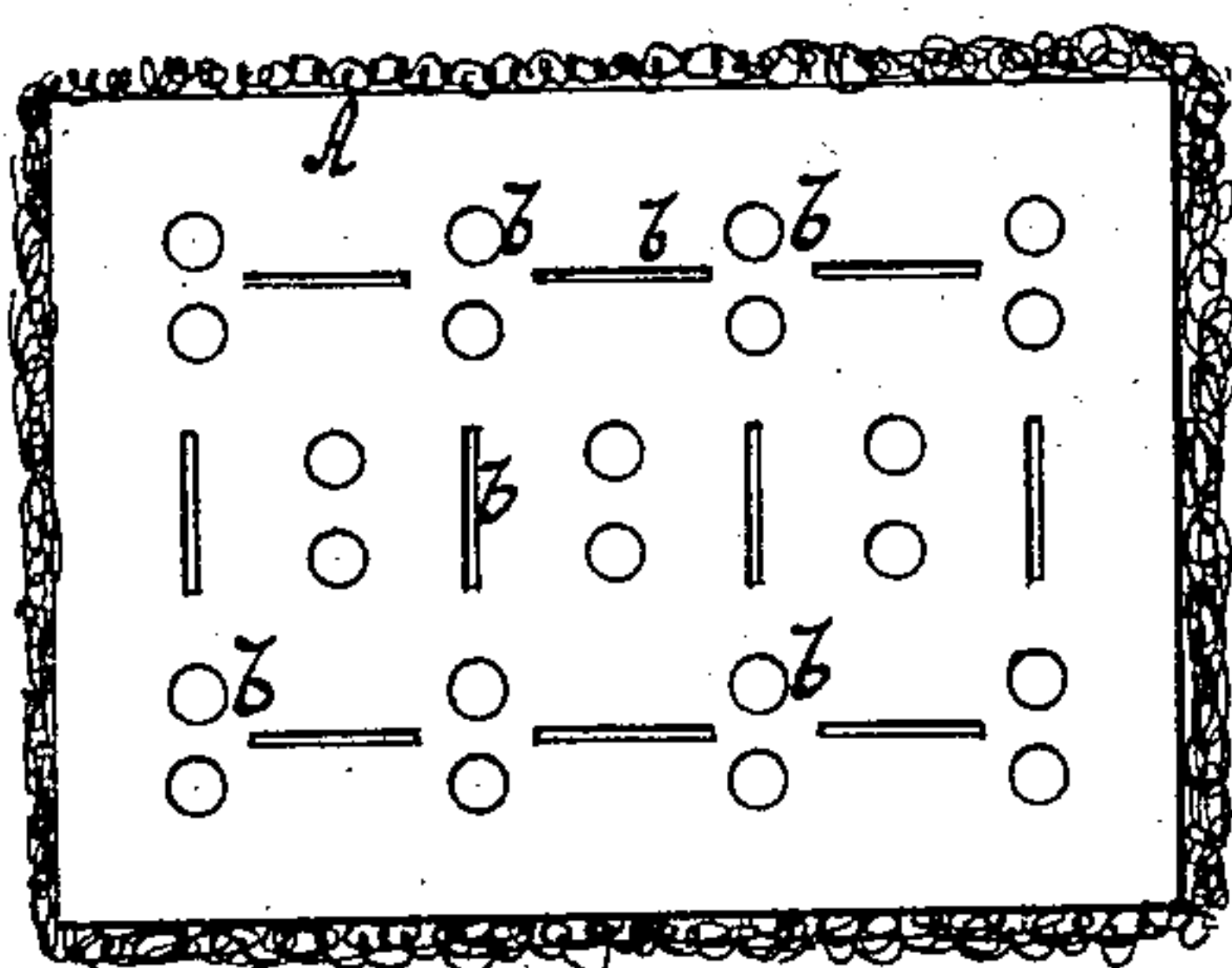


Fig. 2.



Witnesses:

Otto Stifel and
William Miller.

Inventor:
Chester D. Flynt.

by *Van Santvoord & Hauff,*
his attorneys.

UNITED STATES PATENT OFFICE.

CHESTER D. FLYNT, OF BROOKLYN, NEW YORK.

CAR-AXLE LUBRICATOR.

SPECIFICATION forming part of Letters Patent No. 228,337, dated June 1, 1880.

Application filed April 22, 1880. (No model.)

To all whom it may concern :

Be it known that I, CHESTER D. FLYNT, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented new and useful Improvements in Car-Axle Lubricators, of which the following is a specification.

This invention relates to the construction of pads for lubricating the journals of car-axes; and it consists in a pad in which are combined a covering of sheep-skin or other skin of a like nature with the wool left thereon, such skin being perforated for the passage of oil, and a stuffing of wool, hair, sponge, or other absorbent and elastic material, so that while this pad is extremely durable it is an effective medium for lubricating a journal, besides keeping the latter free of impurities.

This invention is illustrated in the accompanying drawings, in which—

Figure 1 shows the pad, in cross-section, located in a journal-box. Fig. 2 is a rear view of the coveringspread out to show more clearly its perforations.

Similar letters indicate corresponding parts.

The letter A designates the covering of the pad, having perforations *b*, and C the stuffing.

In carrying out my invention I take a piece of sheep-skin or any other skin of a similar nature with the wool left thereon and cut the same to a shape suitable for producing a pad of the desired form, at the same time perforating the skin at divers points with holes of round, oblong, or any other shape. I then join the edges of the skin by stitches or other suitable means, leaving an opening for the introduction of the stuffing, whereupon I stuff the bag or covering thus obtained with wool, hair, sponge, or other absorbent and elastic material. I then close the opening through which the stuffing was introduced, when the whole is ready for use.

In applying the pad to use it is placed on the bottom of a journal-box, so as to impinge against the journal, as shown in Fig. 1, its diameter or thickness being gaged appropriately for this purpose. If the journal-box is then supplied with oil, the oil is immediately ab-

sorbed or sucked up by the pad, and the latter is thoroughly permeated therewith, so as to lubricate the journal in an effective manner, the oil which is wiped off the pad by the journal being at once replaced with fresh oil by suction.

It is a well-known fact that wool is a superior conductor of oil, while it is also least liable to take fire, compared to the waste now commonly used in journal-boxes, and hence that material is peculiarly adapted to a lubricating-pad.

Another advantage of the wool is that it acts as a wiper to keep the journal free of impurities, while the skin carrying the wool renders the whole extremely durable.

In some cases I attach to the pad a string or band, for convenience of handling.

If desired, the wool may be shorn from the skin-covering on that part or side of the pad which is out of contact with the journal, or a cheap material, such as leather burlaps, may be inserted at that place.

A good result is obtained by coating the bearing-surface of my pad with talc, soapstone, plumbago, or other similar material.

It will be seen that as the pad takes up the oil from the bottom of the journal-box it swells or expands, and hence the pad at once adapts itself to the journal without regard to the size or the shape of the pad.

What I claim as new, and desire to secure by Letters Patent, is—

The lubricating-pad herein described, consisting of a covering of sheep-skin or other skin of a like nature with the wool left thereon, such skin being perforated for the passage of oil, and a stuffing of wool, hair, sponge, or other absorbent and elastic material, substantially as shown and described.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

C. D. FLYNT. [L. S.]

Witnesses:

W. HAUFF,
A. UNDERHILL.