

UNITED STATES PATENT OFFICE.

MORIZ BAUER, OF VIENNA, AUSTRIA-HUNGARY.

BANDAGE OR PLASTER.

SPECIFICATION forming part of Letters Patent No. 685,090, dated October 22, 1901.

Application filed May 23, 1901. Serial No. 61,641. (No specimens.)

To all whom it may concern:

Be it known that I, MORIZ BAUER, a citizen of the Empire of Austria-Hungary, residing at Vienna, Austria-Hungary, have invented certain new and useful Improvements in Surgical Bandages or Plasters; 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 appertains to make and use the same.

This invention relates to surgical bandages or plasters, and has for its object to provide a new and improved antiseptic, transparent, and impervious bandage or plaster.

The invention will be first fully described hereinafter and afterward specifically pointed out in the appended claims.

In manufacturing my improved bandage or plaster the agar-agar plant (which is well known and may be purchased in drug-stores) is cleaned several times in fresh cold water and then mixed with from ten to fifty times its weight of distilled water and exposed for at least sixty minutes in a steam sterilizing apparatus to a temperature of 100° centigrade, by which it is sterilized, the plant gelatin is dissolved, and a fluid is formed which, while in large quantities is opaque, is at the same time perfectly clear. Suitable antiseptic remedies may also be introduced into the sterilizer during the operation, if desired. To this fluid kali soap or soft soap in a quantity of about thirty to fifty per cent. of the weight of the agar-agar plant used therein is added, whereafter the fluid being still in a hot condition is poured in thin layers upon plates or suitable textures or fabrics, so that after the cooling of the liquid on the plates or fabrics a thin pellicle will be formed or the texture or fabric will be covered with

a similar pellicle, upon which a coating of glue or cement may be pasted, if desired.

To increase the flexibility of the plaster, it may be advisable to add glycerin in a heated condition in quantities of fifty to one hundred per cent. of the weight of the used agar-agar plant.

The plaster produced by this process has without the application of the glue a sufficient power of adhesion to wet skin, and will cling closely to any part of the body, and will in consequence of the condition of the soap have no inclination to shrink after its application, so that it will not cause any strain or drawing up of the skin.

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

1. An improved surgical bandage or plaster comprising a fabric coated with a thin layer of a cooled aqueous solution of the agar-agar plant and soft soap, substantially as described.

2. An improved surgical bandage or plaster comprising a fabric coated with a thin layer of a cooled aqueous solution of the agar-agar plant and soft soap and glycerin, substantially as described.

3. An improved surgical bandage or plaster comprising a fabric coated with a thin layer of a cooled aqueous solution of the agar-agar plant and soft soap, glycerin and antiseptic substances, substantially as described.

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

MORIZ BAUER.

Witnesses:

AUGUST C. MAYETHA,
ALVESTO S. HOGUE.