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METHOD OF AFFIXING STAMPS

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Fig. 1.

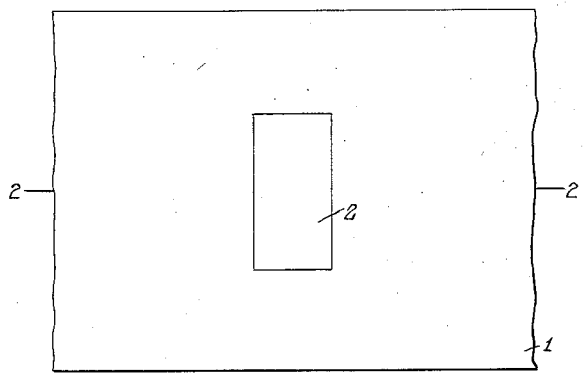
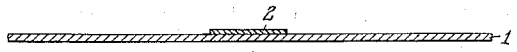


Fig. 2.



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METHOD OF AFFIXING STAMPS

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33 Claims. (Cl. 216—62)

This invention relates to the uniting or affixing of gummed materials, such as labels, stamps, instruction sheets, price tags, trade-marks, etc., to materials which are normally non-responsive to water-sensitive adhesives.

There are many materials, such as foodstuffs, chemicals, soap powders, tobacco and the like, which are susceptible to gain or loss of moisture. These materials are, preferably, packaged in a material which prevents a change in moisture content.

Recently, there has appeared on the market a packaging material which is admirably suited for this purpose. It consists of a base combined, as, for example by being thinly coated on both sides, with a suitable moistureproofing composition. The base of the packaging material in its most common specie consists of a sheet or film of regenerated cellulose, but it may consist of paper, gelatin, metal foil, cellulose acetate and the like.

When the moistureproofing composition is applied to a transparent base, the product possesses a transparency which is at least equal to that of the base. In some cases, such as, for example, when paper constitutes the base, the moistureproof product is characterized by a transparency which is even greater than that possessed by the original base.

The moistureproofing composition contains a waxy substance, and preferably a minor portion thereof. In its preferred form the moistureproofing composition comprises a cellulose derivative, a gum or resin, a wax or wax-like material, with or without a plasticizer. In another form the composition comprises a drying oil and a wax, while in the third modification it comprises a resin and a wax.

Recently it has become the vogue to wrap the usual consumer cigarette package in a transparent moistureproof material, such as, for example, moistureproof regenerated cellulose pellicles. A package so wrapped is not only rendered moistureproof and durable but also, due to the transparency of the wrapper, the legibility of the printed indicia on the package is in nowise impaired.

Certain localities require a revenue stamp to be affixed to the cigarette package by the retail merchant at the time of the sale. These stamps are usually gummed with a water-sensitive adhesive and, due to the fact that the surface of the moistureproof material is not responsive to such water-sensitive adhesives, it is impossible to affix the stamp thereto by the common ordinary procedure, i. e. mere application of water to the adhesive.

Similarly it is impossible to affix other desirable gummed devices, such as labels, instruction sheets, decorative stickers, etc., by moistening with water to materials of the type hereinbefore mentioned employed as wrappers or in any other way.

We have found that by treating a predetermined area of a material, which is normally non-responsive to water-sensitive adhesives, with a composition which deposits a firmly adherent and preferably transparent film or coating, there is provided an area or zone which does not destroy the desirable properties of the material and to which devices gummed with water-soluble adhesives may be effectively affixed and secured by merely superimposing the water-energized adhesive surface thereto and applying sufficient pressure to bring the materials into intimate contact with each other.

It is therefore an object of this invention to provide a method of securing or affixing devices, such as stamps, labels, instruction sheets, etc., gummed with water-sensitive adhesives to materials normally non-responsive to said water-sensitive adhesives.

Another object of this invention is to provide a method of securing or affixing gummed devices to materials normally non-responsive to water-sensitive materials by providing a film or coating on a predetermined area of the material non-responsive to the water-sensitive adhesive, said coating being responsive to water-sensitive adhesives, whereby a water-energized adhesive superimposed thereon will stick thereto.

Another object of this invention is to provide materials normally non-responsive to water-sensitive adhesives, for example, moistureproof materials such as moistureproof sheets or films of regenerated cellulose, with adherent coatings or films of a composition which is responsive to water-sensitive adhesives and does not appreciably impair the desirable properties of said materials.

Other objects will appear from the following description, appended claims, and accompanying drawing forming a part of this specification and wherein:

Figure 1 illustrates an exaggerated fragmentary plan view of a material prepared in accordance with the instant invention.

Figure 2 is a section on line 2—2 of Figure 1.

To explain the invention it will be described in connection with wrappers, but as will become apparent this is merely to illustrate one phase of the

invention and is not intended to restrict the invention thereto.

A material 1 which is normally non-responsive to water-sensitive adhesives and is to constitute a wrapper is treated either before or after the contents have been packaged therein with a sizing composition which deposits a firmly adherent and preferably also flexible film or coating 2 which is responsive to water-sensitive adhesives. Preferably, the film or coating is deposited on a predetermined area of the wrapper where it is agreed that the gummed material is to be affixed.

The sized zone is not apparent to the layman. It, however, can be detected by one skilled in the art because, due to the nature of the composition employed, the coating will be of very slight color, opacity, roughness or tackiness, not sufficient, however, to impair the appearance or servability of the wrapper. By virtue of the fact that the portion treated results from a coating, the essential characteristic of moistureproofness of the wrapper is not appreciably impaired. When the moistureproof wrapper is transparent, the film or coating applied may also be transparent with the result that this desirable characteristic is not impaired to any great extent. If desired, the coated areas may be made of a different hue or color and preferably harmonizing with the material packaged. This is accomplished by incorporating an appropriate coloring material, such as a dye or pigment, in the composition. In a like manner, by incorporating in the composition certain fillers or opacity-inducing agents, the film or coating may be made opaque.

The films or coatings, though sensitive to water-soluble adhesives, are devoid of any great degree of tackiness. This permits the piling, stacking or packaging of the coated materials or packages wherein the coated material constitutes the wrapper without the materials adhering to one another.

The sizing composition which we prefer to employ in accordance with this invention comprises one or more resins, preferably synthetic resins, one or more water-sensitive agglutinants, and optionally one or more softeners, the ingredients being admixed either by being dissolved or suspended in a liquid which is a solvent or swelling agent for the material to which the composition is applied as, for example, the coating of the moistureproof material.

As illustrative of the synthetic resins which have given satisfactory results may be mentioned the glyptals, polymerized terpene resin G, polymerized terpene resin E, all hereinafter more fully explained.

Gelatin, starch (rice), glyceryl bori-borate resin, sometimes known in the trade as aquaresin, sugars, casein, and dextrin are illustrative examples of water-sensitive agglutinants which have given satisfactory results.

Any of the well-known softeners of which castor oil and tricresyl phosphate are representative may be used.

The proportions of the various ingredients of the sizing may vary within wide limits. In general, the quantity of resin present in the composition is sufficient to secure the film to the moistureproof coating of the base, and the proportion of the water-sensitive agglutinant therein is sufficient so that the coating will become tacky upon wetting or moistening with water or responsive to energized water-sensitive adhesives. Sufficient softener is incorporated in the size to impart the desired or necessary adhesiveness and flexibility to the coating.

In order to more clearly illustrate this phase of the invention, several examples of compositions which have given satisfactory results are given. It is to be understood that these examples are merely illustrative and not limitative of the invention.

Example I

This composition comprises:

	Parts by weight
Solution A	38
Solution B	13
Ethyl acetate	20

Solution A comprises:

	Parts by weight
Gelatin (high grade)	30
Water	68
Acetic acid (glacial)	2

It is prepared by heating on a water bath for approximately 6 hours, during which time it is occasionally stirred. Subsequently 3.5 grams of anhydrous sodium carbonate are added and the mass stirred.

Solution B comprises:

	Parts by weight
Glyptal resin	175
Ethyl acetate	175
Castor oil	44

The glyptal resin is made from:

	Parts by weight
Glycerin	14.6
Phthalic anhydride	20.7
Chinawood oil acids	31.5
Rosin	33.2

when heated to 180° C. for 1 hour, then slowly to 250° C. where the temperature is held until the acid number is approximately 25.0. Carbon dioxide is bubbled slowly through the liquid mixture at the higher temperature.

The Solution A, previously warmed, is added very slowly and with active stirring to the Solution B, which has been filtered. The ethyl acetate is then added.

Example II

This composition comprises 5 parts by weight of dry rice starch and 15 parts by weight of the following:

	Parts by weight
Glyptal resin	36
Polymerized terpene resin G	12
Polymerized terpene resin E	2
Ethyl acetate	50

It is prepared by adding 5 grams of dry rice starch with stirring to 15 grams of the resin solution.

The glyptal resin is made from:

	Parts by weight
Glycerin	18
Phthalic anhydride	44
Castor oil	38

when heated in an open kettle for 4–5 hours at 200° C. to give a final resin having an acid number of about 50.

The polymerized terpene resin G, sometimes

known as "Flexoresin GG–1", has the following physical characteristics:

Specific gravity (A. S. T. M. D–71–27)	1.040 at 25° C.
Softening point (A. S. T. M. D–36–26)	48° C.
Color (U. S. rosin standards)	E+
Refractive index	1.5262 at 25° C.
Penetration (A. S. T. M. D–5–25)	25.5 at 25° C.
Acid number	10.3

The polymerized terpene resin E, sometimes known as "Flexoresin E–1", has the following physical characteristics:

Specific gravity (Westphal balance)	.9032 at 25° C.
Viscosity in poises	.914 at 25° C.
Color (Gardner-Holdt tubes)	#4½
Refractive index	1.502
Acid number	16.8

Example III

The composition comprises:

	Parts by weight
Mixture A	16
Acetone	64
Aquaresin (a glyceryl bori-borate resin)	8
Methyl cellosolve (mono-methyl ether of ethylene glycol)	12

Mixture A comprises:

	Parts by weight
Glyptal resin	72
Polymerized terpene resin G	24
Polymerized terpene resin E	4

The glyptal resin and terpene resins are the same as those described in Example II.

The mixture A is dissolved in acetone and the aquaresin is dissolved in the methyl cellosolve, and finally the two solutions are mixed.

Example IV

This composition comprises Solution A and Solution B, hereafter described.

Solution A is prepared by warming to approximately 50° C. the following substances in approximately the proportions set forth:

	Parts by weight
Gelatin (high grade)	30
Acetic acid (glacial)	54
Distilled water	24
Alcohol 99%	150

To the solution formed there is added 72 grams of alcohol with stirring. Finally 100 grams of acetone are added dropwise.

Solution B comprises:

	Parts by weight
Acetone	120.0
Tricresyl phosphate	12.5

and 30 parts by weight of the following:

	Parts by weight
Glyptal resin	72
Polymerized terpene resin G	24
Polymerized terpene resin E	4

The final composition is prepared by adding Solution A to Solution B with stirring.

If desired, coloring agents, such as dyes or pigments, may be incorporated in the compositions. Likewise, fillers and opacity-inducing substances may also be added.

Though each of the specific examples above described discloses only one water-sensitive agglutinant, it is within the purview of this invention to use a plurality thereof. The desired sizing composition is applied in any convenient manner to a predetermined area of, for example, a wrapping tissue of the type hereinbefore described. The solvent is then substantially eliminated by evaporation preferably by heating and the resulting material packed and packaged in the usual manner and shipped to the user. The wrapping tissue is finally enveloped about the article to be packaged. These wrapped packages are packed in the well-known manner, in which state they are distributed throughout the world.

When the usual consumer package of cigarettes is so wrapped, in those localities where a revenue stamp is required to be affixed by the retail merchant at the time of the sale, it is only necessary for the retail merchant to moisten a portion of the sized area and/or energize the water-soluble adhesive on the stamp with water, whereby upon superimposition of the stamp it may be readily affixed. The affixing is similar to the affixing of a postage stamp on an envelope or the like.

Instead of applying the coating to the wrapping tissue prior to the wrapping operation, the coating may be applied after the desired contents have been wrapped therein. For example, in the case of cigarettes, after the usual consumer package has been wrapped and sealed in the wrapping tissue, the composition may be applied in any suitable manner to any predetermined portion of the package. Upon drying, the film responsive to the water-sensitive adhesive is formed. This package is then packed in cartons or the like and the stamp affixed, as previously described, at the time of the sale or at any other time.

As an alternative, the material normally non-responsive to water-sensitive adhesives, such as, for example, moistureproof regenerated cellulose pellicles, may be coated with, for example, gelatin, aquaresin or the like, which is anchored or securely bonded to the base by a coating of synthetic resin of the kind hereinbefore set forth.

Though the invention has been described specifically in connection with moistureproof regenerated cellulose pellicles it is not restricted thereto since it is equally applicable to other materials non-responsive to water-soluble adhesives, such as, for example, pyroxylin objects, pyroxylin coated materials, synthetic plastic articles, cellulose acetate materials, and even to highly lacquered, varnished or painted materials, and metals or articles formed thereof, such as tin cans, foils, etc.

It is also to be understood that the invention is not restricted to the affixing of stamps but that any gummed materials, such as labels, instruction sheets, trade-marks, etc., may be effectively affixed by utilizing the instant invention.

Though the preferred embodiment of the invention contemplates the affixing of devices gummed with water-sensitive adhesives to materials normally non-responsive to such water-sensitive adhesives, the invention is not limited thereto. The principles of the instant invention may be utilized in any process wherein it is desired to employ a water-sensitive adhesive in conjunction with a material normally non-responsive to said water-sensitive adhesive. For example, a mois-

tureproof material, such as moistureproof regenerated cellulose pellicles, may be sized with one of the compositions herein described on predetermined areas thereof, such as adjacent the edges thereof, and then upon the application of a water-sensitive adhesive the sheet may be sealed to itself. Such a procedure may be utilized in a process of making tubes, bags, envelopes or the like. Likewise, two or more sheets may be secured together in the production of divers articles.

The terminology employed in the claims is intended to cover the material, either before or after it is enveloped about the contents packaged.

Since it is obvious that various changes may be made in the above description without departing from the nature and spirit thereof, this invention is not restricted thereto except as set forth in the appended claims.

We claim:

1. An article of manufacture comprising a material provided with a surface normally non-responsive to water-sensitive adhesives having a coating comprising one or more synthetic resins and a water-sensitive agglutinant on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

2. An article of manufacture comprising a moistureproof material normally non-responsive to water-sensitive adhesives having a coating comprising one or more synthetic resins and a water-sensitive agglutinant on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

3. A wrapping tissue comprising a moistureproof sheet or film of regenerated cellulose having a coating comprising one or more synthetic resins and a water-sensitive agglutinant on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

4. An article of manufacture comprising a material provided with a surface normally non-responsive to water-sensitive adhesives having a coating comprising one or more synthetic resins and gelatin on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

5. An article of manufacture comprising a material provided with a surface normally non-responsive to water-sensitive adhesives having a coating comprising one or more synthetic resins and starch on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

6. An article of manufacture comprising a material provided with a surface normally non-responsive to water-sensitive adhesives having a coating comprising one or more synthetic resins and a glyceryl borate resin on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

7. An article of manufacture comprising a moistureproof material normally non-responsive to water-sensitive adhesives having a coating comprising one or more synthetic resins and gelatin on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

8. An article of manufacture comprising a moistureproof material normally non-responsive to water-sensitive adhesives having a coating comprising one or more synthetic resins and starch on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

9. An article of manufacture comprising a moistureproof material normally non-responsive to water-sensitive adhesives having a coating comprising one or more synthetic resins and a glyceryl borate resin on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-senstitive adhesives may be readily affixed thereon.

10. A wrapping tissue comprising a moistureproof sheet or film of regenerated cellulose having a coating comprising one or more synthetic resins and gelatin on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

11. A wrapping tissue comprising a moistureproof sheet or film of regenerated cellulose having a coating comprising one or more synthetic resins and starch on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

12. A wrapping tissue comprising a moistureproof sheet or film of regenerated cellulose having a coating comprising one or more synthetic resins and a glyceryl borate resin on a predetermined area thereof, said coating being responsive to energized water-sensitive adhesives whereby devices gummed with water-sensitive adhesives may be readily affixed thereon.

13. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a transparent material comprising a pellicular base coated on both sides thereof with a composition containing a wax, whereby the base is rendered moistureproof and non-responsive to water-sensitive adhesives which comprises applying directly to a predetermined area of said material a transparent coating which does not destroy the moistureproofness of said material and is responsive to water-sensitive adhesives, subsequently energizing the water-responsive surface of at least one of the materials to be united with water, and uniting the materials.

14. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material non-responsive to water-sensitive adhesives which comprises applying to a predetermined area of said material a coating comprising a synthetic resin and a water-sensitive agglutinant, said coating being responsive to water-sensitive adhesives, subsequently energizing the water-responsive surface of at least one of the materials to be united with water, and uniting the materials.

15. A method of affixing devices, such as stamps, labels or the like, gummed with water-

sensitive adhesives to a transparent material comprising a pellicular base coated on both sides thereof with a composition containing a wax, whereby the base is rendered moistureproof and non-responsive to water-sensitive adhesives which comprises applying directly to a predetermined area of said moistureproof material a composition which deposits a firmly adherent transparent coating which does not destroy the moistureproofness of said material and is non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-responsive surface of at least one of the materials to be united with water, and uniting the materials.

16. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a moistureproof material non-responsive to water-sensitive adhesives which comprises applying to a predetermined area of said moistureproof material a coating comprising a synthetic resin and a water-sensitive agglutinant, said coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-responsive surface of at least one of the materials to be united with water, and uniting the materials.

17. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material comprising a pellicular base of regenerated cellulose coated on both sides thereof with a composition containing a wax, whereby the base is rendered moistureproof and normally non-responsive to water-sensitive adhesives which comprises applying directly to a predetermined area of the moistureproof material a coating which does not destroy the moistureproofness of said material and is responsive to water-sensitive adhesives, subsequently energizing the water-responsive surface of at least one of the materials to be united with water, and uniting the materials.

18. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a transparent material comprising a pellicular base of regenerated cellulose coated on both sides thereof with a composition containing a wax, whereby the base is rendered moistureproof and normally non-responsive to water-sensitive adhesives which comprises applying directly to a predetermined area of the moistureproof material a transparent coating which does not destroy the moistureproofness of said material and is responsive to water-sensitive adhesives, subsequently energizing the water-responsive surface of at least one of the materials to be united with water, and uniting the materials.

19. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a moistureproof sheet or film of regenerated cellulose which comprises applying to a predetermined area of the moistureproof material an adherent coating comprising one or more synthetic resins and a water-sensitive agglutinant, said coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of one of the materials to be united with water, and uniting the materials.

20. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material which is non-responsive to water-sensitive adhesives which comprises applying to a predetermined area of said material a composition comprising one or more synthetic resins, a water-sensitive agglutinant and a liquid vehicle, said liquid vehicle being capable of at least superficially attacking the surface of said material, whereby the resulting coating will adhere thereto, said coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united, and uniting the materials.

21. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material composed of a base having a moistureproof coating which comprises applying to a predetermined area of the moistureproof material a composition comprising one or more synthetic resins, a water-sensitive agglutinant and a liquid vehicle, said liquid vehicle being capable of attacking the moistureproof coating, whereby the coating resulting from said composition will adhere thereto, said last-named coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united with water, and uniting the materials.

22. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material composed of a sheet or film of regenerated cellulose having a moistureproof coating which comprises applying to a predetermined area of the moistureproof material a composition comprising one or more synthetic resins, a water-sensitive agglutinant and a liquid vehicle, said liquid vehicle being capable of attacking the moistureproof coating, whereby the coating resulting from said composition will adhere thereto, said last-named coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united with water, and uniting the materials.

23. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material which is non-responsive to water-sensitive adhesives which comprises applying to a predetermined area of said material a composition comprising one or more synthetic resins, gelatin and a liquid vehicle, said liquid vehicle being capable of at least superficially attacking the surface of said material, whereby the resulting coating will adhere thereto, said coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united, and uniting the materials.

24. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material which is non-responsive to water-sensitive adhesives which comprises applying to a predetermined area of said material a composition comprising one or more synthetic resins, starch and a liquid vehicle, said liquid vehicle being capable of at least superficially attacking the surface of said material, whereby the resulting coating will adhere thereto, said coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united, and uniting the materials.

25. A method of affixing devices, such as

stamps, labels or the like, gummed with water-sensitive adhesives to a material which is non-responsive to water-sensitive adhesives which comprises applying to a predetermined area of said material a composition comprising one or more synthetic resins, a glyceryl borate adhesive and a liquid vehicle, said liquid vehicle being capable of at least superficially attacking the surface of said material, whereby the resulting coating will adhere thereto, said coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united, and uniting the materials.

26. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material composed of a base having a moistureproof coating which comprises applying to a predetermined area of the moistureproof material a composition comprising one or more synthetic resins, gelatin and a liquid vehicle, said liquid vehicle being capable of attacking the moistureproof coating, whereby the coating resulting from said composition will adhere thereto, said last-named coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united with water, and uniting the materials.

27. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material composed of a base having a moistureproof coating which comprises applying to a predetermined area of the moistureproof material a composition comprising one or more synthetic resins, starch and a liquid vehicle, said liquid vehicle being capable of attacking the moistureproof coating, whereby the coating resulting from said composition will adhere thereto, said last-named coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united with water, and uniting the materials.

28. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material composed of a base having a moistureproof coating which comprises applying to a predetermined area of the moistureproof material a composition comprising one or more synthetic resins, a glyceryl borate adhesive and a liquid vehicle, said liquid vehicle being capable of attacking the moistureproof coating, whereby the coating resulting from said composition will adhere thereto, said last-named coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united with water, and uniting the materials.

29. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material composed of a sheet or film of regenerated cellulose having a moistureproof coating which comprises applying to a predetermined area of the moistureproof material a composition comprising one or more synthetic resins, gelatin and a liquid vehicle, said liquid vehicle being capable of attacking the moistureproof coating, whereby the coating resulting from said composition will adhere thereto, said last-named coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united with water, and uniting the materials.

30. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material composed of a sheet or film of regenerated cellulose having a moistureproof coating which comprises applying to a predetermined area of the moistureproof material a composition comprising one or more synthetic resins, starch and a liquid vehicle, said liquid vehicle being capable of attacking the moistureproof coating, whereby the coating resulting from said composition will adhere thereto, said last-named coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united with water, and uniting the materials.

31. A method of affixing devices, such as stamps, labels or the like, gummed with water-sensitive adhesives to a material composed of a sheet or film of regenerated cellulose having a moistureproof coating which comprises applying to a predetermined area of the moistureproof material a composition comprising one or more synthetic resins, a glyceryl borate adhesive and a liquid vehicle, said liquid vehicle being capable of attacking the moistureproof coating, whereby the coating resulting from said composition will adhere thereto, said last-named coating being non-tacky during storage and responsive to water-sensitive adhesives, subsequently energizing the water-sensitive surface of at least one of the materials to be united with water, and uniting the materials.

32. A wrapping tissue comprising a pellicular base coated on both sides thereof with a composition containing a wax, whereby the base is rendered moistureproof and normally non-responsive to a water-sensitive adhesive and a coating normally responsive to water-sensitive adhesives directly disposed on a predetermined area of the moistureproof coating without destroying the moistureproofness of the latter, whereby devices gummed with water-sensitive adhesives may be directly and readily affixed thereto upon energizing the gum on the gummed device or the coating responsive to water-sensitive adhesives.

33. A transparent wrapping tissue comprising a transparent pellicular base of regenerated cellulose coated on both sides thereof with a composition containing a wax, whereby the base is rendered moistureproof and normally non-responsive to a water-sensitive adhesive and a transparent coating normally responsive to water-sensitive adhesives directly disposed on a predetermined area of the moistureproof coating without destroying the moistureproofness of the latter, whereby devices gummed with water-sensitive adhesives may be directly and readily affixed thereto upon energizing the gum on the gummed device or the coating responsive to water-sensitive adhesives.

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