June 24, 1958 E. J. HILL 2,840,092

BEACH PINS

Filed Feb. 1, 1955

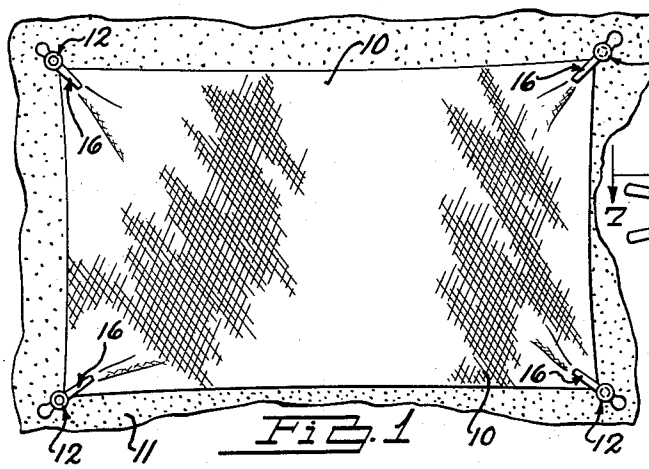

Fig. 1

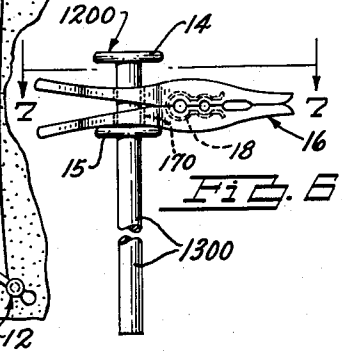

Fig. 6

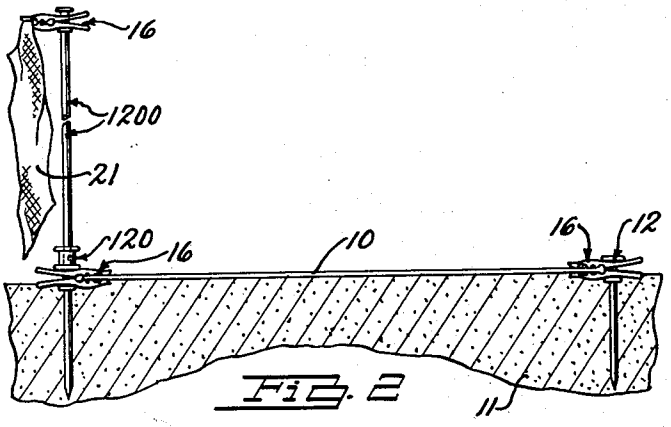

Fig. 2

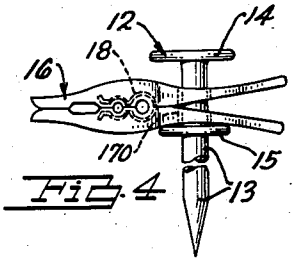

Fig. 4

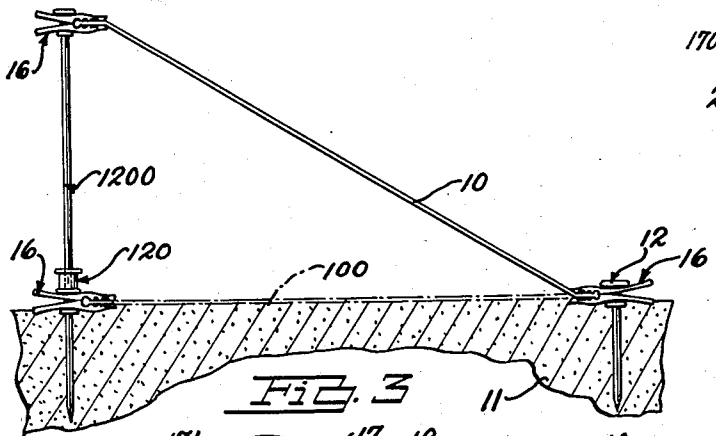

Fig. 3

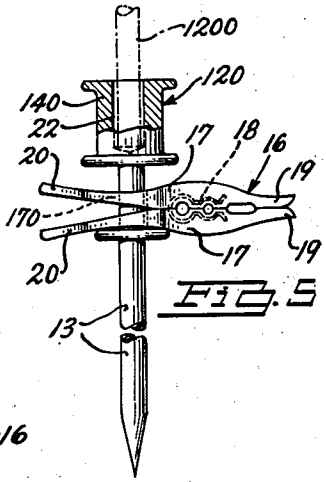

Fig. 5

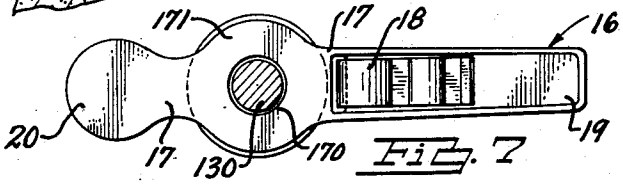

Fig. 7

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United States Patent Office 2,840,092 Patented June 24, 1958

2,840,092

BEACH PINS

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Application February 1, 1955, Serial No. 485,514

1 Claim. (Cl. 135—5)

This invention relates to beach pins and beach pin sets, and in particular to an improved and versatile means for anchoring beach cloths, blankets and the like to the ground and establishing windbreaks and sunshield therewith.

When individuals, couples and families go to resorts or on picinics, they usually take a beach cloth, blanket or other covering for the ground to sit upon, or to serve as a sunshield or a windbreak. Also a large cloth is ofttimes spread upon the ground as a service cloth for a picnic lunch.

Blankets, cloths and the like when so used seldom if ever stay spread as desired. They are scuffed out of place or the wind blows them away, ofttimes upsetting items placed thereon. Also, if it is desired to employ a beach cloth, blanket or the like as a windbreak or sunshield, no convenient means is generally available to support and hold it in the desired position.

With the foregoing in view, the primary object of the invention is to provide simple, effective, and reusable means for maintaining beach cloths, blankets and the like spread over the sand or ground, and, when desired, for supporting the beach cloth or the like on one end or side thereof to provide a windbreak, sunshield or shelter from rain or other elements.

Another object of the invention is to provide beach pins and beach pin sets adapted to be pressed into the sand or ground including means carried thereby for anchoring blankets or other objects thereto either at the sand or ground level, or in an elevated position.

Other objects of the invention will become apparent by reference to the following detailed description taken in connection with the accompanying drawing, in which:

Fig. 1 is the plan view of a beach cloth anchored down with a set of anchor beach pins embodying the invention.

Fig. 2 is a longitudinal elevational view of the anchored down beach cloth shown in Fig. 1 wherein one anchor-holder beach pin is employed with a beach pin extension element added to the anchor-holder beach pin for use in drying towels and the like.

Fig. 3 is a longitudinal elevational view of a beach cloth similar to Fig. 1 with beach pins embodying the invention at all four corners, the beach pins at two corners being anchor-holder beach pins with beach pin extension elements therein to support one end of the beach cloth in an elevated position to provide a windbreak or sunshield.

Fig. 4 is a detailed elevational view of an anchor beach pin embodying the invention.

Fig. 5 is a detailed elevational view of an anchor-holder beach pin embodying the invention usable as an anchor and to support beach pin extension elements.

Fig. 6 is a detailed elevational view of a beach pin extension element usable with anchor-holder beach pins embodying the invention.

Fig. 7 is a typical horizontal sectional view taken on the line 7—7 of Fig. 6 showing a spring anchor clip impaled on a beach pin extension, like and similar construction being employed on anchor beach pins and anchor-holder beach pins.

Referring now to the drawing wherein like numerals refer to like and corresponding parts throughout the several views, the invention is disclosed in connection with a beach cloth **10** of generous size which may be of any suitable material such as terry cloth, denim, heavy cotton sheeting, balloon silk, plastic or light canvas. The beach cloth **10** also may be a blanket or automobile robe or any other item which people use to sit upon or as a covering. No loops, grommets or other anchor formations are necessary at the corners or along the edges of the beach cloth **10**.

In Fig. 1 a beach cloth **10** is shown spread upon the sand **11** and anchored down at its corners by anchor beach pins **12** which are pressed into the sand **11** a sufficient distance to become firmly anchored therein. Each of the beach pins **12** are preferably formed of plastic, tubing or other suitable material, and, as shown in Fig. 4, they consist of a pointed stake **13** having a circular or disc shaped pressure head **14** thereon, and a limit disc **15** spaced below the said pressure head **14**, both of which are secured to the stake **13** in any suitable manner. The pressure head **14** and limit disc **15** are of such size and strength to permit the anchor beach pins **12** to be pressed into the sand or ground without breakage and without unduly squeezing the clamps **16** carried thereby against the sand or ground. Impaled on the stake **13** between its pressure head **14** and its limit disc **15** is a suitable preferably plastic spring loaded clamp **16** having a pair of arms **17** pivotally connected together by a hairpin spring **18** so that the jaws **19** are constantly urged together. The said jaws **19** may be spread apart to receive the beach cloth **10** therebetween by squeezing the operating grips **20** together. As shown in Fig. 7, the said clamp **16** is provided with aligned apertures **170** through its arms **17** at the bulge **171** formed therein, the said apertures **170** being somewhat larger than the stake **13** to permit the clamp **16** to function and to permit it to swivel to any radial position in respect to the said stake **13**. Obviously, other forms and styles of clamps may be employed, it being essential that they swivel freely around the stake **13** and be protected from breakage by limit discs **15**.

In Fig. 2, an anchor-holder beach pin **120** has been substituted for one of the beach pins **12**, and a beach pin extension element **1200** has been inserted in the anchor-holder beach pin **120**. A towel **21** is shown suspended from the clamp **16** of the beach pin extension element **1200**.

The beach pin **120** shown in detail in Fig. 5 is like and similar to the beach pin **12** with the exception that its head **140** is cylindrical rather than disc shaped and is provided with a well **22** therein to receive the lower end of a beach pin extension element **1200** as indicated in dot and dash lines.

In Fig. 3, an anchor-holder beach pin **120** has been substituted for the two beach pins **12** at the left end of Fig. 1, a beach pin extension element **1200** has been inserted in each of the anchor holder beach pins, and the beach cloth **10** has been anchored at one end in a pair of beach pins **12** and at the other end in a pair of beach pin extension elements **1200**. The foregoing elevates one end of the beach cloth **10**, and, when properly oriented, causes it to serve as a windbreak or a sunshield, as desired. As indicated by the dot and dash lines in Fig. 3, a second beach cloth **100** may be anchored at sand level to lie upon.

The beach pin extension element **1200** shown in Fig. 6 is like and similar to the beach pin **12** except that the stake **1300** thereof is square ended at the bottom thereof

rather than pointed, and is somewhat longer than the stake **13** of the beach pin **12**.

Many diverse uses of beach pins **12**, anchor-holder beach pins **120**, and beach pin extensions **1200** may be employed with one or more beach cloths **10** to provide the bather, sun-bather, picnicker and others with many and sundry combinations and uses of beach cloths **10**. For example, a series of two anchor-holder beach pins may be used to hold a portion of a beach cloth vertically, and leave a portion of the beach cloth to lie upon adjacent the leeward side of the vertically held portion thereof. In other words, the invention provides a combination of elements which co-act in any of a number of different manners to provide a number of different uses of a beach cloth or the like, all to the comfort and enjoyment of the user thereof.

Although but a single embodiment of the invention including interchangeable modifications thereof to provide a versatile and widely usable beach set has been disclosed and described in detail, it is obvious that many changes may be made in the size, shape, arrangement and detail of the various elements of the invention, all without departing from the spirit and scope thereof as defined by the appended claim.

I claim:

In combination, a beach cloth and a plurality of beach pins not less than four employable for holding said beach cloth spread upon the sand, said beach pins each comprising a pointed stake, an enlarged spool type pressure head fixed on said stake onto which pressure is applied to press said stake into the sand, a limit disc fixed on said stake in spaced relationship below said pressure head limiting the extent to which said beach pin may be pressed into the sand, and beach pin clamp means including levers adapted to releasably engage said beach cloth rotatably impaled through said levers on said stake between said pressure head and said limit disc, at least two of said beach pins having a socket formed in the pressure head thereof to telescopingly receive the extension pin of an extension pin element, and an extension pin element including an extension pin of substantial length having a lower end adapted to telescope into the said socket in the pressure head of said beach pin, a pressure head fixed on the top of said extension pin, a limit disc fixed on said extension pin in spaced relationship below said pressure head thereon, and an extension pin clamp means at the top of said extension pin element for releasably engaging said beach cloth to hold a side thereof in an elevated position, said extension pin clamp means being rotatably impaled on said extension pin between the pressure head and the limit disc thereof.

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