No. 701,249. Patented May 27, 1902.

H. L. BEACH.

ADVERTISING DEVICE.

(Application filed Aug. 25, 1900.)

(No Model.)

Fig. 1.

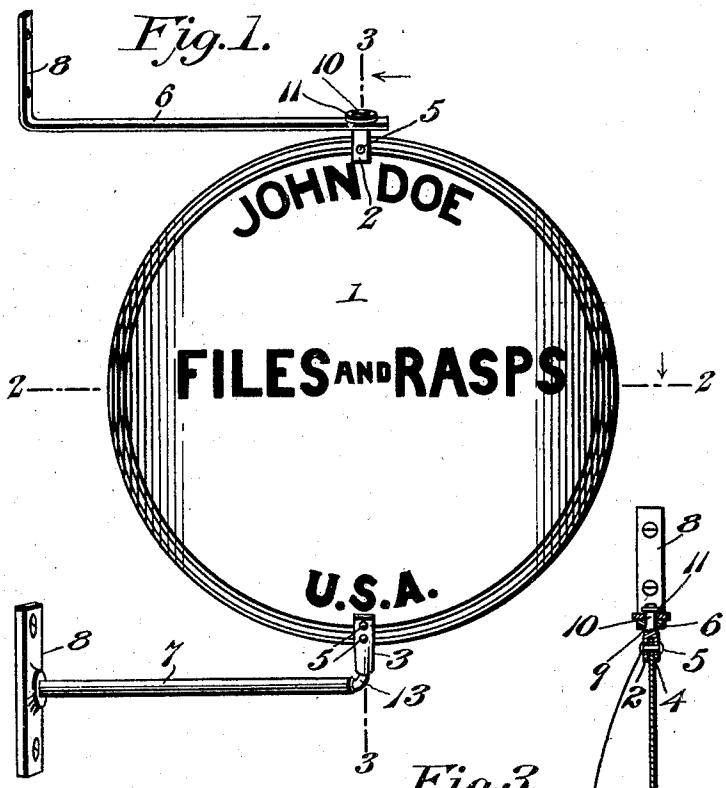


Fig. 3.

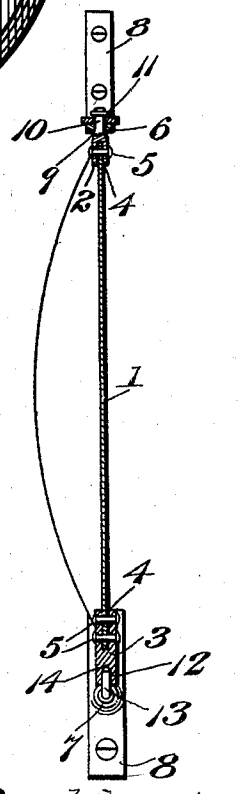
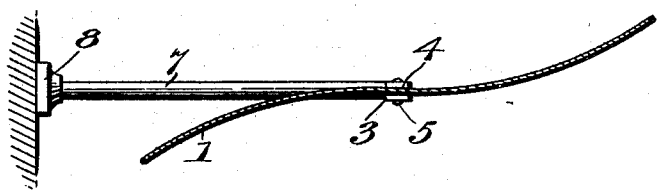


Fig. 2.



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UNITED STATES PATENT OFFICE.

HARRY LUTHER BEACH, OF COSHOCTON, OHIO, ASSIGNOR, BY MESNE ASSIGNMENTS, TO MEEK AND BEACH COMPANY, OF COSHOCTON, OHIO.

ADVERTISING DEVICE.

SPECIFICATION forming part of Letters Patent No. 701,249, dated May 27, 1902.

Application filed August 25, 1900. Serial No. 28,056. (No model.)

To all whom it may concern:

Be it known that I, HARRY LUTHER BEACH, a citizen of the United States, residing at Coshocton, in the county of Coshocton and State of Ohio, have invented a new and useful Advertising Device, of which the following is a specification.

This invention relates to advertising devices, and has special reference to advertising devices of the type known in the trade as "revolving" signs.

To this end the invention primarily has in view novel and simple means for the hanging of a revolving sign whereby there will be a minimum friction on the pivotal supports for the sign to permit of the free rotation thereof under the influence of wind.

A further object of the invention is to provide an improvement in the means for hanging the revolving sign whereby any size or shape of sign may be employed, while at the same time every portion of the sign will be freely exposed for reading, there being no obstruction in the shape of a rod or other element extending across the face of the sign.

With these and many other objects in view, which will more readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

The preferred embodiment of the invention is shown in the accompanying drawings, in which—

Figure 1 is a perspective view of a revolving sign embodying the present invention. Fig. 2 is a transverse sectional view on the line 2 2 of Fig. 1. Fig. 3 is a vertical sectional view through the pivots for the sign on the line 3 3 of Fig. 1.

Like numerals of reference designate corresponding parts in the several figures of the drawings.

In carrying out the invention any size or shape of sign may be employed, such as are ordinarily found useful in the construction of a revolving sign of any character; but for illustrative purposes there is shown in the drawings a revolving sign 1 of circular contour and sigmoidally or compoundly curved in cross-section, such construction being well adapted for the purposes of a revolving sign, inasmuch as the sigmoidal or compound curvature of the sign proper in cross-section presents curved vanes to the wind at opposite sides of the axis of the sign, thus insuring the free rotation thereof under wind influences, and thereby attracting attention to the advertisement contained thereon. It will, however, be understood, as already explained, that any sheet-metal or other sign suitable for pivotal mounting may be employed in carrying out the invention and may have the advertisements placed thereon in any desired manner; but an essential feature of the present invention resides in providing the sign 1 at diametrically opposite points on its edges with the oppositely-located pivot-trunnions 2 and 3, respectively, which when the sign is disposed in an upright position are arranged in the same vertical plane. Both of the diametrically opposite pivot-trunnions 2 and 3 are bifurcated, as at 4, to constitute clip portions receiving the peripheral edge of the sign and rigidly secured thereon by means of rivets or equivalent fastenings 5, passing transversely through the said bifurcated clip portions 4 and the edge of the sign therein, as plainly shown in Fig. 3 of the drawings. It will thus be seen that the diametrically opposite pivot-trunnions 2 and 3 constitute rigid parts of the revolving-sign member 1 and are designed to be pivotally hung upon the oppositely-located hanger-brackets 6 and 7. A pair of the hanger-brackets 6 and 7 are employed and are arranged in spaced relation to accommodate therebetween the revolving-sign member 1, and with the sign arranged in an upright position the said oppositely-located hanger-brackets 6 and 7 are arranged in spaced parallel relation as well as in the same vertical plane. Both of the hanger-brackets 6 and 7 are provided at their inner ends with suitable attaching-feet 8, disposed at right angles to the main horizontal portions of the brackets and adapted to be screwed, nailed, or otherwise fastened to any object to which the sign is to be applied. One of said hanger-brackets 6 (indicated as the upper bracket) is provided in its outer extremity with a bearing-opening 9, loosely receiving

therein the slotted-pin portion 10 of the upper pivot-trunnion 2, and to the upper extremity of the said pin portion 10 of the trunnion 2 is secured a retaining-washer 11, disposed above the upper hanger-bracket 6 and preventing accidental dislocation of the upper pivot-trunnion 2. The diametrically opposite lower pivot-trunnion 3 has formed therein a bearing-socket 12, loosely fitting over the short upturned journal-pintle 13, formed at the outer end of the lower hanger-bracket 7 and having a conical or tapering point 14 registering with the corresponding portion in the base of the socket 12.

It will of course be understood that the bracket-arms 6 and 7 should be of a length at least equal to that radius of the sign-body which is parallel with the arms in order that the sign-body may turn freely between the arms and not strike against the outer surface of the support to which the bracket-arms are fastened.

The construction described permits of the ready hanging of the revolving sign, while at the same time providing for a pivotal bearing-support thereof involving a minimum friction.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described advertising device will be readily apparent to those familiar with the art without further description, and it will be understood that various changes in the form, proportion, and minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In a sign, the combination with a rotatable body having its opposite sides capable of receiving advertising matter, opposite supporting-brackets having laterally-projected arms of a length at least equal to that radius of the sign-body which is parallel with the arms, one of the bracket-arms being provided with a pintle projected toward the other arm, and said other arm being provided with a bearing-seat alined with the pintle, a bearing-socket rigidly secured to one edge portion of the sign-body and rotatably embracing the pintle, and a pintle carried by the diametrically opposite edge portion of the sign and rotatably fitting the bearing-seat of said other bracket-arm, whereby the sign-body is capable of a complete rotation between the brackets.

2. In a sign, the combination with an upstanding sigmoidal sheet-metal rotatable body having advertising matter upon the opposite faces thereof, of upper and lower supporting-brackets having laterally-projected arms of a length at least equal to the horizontal radius of the sign-body, the lower bracket-arm being provided with an upstanding pintle, and the upper bracket-arm being provided with a bearing-seat alined with the pintle, a bearing-socket rigidly secured to the lower edge portion only of the sign-body and rotatably embracing the pintle to form a step-bearing, and a pintle located diametrically opposite the bearing-socket and rotatably fitting the bearing-seat of the upper bracket-arm, whereby the sign-body is capable of a complete rotation between the brackets.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

HARRY LUTHER BEACH.

Witnesses:

B. F. VOORHEES,

R. M. VOORHEES.