No. 875,775. PATENTED JAN. 7, 1908.

E. BURHORN.

FLOOR.

APPLICATION FILED AUG. 29, 1907.

Fig. 1

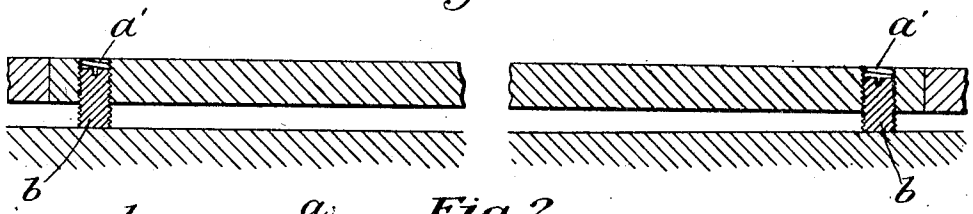


Fig. 2

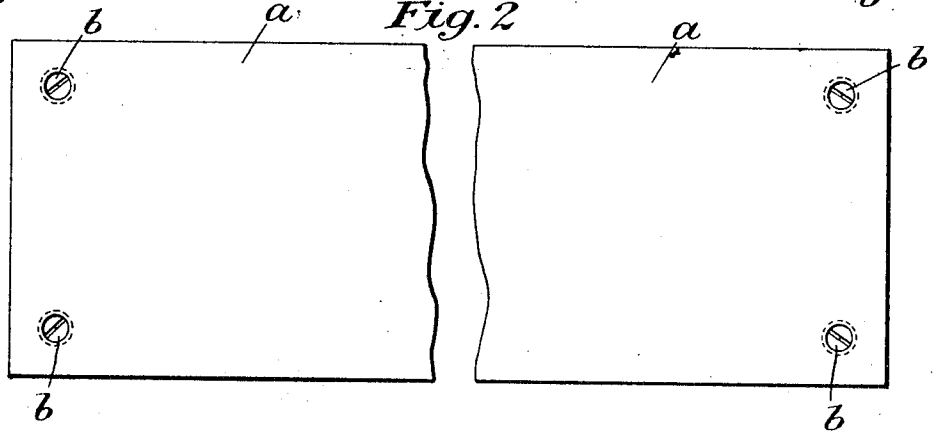


Fig. 3

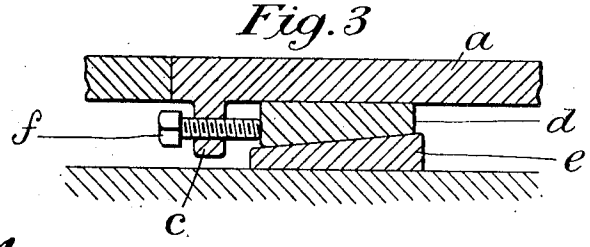


Fig. 4

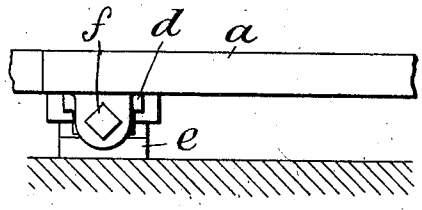
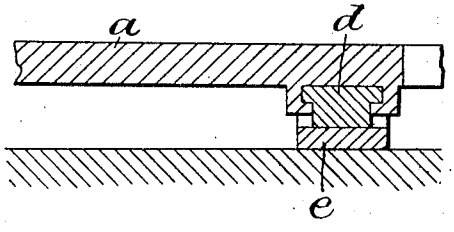


Fig. 5



Witnesses:

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UNITED STATES PATENT OFFICE.

EDWIN BURHORN, OF HOBOKEN, NEW JERSEY.

FLOOR.

No. 875,775. Specification of Letters Patent. Patented Jan. 7, 1908.

Application filed August 29, 1907. Serial No. 390,592.

To all whom it may concern:

Be it known that I, EDWIN BURHORN, a citizen of the United States, and resident of Hoboken, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Floors, of which the following is a specification.

My invention relates to improvements in floors, and the object of my invention is to provide a simple and effective means for adjusting the edges of plates of iron or other material forming the floor, by means of screws.

Heretofore, where the floor has been made of plates of iron, it has been necessary to cut off parts of the underside in order to obtain a level and firm bearing for the plates, upon their supports. This has been an expensive operation, but with my device, the floor plates may be quickly and economically adjusted without any cutting whatever.

My invention is illustrated in the accompanying drawing, in which

Figure 1 is a sectional view. Fig. 2 is a plan view. Fig. 3 is a sectional view of an optional form of my device. Fig. 4 is another view of the same. Fig. 5 is a sectional view of the same.

Similar letters refer to similar parts throughout the several views.

In the usual floor plates *a a* I provide at each corner, or at other suitable intervals as required by the sizes of the plate, screw threaded sockets *a' a'*. Screws *b b* are inserted in each of these sockets. The usual cross-slot for a screw-driver is provided in the head of each screw. These screws *b b* are of such length that when screwed down to their permanent position, the top of the screw will be below the level of the floor plate *a*, the plates being laid upon the floor in the usual manner. It will thus be apparent that the edges or corners of the plates may be raised or lowered as desired by merely turning the screws *b*.

When the plate is brought to the proper position, the screw thread may be broken in the usual manner to prevent accidental displacement. The seat *a'* above the top of the screw *b* may be thereafter filled in with cement or other proper material, to provide an even surface.

An optional form of my device is shown in Figs. 3 and 4, in which the screw instead of passing through the surface of the plate, as in the preferred form of my device, passes through the lug *c* formed integrally on the underside of the plate *a*, adjacent one of the edges of the plate and bears upon a pair of wedges, *d e*. The screw *f* in this form of my device is screw threaded in its seat in the lug *c*, and bears upon the upper wedge plate *d*. By turning the screw *b*, inwardly, the upper wedge plate *d* will be pressed along the lower wedge plate *e*, thus raising the corner or side of the floor plate *a* to which it is applied.

As described above, this device may be applied at each corner of the floor plates, or at suitable intervals along the side, as may be required by the size of the plates.

Having thus described my invention, what I claim is

A floor plate having an integral short depending lug on its under face formed adjacent one of its edges, said lug having a threaded socket therein, a wedge on the surface which is to support the floor plate, and a second wedge engaging the under face of said plate and seating on said first wedge, and a set screw in said socket having its inner end engaging the second wedge and its head adjacent the said edge of the plate.

Signed at New York in the county of New York and State of New York this 30th day of July A. D. 1907.

EDWIN BURHORN.

Witnesses:
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