No. 765,598. PATENTED JULY 19, 1904.

B. SCHLAG.

JOINTED SCALE OR MEASURE.

APPLICATION FILED FEB. 17, 1904.

NO MODEL.

Fig. 1.

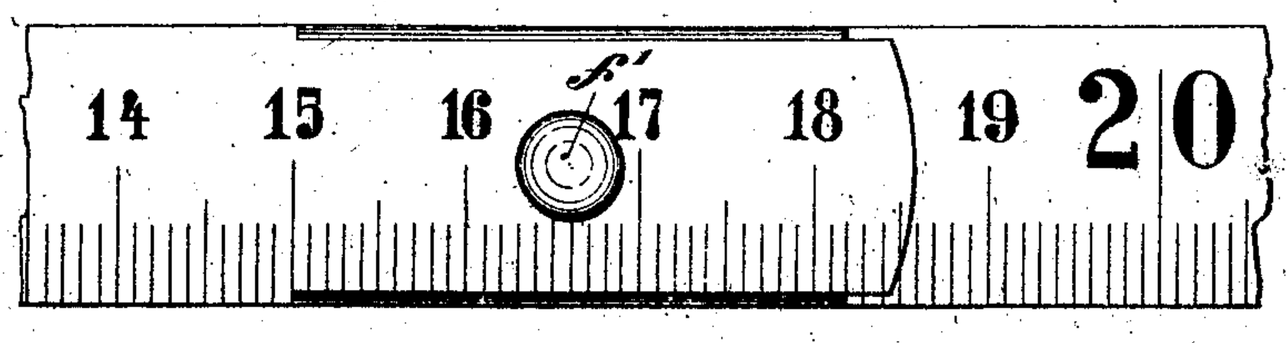


Fig. 2.

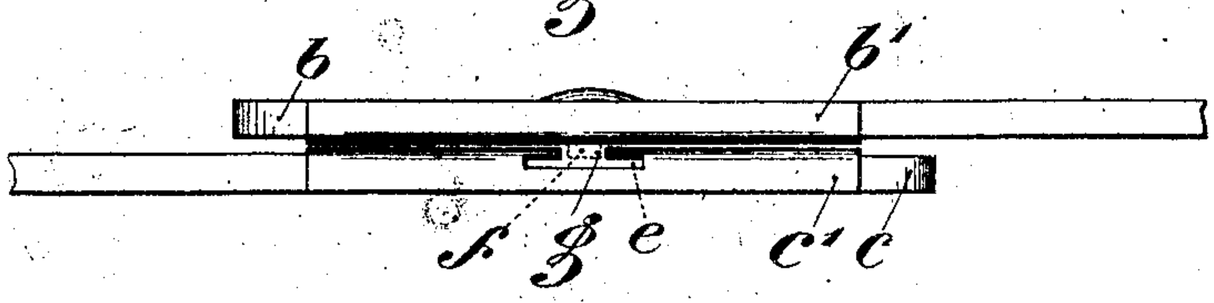


Fig. 3.

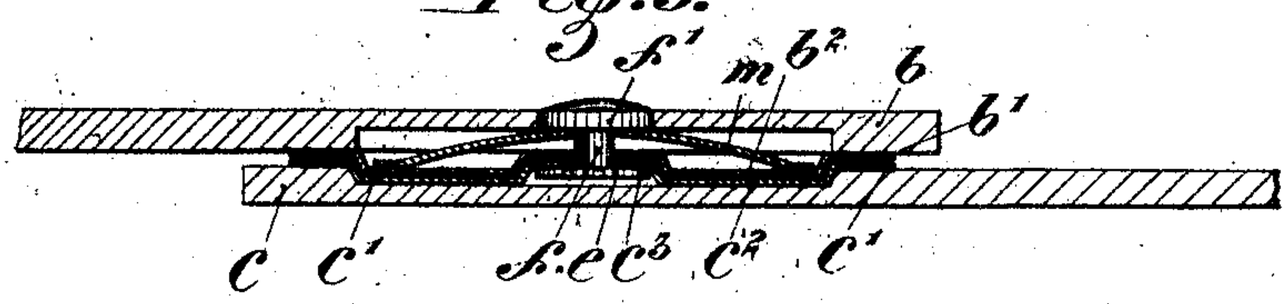


Fig. 4.

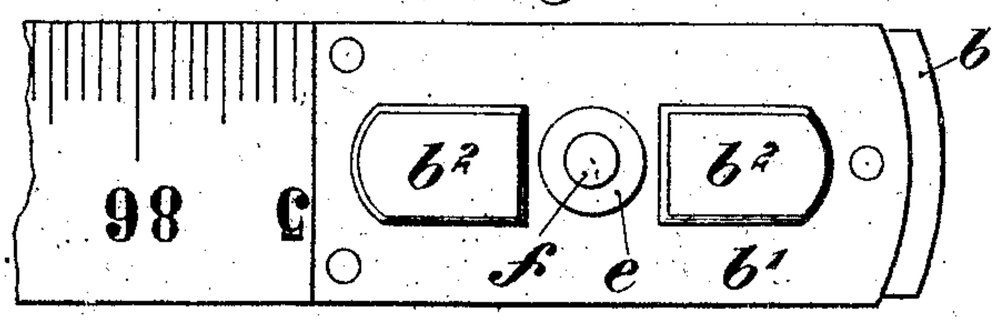
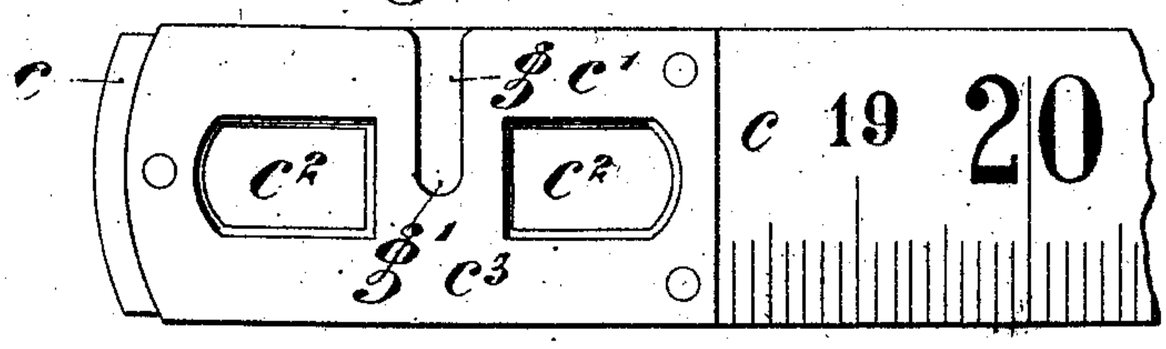


Fig. 5.



Witnesses,
James L. Norris, Jr.
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Bernhard Schlag
By James L. Norris.
Atty.

No. 765,598. Patented July 19, 1904.

UNITED STATES PATENT OFFICE.

BERNHARD SCHLAG, OF WENIGENJENA, NEAR JENA, GERMANY.

JOINTED SCALE OR MEASURE.

SPECIFICATION forming part of Letters Patent No. 765,598, dated July 19, 1904.

Application filed February 17, 1904. Serial No. 193,958. (No model.)

To all whom it may concern:

Be it known that I, BERNHARD SCHLAG, carpenter, a subject of the Grand Duke of Saxe-Weimar, residing at Wenigenjena, near Jena, in the Grand Duchy of Saxe-Weimar, German Empire, have invented certain new and useful Improvements in Jointed Scales or Measures, of which the following is a specification.

My invention relates to a jointed scale or measure with detachable links or sections, and its principal novel feature consists in each link being provided at one end with a transverse undercut slot, so that a connection of the separate links can be readily effected by laterally introducing a pivot-pin of the well-known kind, which is mounted in one end of each link, every pin being provided with a collar, said collar being adapted to engage under the slot of the link to be attached.

The scale according to this invention is illustrated by way of example in the accompanying drawings, in which—

Figure 1 is a plan view of the same; Fig. 2, a side elevation; Fig. 3, a longitudinal section, and Figs. 4 and 5 detail views of the link or section ends.

The end *b* of each of the links which form the scale is provided in the well-known manner with a pivot-pin *f*, having a collar or head *e*, a transverse slot *g* being formed in the other end, *c*, of each link.

The metal fittings *b'* and *c'* hold separate links rigidly together by means of projections b^2, formed on the fitting *b'* longitudinally on either side of the pin *f*, engaging in corresponding recesses c^2 in the part *c'*. The fitting *c'* has consequently a central raised bridge c^3, having a transverse slot *g*, formed in it. The slot *g* allows the base *e* of the pin *f* to be introduced beneath it.

When connecting the separate links, the head *f'* of the pin *f* is pressed down against the action of a spring *m*, arranged in the part *b'*, so that the base *e*, normally held against the under side of the plate *b'*, can be inserted in the slot *g*. The link *c* is then pushed laterally over the base *e* until the stem of the pin *f* comes in contact with the end *g'* of the slot *g*. The spring *m* is then released and secures the parts in that position by pressing the base *e* of the pin *f* upward against the metal plate *c'* of the part *c*. The links are then held in a folded or extended position of the scale by the projections and recesses b^2 c^2.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is—

1. A jointed scale or measure, comprising a plurality of sections, one of said sections having a transverse open-ended slot, and means carried by the other of said sections adapted to slide in said slot for detachably connecting the sections together.

2. A jointed scale or measure, comprising a plurality of sections, one of said sections having a transverse open-ended slot, means carried by the other of said sections adapted to slide in said slot for detachably connecting the sections together, and means adapted to maintain a frictional engagement between said sections.

3. A jointed scale or measure, comprising a plurality of sections one of which has a depression and a transverse open-ended slot and the other of which has a projection adapted to enter said depression and an opening registering with said slot, and means extending through said registering opening and the slot, for detachably connecting the sections together.

4. A jointed scale or measure, comprising a plurality of sections one of which has a depression and a transverse open-ended slot and the other of which has a projection adapted to enter said depression and an opening registering with said slot, a pin extending through said slot and opening for detachably connecting the said sections together, and means for normally retaining the projections of one section in the depressions of the other section.

5. A jointed scale or measure, comprising a plurality of sections one of which has a depression and a transverse open-ended slot and the other of which has a projection adapted to enter said depression and an opening registering with said slot, and means extending through said registering opening and slot, for detachably connecting the sections together.

6. A jointed scale or measure, comprising a plurality of sections one of which has a depression and a transverse open-ended slot and the other of which has a projection adapted to enter said depression and an opening registering with said slot, a pin extending through said slot and opening for detachably connecting said sections together.

7. A jointed scale or measure, comprising a plurality of sections one of which has a depression and a transverse open-ended slot and the other of which has a projection adapted to enter said depression and an opening registering with said slot, means extending through said opening and adapted to slide in said slot for detachably connecting said sections together, and means adapted to normally maintain the projection of one section within the depression of the adjacent section.

8. A jointed scale or measure, comprising a plurality of sections one of which has a depression and a transverse open-ended slot and the other of which has a projection adapted to enter said depression and an opening registering with said slot, a pin extending through said opening and provided on its ends with shoulders, said pin adapted to slide in said slot for detachably connecting said sections together, and means adapted to normally maintain the projection of one section within the depression of the adjacent section.

9. A jointed scale or measure, comprising a plurality of sections one of which has a depression and a transverse open-ended slot and the other of which has a projection adapted to enter said depression and an opening registering with said slot, means extending through said opening and adapted to slide in said slot for detachably connecting said sections together, and a spring adapted to normally maintain the projection of one section within the depression of the adjacent section.

10. A rule comprising a plurality of links, one of said links provided with a depression and an opening, a plate arranged over said depression provided with projections and an opening, said opening registering with the opening in the link, the other of said links provided with a depression, a plate arranged over said depression having depressions and an open-ended transverse slot, said depressions and slot registering with the projections and opening, respectively, of the first-named plate, a pin extending through the openings of the first-mentioned link and plate and the slot of said last-mentioned plate, said pin provided with means for preventing the accidental displacement thereof.

11. A rule comprising a plurality of links, one of said links provided with a depression and an opening, a plate arranged over said depression provided with projections and an opening, said opening registering with the opening in the link, the other of said links provided with a depression, a plate arranged over said depression having depressions and an open-ended transverse slot, said depressions and slot registering with the projections and opening, respectively, of the first-named plate, a pin extending through the openings of the first-mentioned link and plate and the slot of said last-mentioned plate, said pin having a shoulder at its opposite ends, one of said shoulders adapted to contact with the lower face of the last-named plate, and a spring arranged between the other shoulder of the pin and the first-named plate adapted to normally maintain said plates in close contact.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

BERNHARD SCHLAG.

Witnesses:

FRITZ SCHNELL,

GUSTAV DUYSPRING.