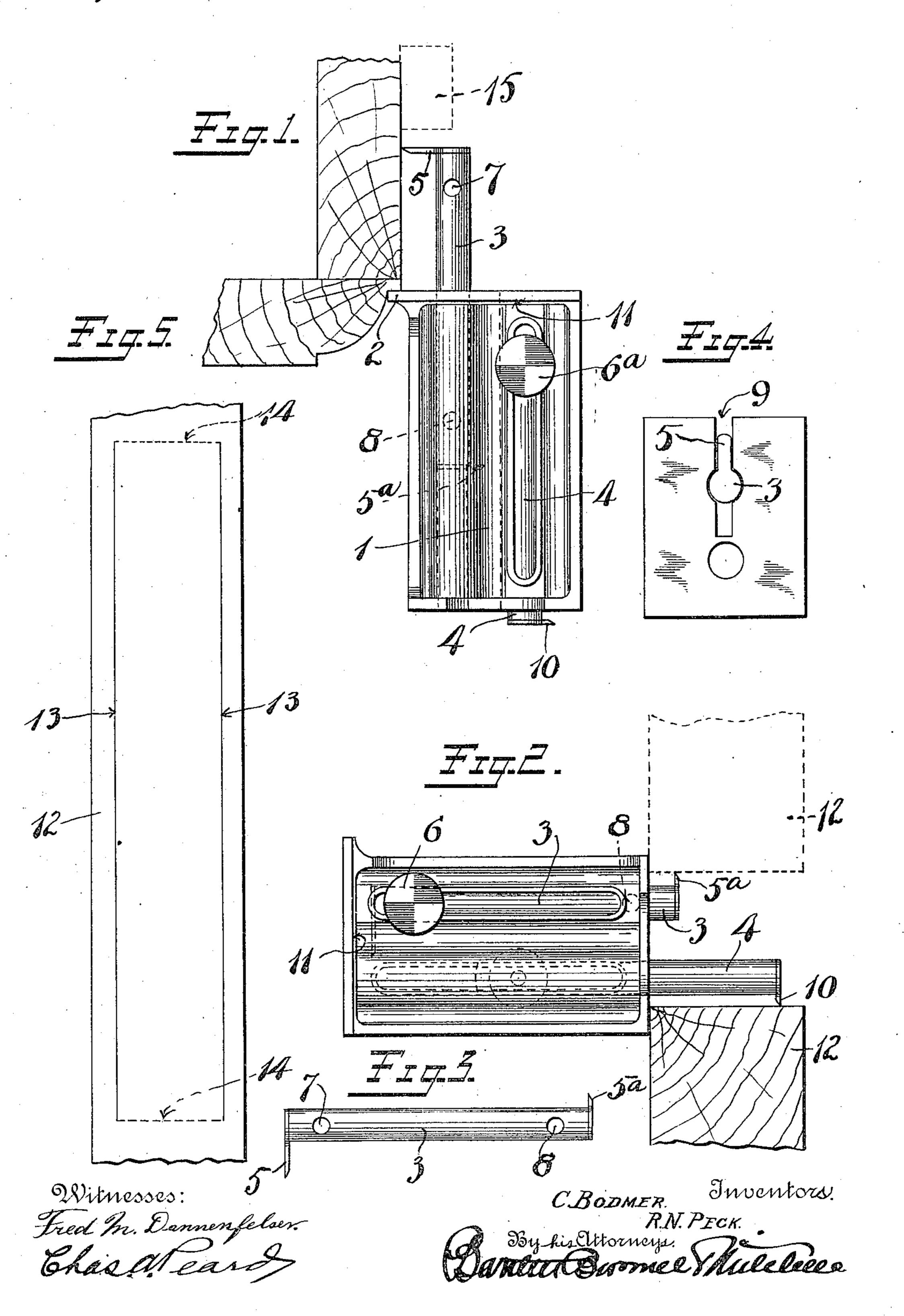
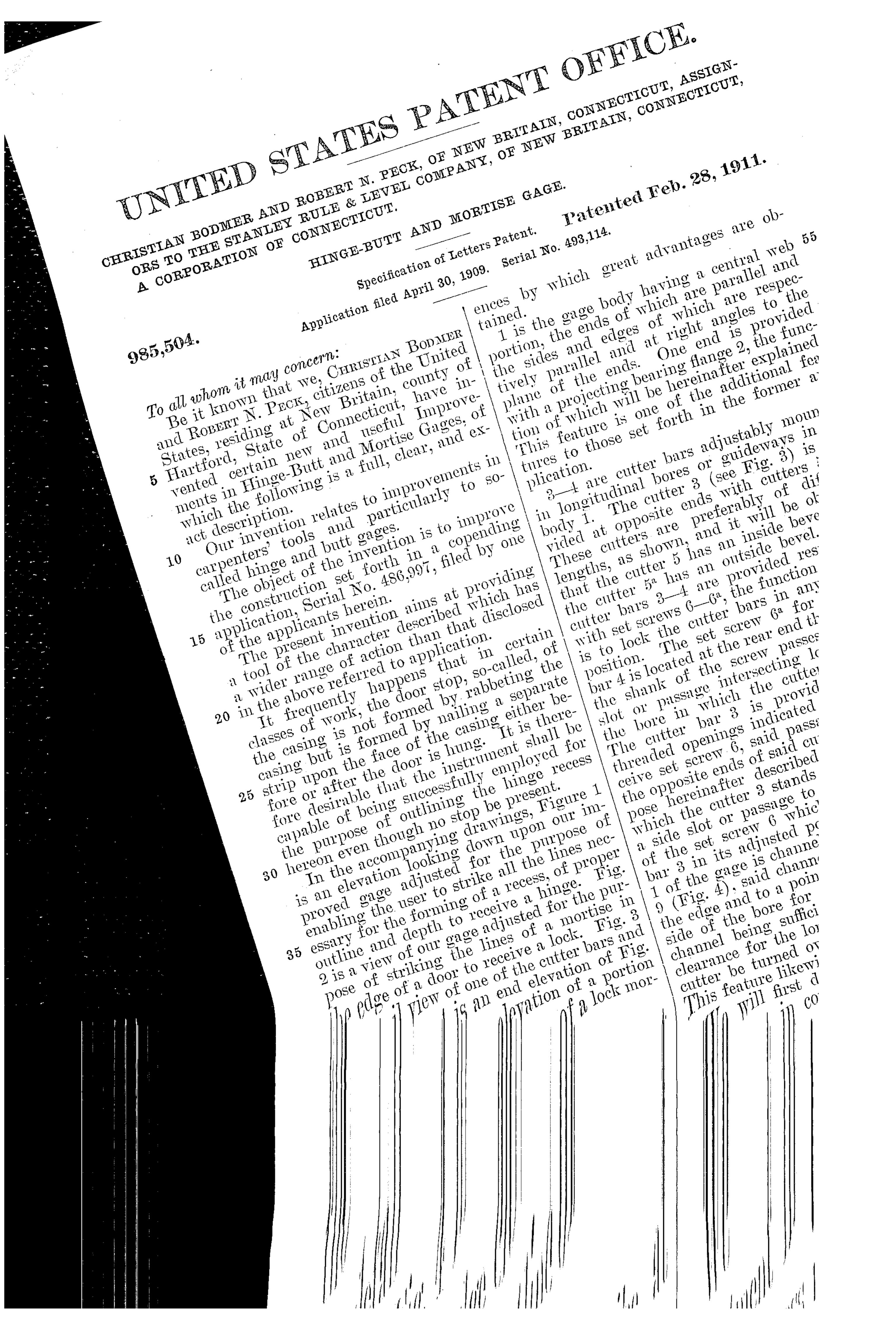
C. BODMER & R. N. PECK.
HINGE BUTT AND MORTISE GAGE.
APPLICATION FILED APR. 30, 1909.

985,504.

Patented Feb. 28, 1911.





Jis instance is located in the opening 8. | face plate, the cutter bar 4 is extended until the proper pos this instance is located in the opening 8. The cutter 5 is so adjusted, that, measured / from the adjacent end of the gage to the he 5 clitting edge of the end of the gage to the struck by the latter, would be spaced away from that portion of the door spaced analy thouse the cute. Touchou of the hoof against miner the solid ance among suit. The culter to is arranged in the proper por the will he och. able to outline the rear of a recess arranged / 10 to receive a himse. The cutter bar 4 is so / coming the part of the comming the part of the cutter of the cutte Sition to strike said line. It will be ob-Selved that the measurements are taken adjusted that the cutter 10 carried thereby Served that the measurements are taken of the door, this being 70 Will be spaced from the adjacent end of the / essential in order that a mistake may not me may not Sage body an appropriate distance for strik. Coccili, the profession. The measurements Ease work an appropriate distance for summer of the with the 15 depth of the which is to coincide with the hinge. Are preferably made from that side of the So of the Which is intended to engage or the flow of the door casing. In Fig. 1 the stop is 1 look montise in Fig. 5 In Fig. 1, We have shown a door casing of the type sometimes found to which no stop / " Las yet been applied and which is provided The two side lines of a lock mortise are in-With a molded edge affording a Provided recovery nare from the conidence of the tell name of tell name of the tell name of the tell name of the tell name of tell name $\frac{\int_{i_{l}}^{i_{l}} \int_{i_{l}}^{i_{l}} \int_{i_{l}$ Tow ledge for the guidance of the tool. In Indicated in dotted lines the end lines are this instance the summand the too.

The mante being no stop to guide / the summand on the flag. the lines 14 14, the gage is placed with 80 The gage, the parts are arranged so that the In inside flange II against the placed value of the neing earling flange 2 may bear against the nar-These lines 14 are then struck, using W ledge as the sage is moved up and ino of the hinge What do strike the sage is moved up and frame in Amarin in the hinge From the foregoing, it will be seen that will 388. The cutter 5 is drawn up and down The instrument is so constructed that it will be seen unau an ahome of the mill 85. | Derform all the functions of the gage shown or and the man to make the shown of t in the face of the casing up and upon hand score Pertount an the above referred to apis formed to determine the back line plication and the additional functions point. e hinge recess. When this is formed, Pucation and the additional functions points these additional functions of the additional functions. ge is turned end for end, and placed/ Leing accomplished by the provision of the go the front face of the door casing and Teresible cutter bar 3, the proposition are a some and ap-Lador of the face of the Telerature current of the sage way ap-Jedge deamy awas we take or one was moreal the bearing / " I. A butt gage comprising a body two informerly much the bearing / dependent sage companies a vour thomain and 95 The cutter determines the depth ing flange provided at each side hovement of said bar in both directions for the himse. It figs 2 is an hovement of said bar in both directions it respective of Tat one end, and squared with movement of said bar in both directions of adjustment of said har Tat one provided at each side side of the said gage, where In a gage, a body, a cutter of said by the control of said by the position of a djustment of said by the control of the said by the s Late one con, and squared with sides of the said sage, where late of the hinge flate. The hain of the hinge flecess, the hain of the hair the narrow ledge, to being for this for this flange narrow reason for this !" Said bar, two at the engine outline of receipan I Stely In said Said Said bar, said Said body for 105 $\begin{array}{c} \left. \left(\begin{array}{c} \left\| \right\|_{OP} \text{ fise in the } \right/ \left(\begin{array}{c} \text{clearance for one or sale of } \\ having a \\ said onide \end{array} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one or sale outlers} \\ \text{cleannel on the opposite side of } \end{array} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance from said clotters} \\ \text{cleannel on the opposite side of } \end{array} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance from said clotters} \\ \text{clotters} \end{array} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one or sale outlers} \\ \text{cleannel on the opposite side of } \end{array} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{cleannel on the opposite side of } \end{array} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{cleannel on the opposite side of } \end{array} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one or sale outlers} \\ \text{clearance for one or sale outlers} \right) \right. \\ \left. \left(\begin{array}{c} \text{clearance for one or sale outlers} \\ \text{clearance for one or sal$ respectively of Said bar, Said the face plate of a / Laving a slot entering said suide pas-Sage from a store entering sind guide pasone of said body to afford
one of onid onthone of anid body cy must be observed and The state of the observed and the state of the other cutter, said cutter and for end and being arranged. / clearance for one of said vouy to amora

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one of said cutters, said body ter 5a has been turned to pass through said gage body from end adiusted bositions said cutter bar being ar. inwardly, see dotted adjusted positions said cutter bar being are its cutters herond aded opening 7 (inir3. The cutter 5a is
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said body having a guide passage The end of said body.

The orange of its cutters beyond A thereby, said body having a guide passage having supplemental clearance passages for Projecting diversity troughter our later of said 125 A bar and projecting laterally therefrom in analy in in i_{ne} T_{o} i_{orm} Johnster directions, one of said supplemental and supplemental and supplemental sup $ise\ for\ the\ lock$ / Inental clearance passages constituting a slot Intersecting one passages consumum and to and the body and extending from end to end thereof, one of said 130

cutters being of sufficient length to project through said slot and to stand slightly above the plane of said edge, and a laterally projecting bearing flange at one end of said body adjacent to said slotted edge.

4. In a gage, a body having parallel sides and edges respectively and parallel ends square with respect to said sides, an integral side offset at one end of the body and squared along its inner edge relatively to the axis of said body, a flanged offset from one end of said body and adjacent to one edge of said body and squared on its outer edge adjacent to the end and relatively to the axis of said body, and a coöperating cutter device adjustably carried by said body the cutter part of said cutter device being arranged to be projected beyond the end of said body.

5. In a gage, a body having two parallel end bearings, two parallel side bearings, two parallel edge bearings and a laterally projecting integral inside squaring flange at one side of said body at one end thereof and a laterally projecting outside squaring flange at one end of said body, and a cutter device adjustably carried by said gage body and movable longitudinally relatively thereto.

6. In a gage, a body having two parallel end bearings, two parallel side bearings, two parallel edge bearings and a laterally projecting inside squaring flange at one side of said body, and a laterally projecting outside squaring flange at one edge of said

body, said body also having a guide pas- 35 sage for a cutter bar and a cutter bar adjustable in said guide passage, two oppositely laterally projecting cutters at the ends of said bar respectively, said cutter bar and cutters being reversible in said gage body. 40

7. In a gage, a body having two parallel end bearings, two parallel side bearings, two parallel edge bearings and a laterally projecting inside squaring flange at one side of said body and a laterally projecting inte-45 gral outside squaring flange at one edge of said body at the end thereof, and two parallel cutter devices adjustably carried by said gage body and movable longitudinally relatively thereto.

8. In a butt gage, a removable and reversible cuter bar, a cutter at each end thereof, said cutters projecting laterally from said bar in opposite directions, one of said cutters being longer than the other, and a body 55 having a guide passage for said cutter bar, said body having a slot entering said guide passage from one edge and having a channel at the opposite side of said passage, said slot and channel being sufficiently large to 60 afford clearance for said laterally projecting cutters when said bar is moved end wise in either direction.

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Witnesses:
W. J. Woram,
L. Webb.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."