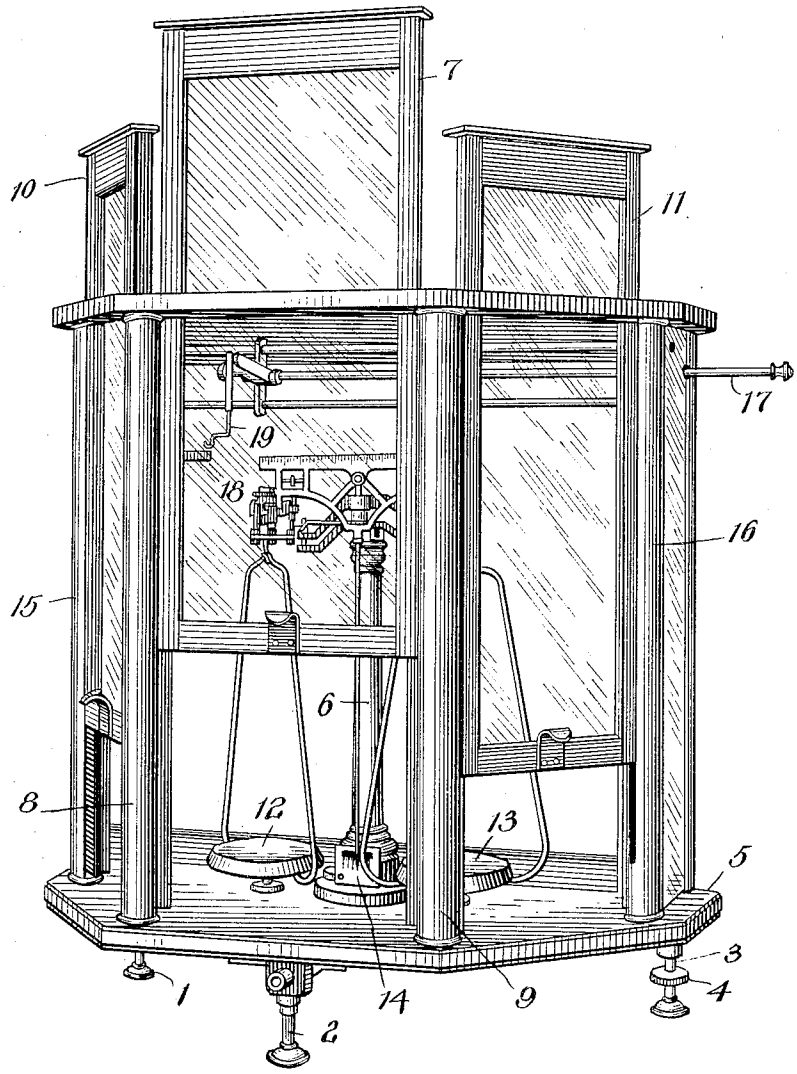
H. HOLZ.

SCALE CABINET.

APPLICATION FILED JUNE 26, 1914.

1,151,788. Patented Aug. 31, 1915.



WITNESSES

J. Herbert Bradley.

Jo. Baily Brown

INVENTOR:

Hermann Holz,

by F. W. H. Clay,

his atty.

COLUMBIA PLANOGRAPH CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

HERMANN HOLZ, OF PITTSBURGH, PENNSYLVANIA, ASSIGNOR TO SCIENTIFIC MATERIALS COMPANY, OF PITTSBURGH, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

SCALE-CABINET.

1,151,788. Specification of Letters Patent. Patented Aug. 31, 1915.

Application filed June 26, 1914. Serial No. 847,421.

To all whom it may concern:

Be it known that I, HERMANN HOLZ, a subject of the Emperor of Germany, residing at Pittsburgh, in the State of Pennsylvania, United States of America, have invented certain new and useful Improvements in Scale-Cabinets, of which the following is a specification.

My invention relates to the manipulation of delicate scientific instruments, such as scales or balances, its special object being to provide a transparent cabinet or case having doors so placed that more ready access may be had to the instrument by the operator with both hands, while protection is afforded against the derangement of the instrument by his breath.

The drawing shows a perspective view of my scale case with a balance therein, and the doors in partially open position.

In scientific laboratories the balances used are of such delicacy that they must be protected from dust, accidental jarring, currents of air, and the operator's breath, which would otherwise interfere with their delicate adjustment. While it is customary to place these instruments in cases having a transparent door; the articles to be weighed and the weights are generally placed in the scale pans through a front glass door and then the door is closed to shut off currents of air. The difficulty with such a cabinet arises from the necessity of inserting the hands through the door to change the amount of material being measured or the weights, or to adjust some part of the instrument; the operator is necessarily directly in front of the instrument and not only is his breath blown upon it, but his hands are inserted in awkward position, obscuring the graduated scale, creating currents, and often knocking the case.

My cabinet rests on suitable legs 1, 2, 3, having any suitable leveling means 4; and its bottom 5 carries the column 6 of the balance. The side and back walls may be of any desirable material, preferably glass. In front the case is closed by the main sliding door 7 which moves vertically in slots provided therefor in the posts 8 and 9. Arranged on each side of this main door, and sliding vertically in grooves provided therefor are two auxiliary diagonal doors 10 and 11. It will be observed that the doors 10 and 11 are set diagonally so that an operator who is reading the scale of the balance through the main door 7 can readily reach the balance through the main door 7 can readily reach the balance pans 12, 13, with both left and right hands and arms in natural position, through the doors 10 and 11, respectively. By use of this construction, an operator may observe the reading of the scale 14 from a very short distance without any interference by his proximity, and without any danger of the balance being disturbed by his breath, while at the same time, and, without changing his position, he may open either of the doors 10 and 11, and change the weights or change the quantity of material being weighed without reaching, or knocking the case, or any danger of his breath affecting the instrument or the material being weighed. No instrument cases having these functions have heretofore been designed. The advantages of my construction will be apparent to those familiar with this art.

Having thus described my invention and its use, I claim:

1. A cabinet for scale balances comprising a normally closed casing, means for operating the scale from the outside, said casing having a transparent side in front of the scale and at each side of said front a diagonally placed door whereby the operator may reach the scale pans with hands in natural position without moving his body, substantially as described.

2. A case for containing a scale balance, comprising a transparent vertically sliding main front door, and two sliding side doors arranged diagonally in position to give access for the operator's hands at each end of the case, in natural position and without moving his body, while the front remains closed, substantially as described.

3. A cabinet adapted for mounting a pair of scale balances having pans on diagonally arranged hanger rods, comprising a case having a vertically sliding transparent front door and on each side thereof a diagonally

placed vertically sliding door, substantially parallel with the position for the hanger rods of the scale pans, whereby to conveniently reach said scale pans in the casing directly and without the observer moving his body.

In testimony whereof I have hereunto signed my name in the presence of the two subscribed witnesses.

HERMANN HOLZ.

Witnesses:
A. W. MERTZ,
HARRY POOL.

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