C. A. HINSDILL.

LIGHTING MECHANISM FOR MACHINE TABLES.

APPLICATION FILED JAN. 15, 1917.

1,229,458.

Patented June 12, 1917.

2 SHEETS—SHEET 1.

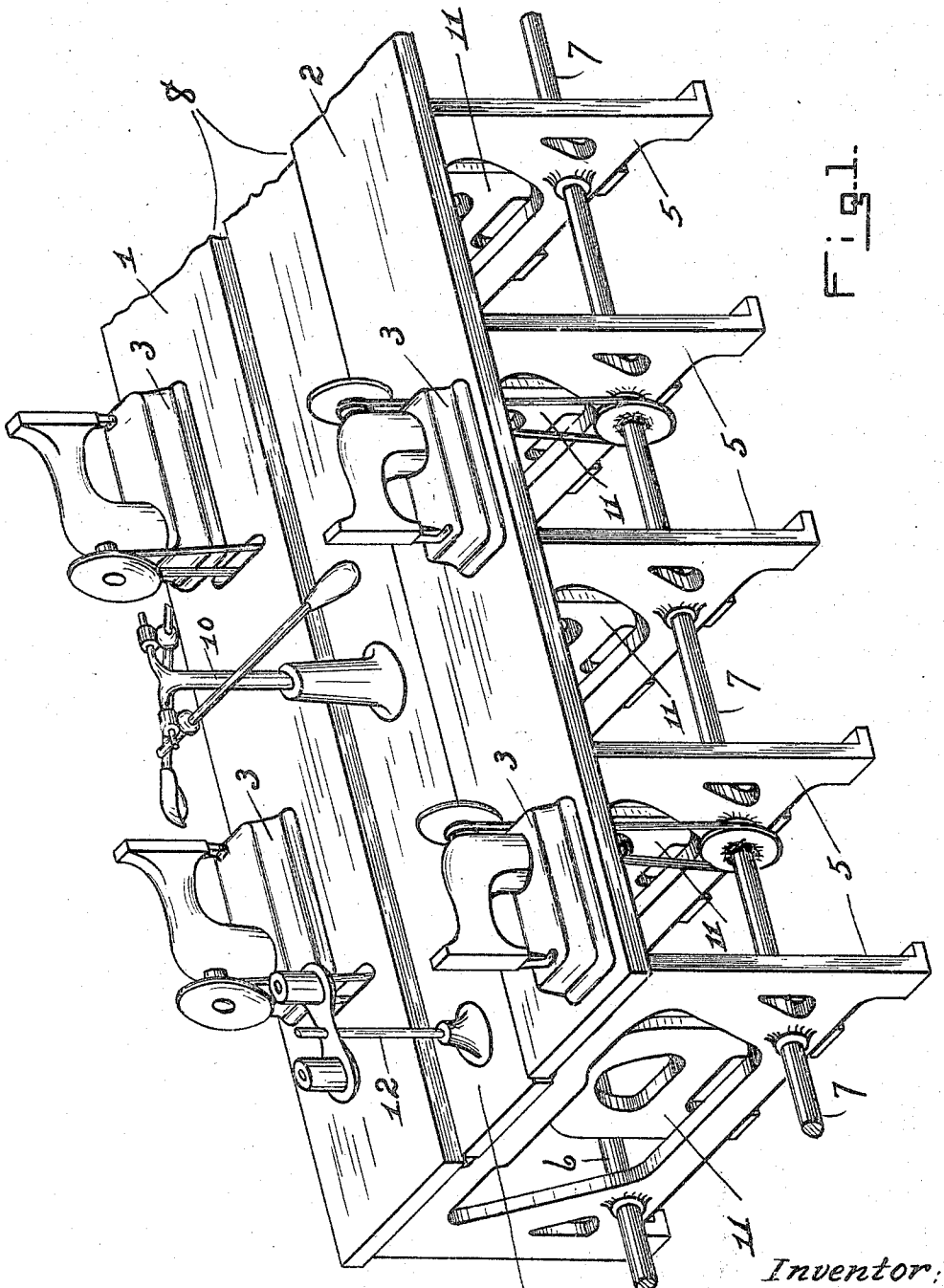


Fig. 1.

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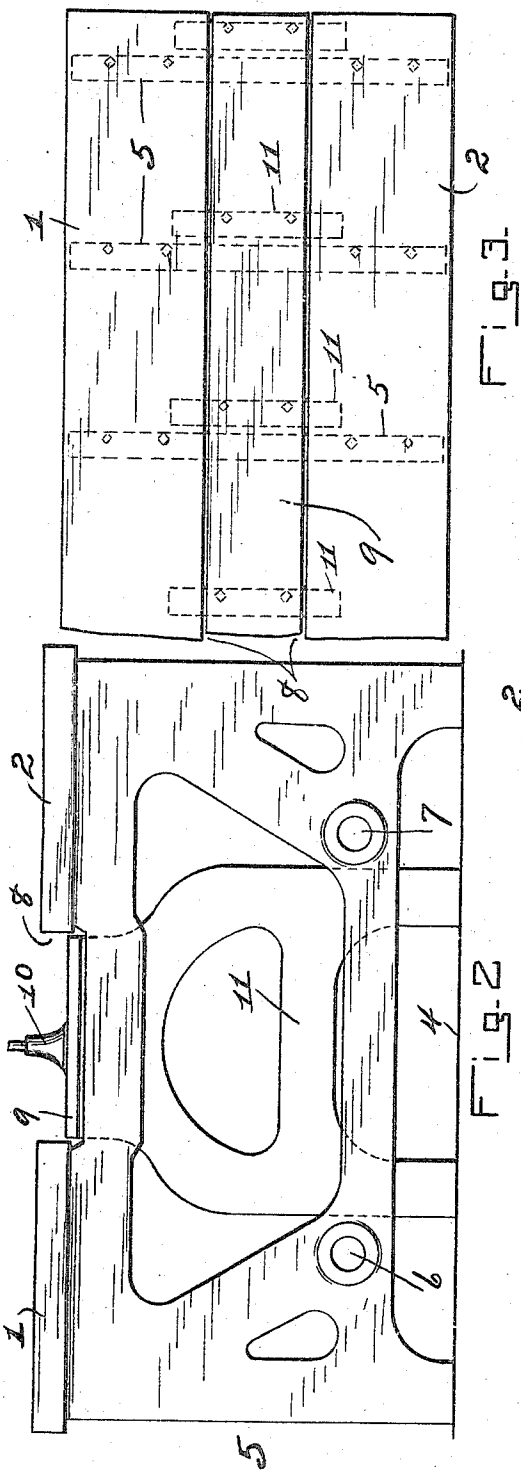


Fig. 3.

Fig. 2.

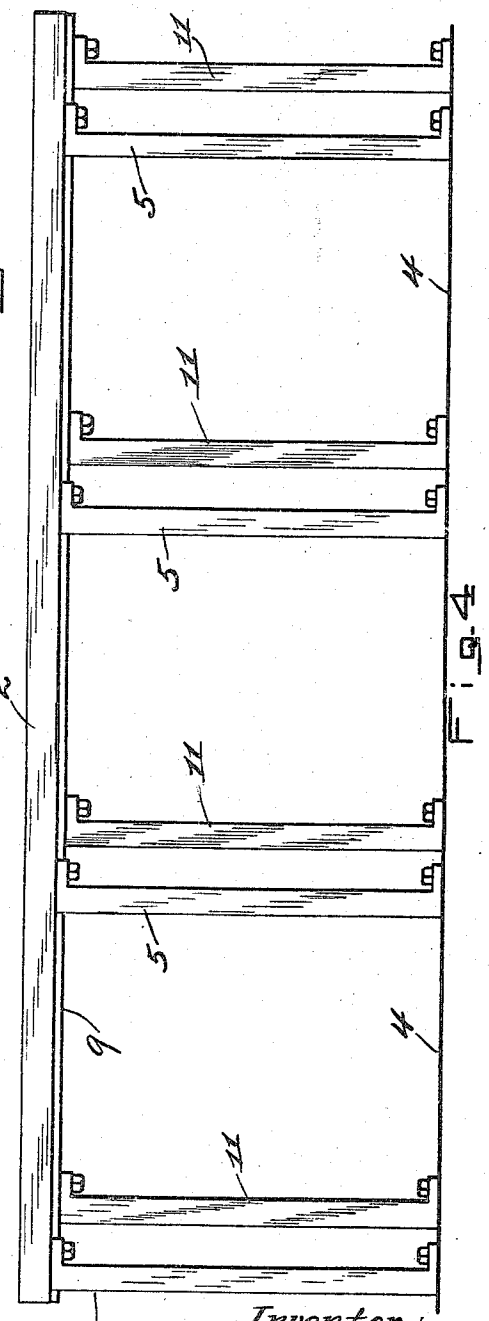


Fig. 4.

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UNITED STATES PATENT OFFICE.

CHARLES A. HINSDILL, OF TROY, NEW YORK.

LIGHTING MECHANISM FOR MACHINE-TABLES.

1,229,458. Specification of Letters Patent. Patented June 12, 1917.

Application filed January 15, 1917. Serial No. 142,513.

To all whom it may concern:

Be it known that I, CHARLES A. HINSDILL, a citizen of the United States, residing at Troy, county of Rensselaer, and State of New York, have invented certain new and useful Improvements in Lighting Mechanism for Machine-Tables, of which the following is a specification.

Reference may be had to the accompanying drawings, and the reference characters marked thereon, which form a part of this specification. Similar characters refer to similar parts in the several figures therein.

This invention relates to means for providing artificial light for machine-tables such as are used in various factories and mills for supporting sewing-machines, knitting-machines and the like.

In the use of such tables, much difficulty has been found in providing the necessary artificial light for the use of the machine-operators, due to the fact that modern lighting devices, such as incandescent gas-mantles and incandescent electric lamps, are able to withstand for but a short time only, excessive vibration such as they are subjected to if mounted upon the same tables upon which the machines are mounted.

In the modern factory, it is found impracticable and very expensive to provide overhead supports for the lighting devices; and to support the lighting devices directly from the floor, is also very expensive and impracticable and renders it difficult to change from time to time the position and arrangement of the lighting devices.

The principal object of my invention is to provide means for supporting the lighting devices independently of the machine-tables, and independently of the means whereby the machine-tables are supported from the floor, while providing for the same facility in arranging, locating and changing the location of, the lighting devices as was afforded by the machine-tables themselves.

In carrying out my invention, I provide adjacent to a machine-table, or tables, which may be supported in any suitable manner, a table for supporting the lighting devices which latter table is supported by suitable uprights directly from the floor independently of the machine-table, and upon which the lighting devices can be arranged, and rearranged from time to time, as may be desired.

Other objects will appear in connection with the following description.

Figure 1 of the drawings is a view in perspective showing my improved lighting mechanism in its application to two machine-tables supported from the floor by uprights carrying two lines of shafting.

Fig. 2 is a view in end elevation of the same with the machines removed from the machine-tables.

Fig. 3 is a top plan view of the same, as shown in Fig. 2.

Fig. 4 is a view in side elevation of the same.

Referring to the drawings wherein the invention is shown in preferred form, 1 and 2 are machine-tables, adapted for supporting power-driven machines such as sewing-machines, 3.

These machine-tables, 1 and 2, are supported from the floor, 4, by a series of uprights, 5, each extending transversely beneath both of said tables.

A pair of shafts, 6 and 7, are rotatively mounted in bearings in the uprights, 5, said shafts extending beneath, and longitudinally of, the respective machine-tables, 1 and 2, and being operatively connected with the respective machines, 3.

The two machine-tables are thus supported by the uprights, 5, side by side with an intervening space, 8.

A third table, 9, adapted for supporting lighting devices, such as electric light fixtures, 10, is supported in the space, 8, between the two machine-tables by means of another set of uprights, 11, erected from the floor, 4, between the shafts, 6 and 7, said uprights, 11, being separate from, and independent of the uprights, 5, as well as of the machine-tables, 1 and 2, and serving to support the third table, 9, independently of the two machine-tables, 1 and 2, as shown.

The table, 9, is thus conveniently located adjacent to the two machine-tables and serves as well as though it were an integral part of the machine-tables for all ordinary purposes, such as supporting thread-stands, 12, or the operator's work, etc., while at the same time said table, 9, is free from the vibrative influences of the machine-tables, 1 and 2, and affords a stable support for the lighting devices; and the lighting devices can be arranged, and rearranged from time to time, upon the table, 9, with the same

facility as though the table, 9, were an integral part of the machine-tables themselves.

By erecting the uprights, 11, from the floor between the shafts, 6 and 7, no additional floor-space is required for these uprights, and they are not in position to interfere with the limbs of the operators.

What I claim as new and desire to secure by Letters Patent is—

The combination with a floor; of a pair of machine-tables arranged side by side with an intervening space; a plurality of supports erected from the floor each extending transversely of and supporting both of said machine-tables; a table supporting lighting fixtures located between said machine-tables independently thereof; and supports for said lighting-fixture table erected from the floor independently of said machine-tables and their supports.

In testimony whereof, I have hereunto set my hand this 9th day of January, 1917.

CHARLES A. HINSDILL.

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