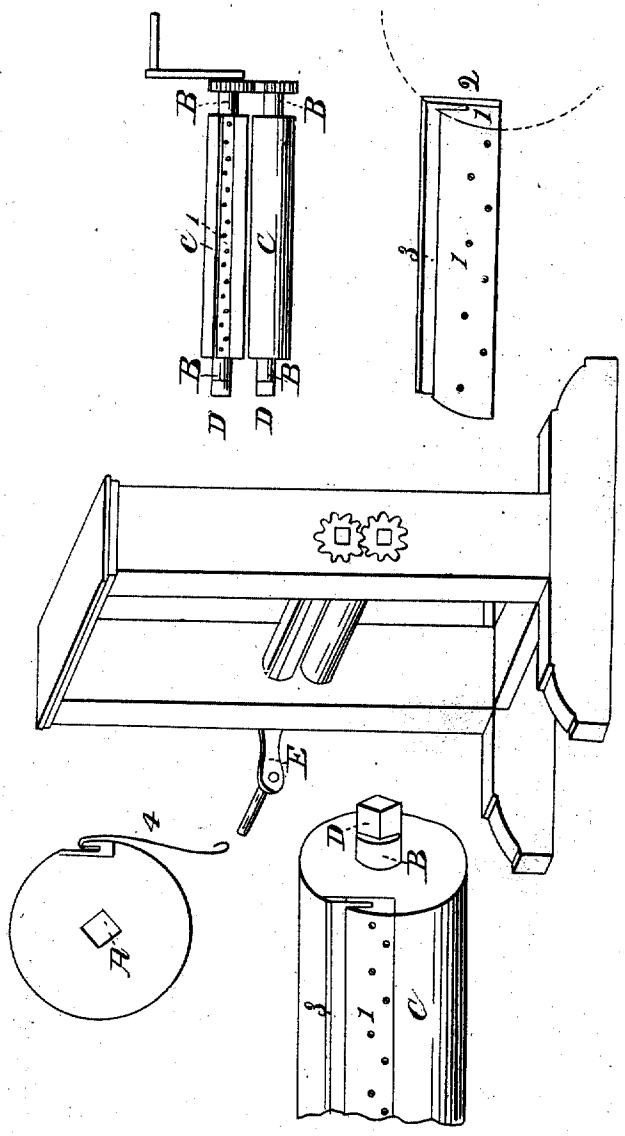
7451X

# C. F. Fisher,

## Edging Sheet-Metal.

Patented Feb. 28, 1833.




N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

7451X Charles F. Fisher.
Letters Patent.

The Schedule referred to in these Letters Patent, and making part of the same containing a description in the words of the said Charles F. Fisher himself, of his Improvement in the Machine for edging or grooving Sea Plate, Sheet Iron, Sheating Copper &c.

The utility of this Edging Iron or Grooving Roller is, that a man and boy can in one hour turn the edge upon as much sheet iron, tin plate, sheating copper &c, as six men can by the common mode in the same time; and with more ease, and in a more complete and workmanlike manner. This edging iron, or Grooving Roller, is placed under a plain roller of the same size, in any kind of frame, leaving a space between the upper and lower roller of ¾ inch. It would be proper to have a cog wheel to each roller, when the one is turned, that the other may move with the same velocity. The rollers I have in use have each a wooden lever, three feet long. When I edge or groove, I have a small boy to turn the plain roller.

Explanation of the size of the rollers: they may be made of any size to suit the work that is intended to be edged or grooved; the ones I have in use are as described.

A, is the four square end 2 inches thick, to which the lever 3' three feet long is fastned to turn the roller.

B, is the gudgeon 2 inches thick on which the roller is turned.

C, is the Roller 3¾ inches thick, twenty eight inches long — or any thickness that will not spring.

D, is the end gudgeon of the roller 2 inches long & 2 inches thick.

No 1, a plate of iron as long as the roller, 2 inches broad and ½ inch thick the outside rounded the same as the roller, the inside flat, with an offset ¼ inch wide ¼ inch deep to form a groove.

No 2, is a flat plate of iron mortised to the plate No 1 to form the groove equal in the thickness that is to be edged. If the roller C is made of iron, then the plate No 2, may be dispensed with; — this plate

No 2. can be dispensed with is only made use of when the roller is made of wood.

No 3. Represents the groove, ¾ inch wide ¾ inch deep, in which sheet iron, tin plate copper &c, is put, that is to be grooved.

No 4. is the screw that fastens the plates No 1 & No 2, to the Roller.

No 5. is the sheet iron, tin, copper, &c, that the edge is to be turned on & represents the manner it is put into the Rollers When the roller is turned, & the edge turned on the iron, tin, copper, &c the rollers are turned back & the iron, tin, copper, &c, taken out and the opposite edge is put in and rolled as before.

No 6. the iron rivets by which the plate No 1 & No 2 are rivetted together before they are screwed to the roller.

No 7. is a piece of sheet iron, tin, copper &c, after it is edged.

Charles F. Fisher claims the exclusive right of an Edging Iron or Grooving Roller — in which the tin plate, sheet iron, sheathing copper &c, is put and the edge turned in one or two operations from one extremity of the tin, iron, copper &c, to the other — He also claims the right of the use of the Rollers for Edging.

Witnesses.
Jacob A. Fisher.
Zachariah Spangler.

Charles F. Fisher.

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W. O. Hood
Dec. 100