

A. FAULKNER.

Follow-Board for Metal Molding.

No. 211,624.

Patented Jan. 28, 1879.

Fig. 1

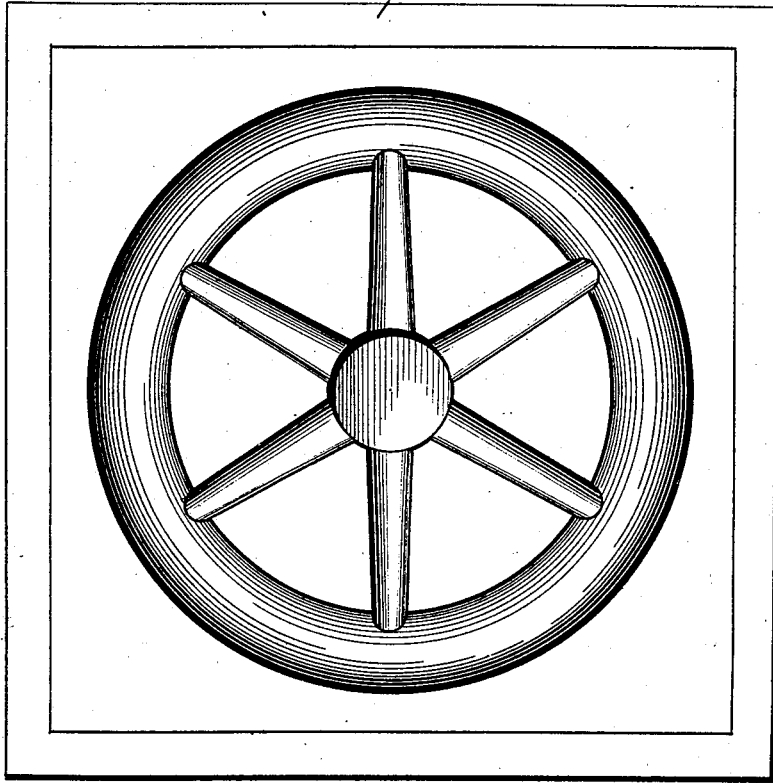
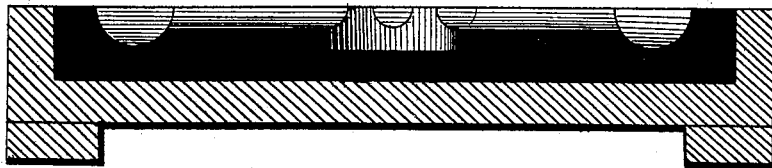


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

ALEXANDER FAULKNER, OF CLEVELAND, OHIO, ASSIGNOR TO HIMSELF
AND THOMAS GRANT, OF SAME PLACE.

IMPROVEMENT IN FOLLOW-BOARDS FOR METAL-MOLDING.

Specification forming part of Letters Patent No. **211,624**, dated January 28, 1879; application filed
August 30, 1878.

To all whom it may concern:

Be it known that I, ALEXANDER FAULKNER, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Match or Follow Boards, and in compound therefor; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to match or follow boards used in the art of metal-molding, such as the manufacture of stoves and the like.

It consists in the combination, with a suitable base, of a compound secured to the latter, and having the desired pattern imprinted thereon, said compound being composed of sand, oil, and a binder.

Figure 1 of the drawings represents, in plan view, a device made according to the invention. Fig. 2 is a vertical transverse section of the same.

To make my said compound, take a sufficient quantity of burnt molding-sand or parting-sand. The amount of sand is regulated always by the size of flask and fashion of the article to be cast. To this sand is added a sufficient quantity of oil—preferably boiled linseed-oil—to reduce the mass to the consistency of sand usually used in molding. To the above compound add pulverized gum-arabic, or any equivalent gum or binder, in the proportion, say, of one per centum, by measure, of the mass.

I do not desire to be limited to any precise

proportions of the above ingredients, inasmuch as, under different circumstances, variations from the proportions herein specified will be found useful, which may be made without a departure from the spirit of my invention.

The above compound is fixed upon a base of board or other suitable material by the use of glue, or in any effective manner.

By manipulation, or by pressing a pattern down into the compound, an accurate match or follow board is readily produced, which, in practice, I have found to be highly effective.

According to this invention, I produce the follow-boards quickly, as well as with little labor and expense.

A follow-board of the above description can be repeatedly and constantly used for an indefinite period, and will always be found effective and operative. It is not liable to shrink or expand, and it is well adapted to withstand the rough and careless usage to which articles of this class are frequently subjected.

What I claim is—

A follow-board consisting in the combination, with a suitable base, of a compound secured thereto, and having the desired pattern imprinted thereon, said compound being composed of sand, oil, and a binder, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALEXR. FAULKNER.

Witnesses:

JNO. CROWELL, Jr.,
W. E. DONNELLY.