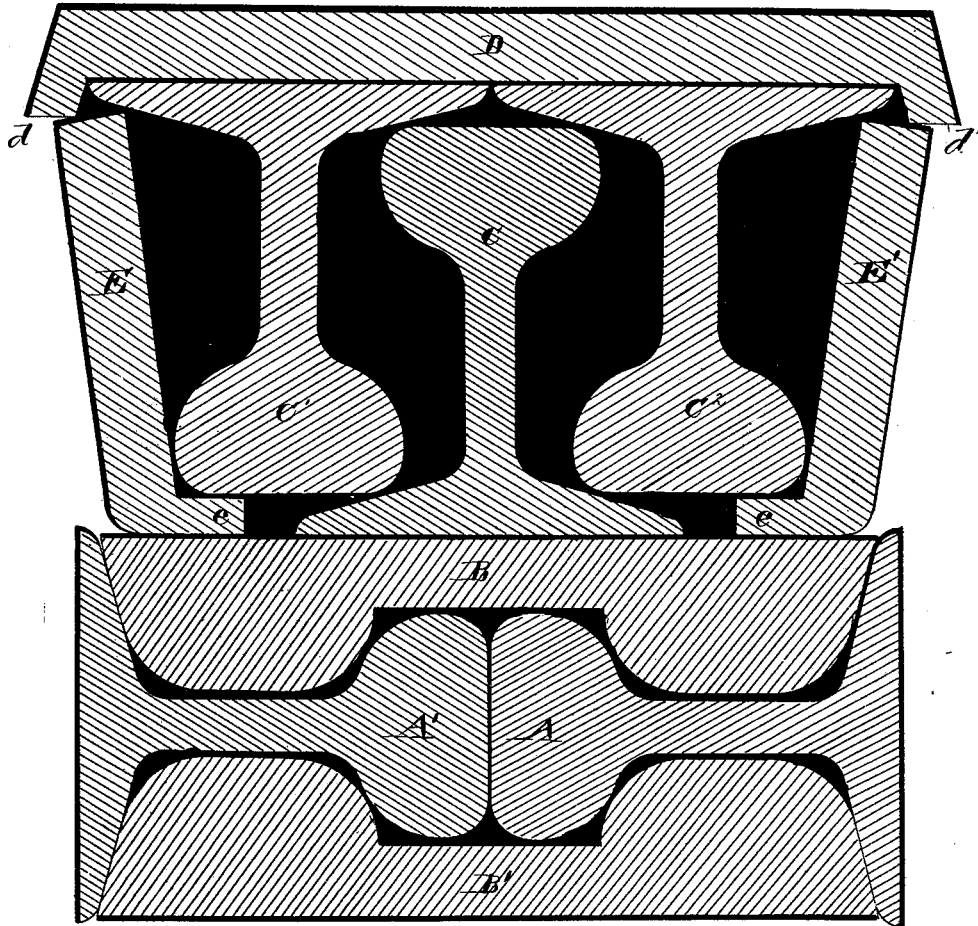


S. McCLOUD.
Fagot for Railroad Rails.

No. 206,810.

Patented Aug. 6, 1878.



Witnesses
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UNITED STATES PATENT OFFICE.

SIDNEY McCLOUD, OF COLUMBUS, OHIO.

IMPROVEMENT IN FAGOTS FOR RAILROAD-RAILS.

Specification forming part of Letters Patent No. **206,810**, dated August 6, 1878; application filed June 15, 1878.

To all whom it may concern:

Be it known that I, SIDNEY McCLOUD, of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Piles or Fagots for Rolling; 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 improvements in piles or fagots for rolling; and consists in the combination, with one or more pieces of steel rails provided with a covering of iron, or iron and steel mixed together, and adapted to form a steel head in the rail rolled therefrom, of pieces of iron rail, in connection with iron plates, respectively placed above and below said latter rails, and adapted to form an iron neck and flange in the rail rolled from the pile.

The drawings represent, in sectional view, a form of pile embodying my invention.

That part of the pile which is to constitute the neck and flange of the rolled rail is composed of the two rail-pieces, A and A', placed with their heads in opposition to each other, and having the iron plates B and B' fitting respectively against the upper and lower sides of said rail-pieces.

The three pieces C, C¹ and C² of steel rail are placed side by side together, with the heads of the two outer and reversed pieces, C¹ C² against the flange of the upright central piece, C. Fitting about these three steel pieces is a covering consisting of an upper plate, D, made of iron or a mixture of iron and steel, and two side plates, E E', each of the latter being a mixture of iron and steel. The upper plate is formed with angular extremities *d d'*,

and each of the side plates is formed with a right-angular extension, *e*, at the lower extremity thereof.

In this form of pile the pieces of steel and iron are so placed as to form a steel head in the rail rolled therefrom, while the neck and flange of the same is of iron, thus providing a rail having the advantages of such a construction; or the pieces of rails that go to make up the form of the pile may all be of steel, making a steel rail from the welding of the pieces into a mass and drawing out through the rolls, the covering protecting the steel during the process.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A fagot consisting of two iron rail-sections, fitted upon their upper and lower sides by iron plates, in combination with a series of steel-rail sections, part of which are placed in upright and part in inverted position upon said upper plate, together with a plate-covering composed of iron or mixed iron and steel, which is placed about and protects the sides and top of said steel-rail sections, substantially as shown.

2. In a fagot, the combination, with a series of steel-rail sections, C C¹ C², of the top plate, D, formed with end projections *d d'*, and the two side plates, E E', formed respectively with the end projection *e*, substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of June, 1878.

SIDNEY McCLOUD.

Witnesses:

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