

(No Model.)

G. S. MONTGOMERY.

ARTIFICIAL FUEL.

No. 391,179.

Patented Oct. 16, 1888.

Fig. 1

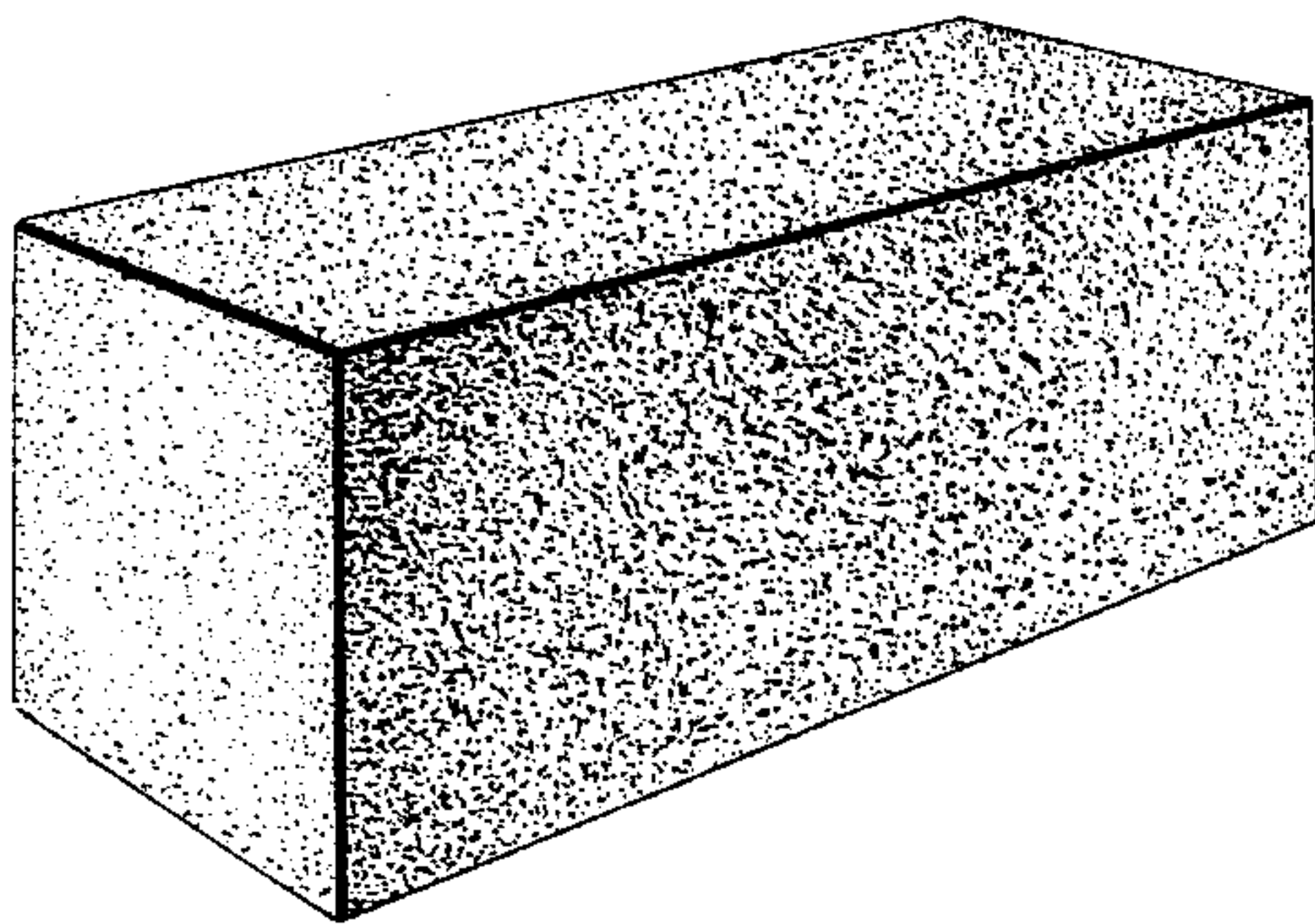
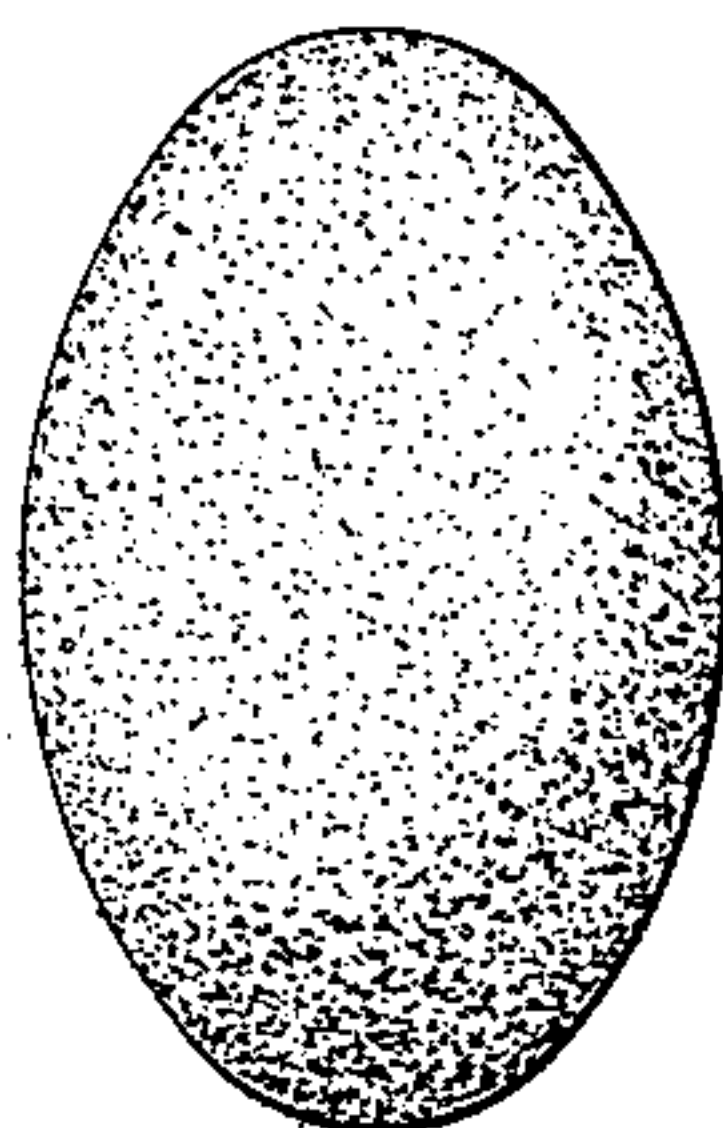


Fig. 2



Witnesses
G. F. Downing.
V. E. Hodges.

Inventor
George S. Montgomery
By his Attorney
H. A. Seymour

UNITED STATES PATENT OFFICE.

GEORGE S. MONTGOMERY, OF ATLANTIC, IOWA.

ARTIFICIAL FUEL.

SPECIFICATION forming part of Letters Patent No. 391,179, dated October 16, 1888.

Application filed June 19, 1888. Serial No. 277,570. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. MONTGOMERY, of Atlantic, in the county of Cass and State of Iowa, have invented certain new and
5 useful Improvements in Artificial Fuel; 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 appertains to make and use the same.

10 My invention relates to an improvement in artificial fuel, and has for its object to provide means whereby coal, waste coal, coal-dust, or screenings may be utilized and improved as fuel.

15 A further object is to provide a compound to be used as fuel, which shall be simple and cheap to manufacture and use.

20 With these objects in view, my invention consists in certain novel features of construction and peculiar combinations and arrangements of parts, as will be hereinafter set forth, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a view showing a block of my improved fuel
25 in rectangular form. Fig. 2 is a view of the same in oval shape.

I take of coal, waste coal, coal-dust, or screenings sixteen parts (more or less) and one or

more parts of ground oil-cake. These are thoroughly mixed, the oil-cake serving to 30 cement the particles of coal together. When first mixed, a plastic compound is produced which will preferably be molded into rectangular or other desired shape by hand or by suitable machinery.

35 It is evident that the ingredients above mentioned may be varied in proportions without departing from the spirit of my invention or limiting its scope. Hence I do not wish to limit myself to the exact quantities of ingredients 40 above stated; but,

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

45 An artificial fuel consisting of small particles of coal and ground oil-cake, combined in substantially the proportions specified and pressed into shape, substantially as set forth.

In testimony whereof I have signed this specification in the presence of two subscrib- 50 ing witnesses.

GEORGE S. MONTGOMERY.

Witnesses:

S. M. CHILDS,
A. L. BOSTEDS.