

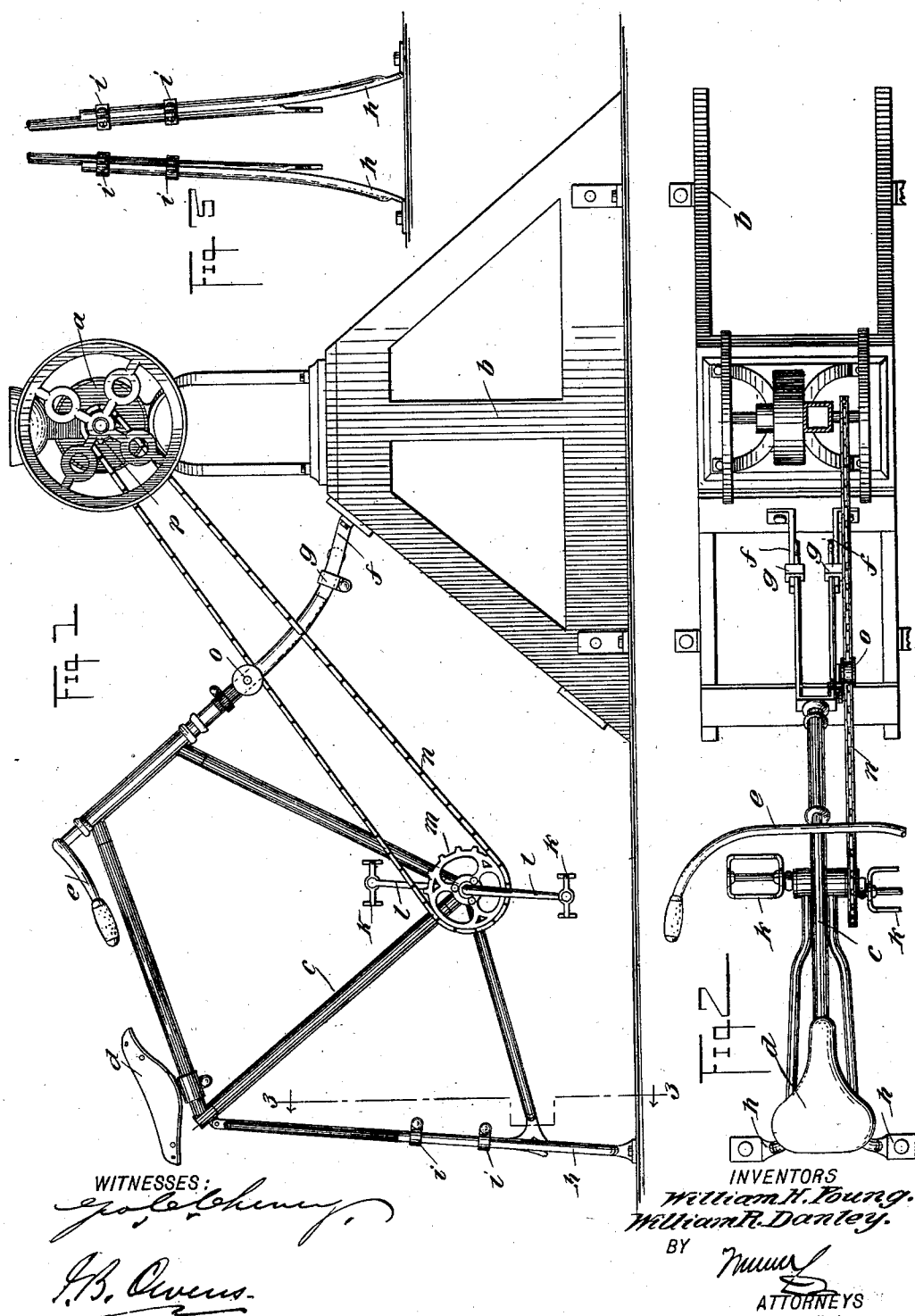
No. 671,785.

Patented Apr. 9, 1901.

W. H. YOUNG & W. R. DANLEY.
DRIVING GEAR.

(Application filed Sept. 11, 1900.)

(No Model.)



UNITED STATES PATENT OFFICE.

WILLIAM HENRY YOUNG AND WILLIAM RALPH DANLEY, OF ROCKYFORD,
COLORADO.

DRIVING-GEAR.

SPECIFICATION forming part of Letters Patent No. 671,785, dated April 9, 1901.

Application filed September 11, 1900. Serial No. 29,685. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM HENRY YOUNG and WILLIAM RALPH DANLEY, citizens of the United States, and residents of Rockyford, in the county of Otero and State of Colorado, have invented a new and Improved Driving-Gear, of which the following is a full, clear, and exact description.

The purpose of this invention is to provide a convenient means of effectively driving small machinery by foot-power, to which end the invention comprises a framing on which the operator may sit and by actuating the pedals on the framing drive the machine in connection with which the invention is used.

This specification is the disclosure of one form of our invention, while the claim defines the actual scope thereof.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a side view of the invention. Fig. 2 is a plan view with a part of the machine to be driven shown in section, and Fig. 3 is a sectional elevation taken on the line 3 3 of Fig. 1.

We have hereshown the invention used for driving a coffee-mill, which is indicated by the letter *a*. This machine is mounted on a suitable stand *b*. A framing *c*, similar to a bicycle-frame and provided with a saddle *d* and handle-bars *e*, is arranged adjacent to the stand *b* and has its front part, which may be the front fork of the usual bicycle-frame, provided with extension-rods *f*, fastened by clips *g*. These extension-rods have their front ends turned laterally to form feet, which are

fastened to the stand *b*. The rear fork of the frame has extension-rods *h*, fastened thereto by clips *i*. These extension-rods are bowed outward to form a firm base for the frame *c* and are fastened at their lower ends to the floor. The framing *c* is fitted with pedals *k*, which are carried on cranks *l*, all of which parts are similar to those of the usual bicycle, and the crank-shaft carries a sprocket-wheel *m*, over which a chain *n* passes. This chain extends past a guide-roller *o* on the front of the frame *c* and around a sprocket-wheel *p*, fastened to the drive-shaft of the mill *a*.

A person seated on the saddle *d* may very easily and effectively propel the mill or other machine *a* by operating the pedals *k*.

The frame *c* may be, if desired, formed of an old bicycle-frame, which is admirably adapted to the purpose in hand.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

A driving-gear, comprising a stand adapted to carry the machine to be driven, a frame having forked members at its front and rear ends, extension-rods fastened to the forked members, the front extension-rods being secured to the stand, a saddle on the frame, pedals also on the frame, and gearing actuated from the pedals.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

WILLIAM HENRY YOUNG.

WILLIAM RALPH DANLEY.

Witnesses:

CHARLES HOWARD DARING,
CHARLES ALFRED LANMAN.