

Title of Invention
Rolley System for Propping System

DESCRIPTION

a) BACKGROUND OF THE INVENTION

Conventional propping system usually uses manual effort (such as lifting or turning) to adjust the height of the propping system that can be quite long or heavy. This makes the adjusting of the height of propping system not effective.

A propping system can be made up of an inner prop and outer prop. The invention assists in adjusting the height of the Propping system.

b) BRIEF DESCRIPTION OF THE INVENTION / PREFERRED EMBODIMENT

The Rolley System is constructed and comprises of a Rolley System and the propping system. It resides on the outer prop of the propping system, and when used in conjunction with a steel wires/ cables which is tethered to the bottom of the inner prop and to the Rolley system, creates a controlling mechanism to adjust the height of the propping system/height of the inner prop to a desire height/position. Hence it does not rely on conventional method of adjusting the height of the propping system (as previously described).

It can be easily handled and adjustable to position that the prop needs to be fitted. Also, a firm tension is applied to the steel cable so that the prop remains stable. Steel cables/wires are preferably used.

This invention relates to the field of adjusting the height of propping system. More specifically, how the Rolley system works with the steel cables (which is connected to the inner prop) and how they work in tandem to adjust the height of the inner prop.

14 Spring / Dampener

c) DETAILED DESCRIPTION OF THE INVENTION

With reference to the drawings, particularly FIGS 2, The Rolley system **2** is mounted some distance from the top of the outer prop. It comprises a cover **5** fabricated that is attached to the rolley system's housing **4** to protect the internal components of the rolley system **2**.

FIGS 3, The Steel wires / cable (wire rope) **10** inside the rolley system is tied through the slot located at rolling pipe/pin **12** and fitted through a slot situated near the Rolling pipe/ pin **11** where the steel wires/cable **10** rested on for support. The other end of the steel wires/ cable is tethered to the bottom of the inner prop, and this serve as a controlling mechanism to facilitate the movement of the inner prop to its desire height/position by rotating the Rolling pipe/ pin **11 & 12** that are "in-sync" when turning each other via the pawl **7** using the handle. The handle is held in position by the "pawl" **7** when the gears supported by the spring/dampener move along with each turn of the handle. Subsequently, a locking pin/ bolt & nut must be used to "lock" the inner and outer prop.

The Rolley system is comprised of a housing **4** with an attached cover **5**, Wheel with teeth (gear) **6 & 13**, steel wires/cable **10**, a spring / dampener **14**, Handle (rolling handle) **8**, pawl **7**, Handle (rolling handle) **9,11 & 12**.

The invention as described provides a convenient adjustable rolley system which permanently resides on the propping system. Said invention has been described with the preferred embodiment, however, modifications may be made to the invention (fabrication techniques, materials, etc.) which will not depart from the intent and scope of the invention as defined in the following claims.

CLAIMS

1. A Rolley system, comprising:

A housing defined by two side walls, a connecting back mounted to the connecting outer and inner props with an attached cover.

A Steel wires/cable serve as a controlling mechanism located inside the housing; a Steel wires/cable tied through the slot at the rolling pipe/pin and fits through the other slot situated near the Rolling pipe/ pin where the steel wires/cable rested on for support. The other end of the steel wires/ cable is tethered to the bottom of the inner prop, and this serve as a controlling mechanism to facilitate the movement of the inner prop to its desire position by rotated Rolling pipe/ pin that are "in-sync" when turning each other via the pawl using the handle.

A handle is held in position by the pawl when the gears supported by the spring/dampener move along with each turn of the handle.

A locking pin/ bolt & nut must be used to "lock" the inner and outer prop.

2. A rolley system described in claim 1 in combination with the propping system allows the person to adjust the height positioning of the inner props by turning the handle of the rolley system that is mounted on.
3. A method, comprising the steps of:

Providing a rolley system comprising: A housing defined by two side walls, a connecting back mounted to the connecting outer and inner props with an attached cover. Permit a person to reach to the handle to adjust the height positioning of the inner props by turning the handle of the rolley system.