

# 1913

Model of the

## MILLS-BURROWES

BACK ADJUSTMENT

## WEB-EQUIPMENT

Patentees & Manufacturers:

### MILLS EQUIPMENT CO., Ltd.

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LONDON, ENGLAND.

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*Contractors in Equipments to H.M. War Office.*

DOMINION OF CANADA.

COMMONWEALTH OF AUSTRALIA.

UNION OF SOUTH AFRICA.

DOMINION OF NEW ZEALAND.

INDIA OFFICE.



Full Equipment.—Right side.



Full Equipment.—Left side.



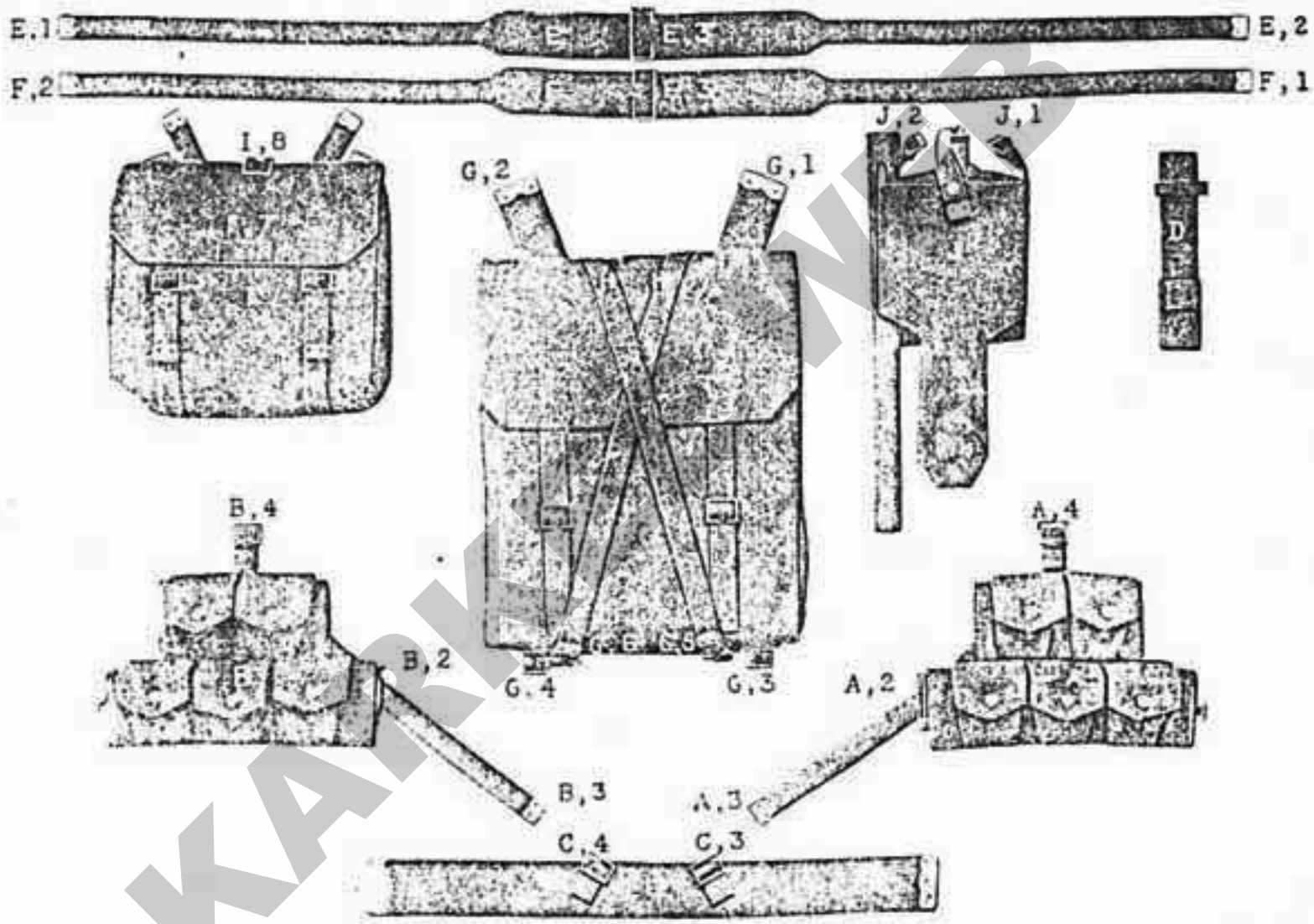
Full Equipment.—Back view.



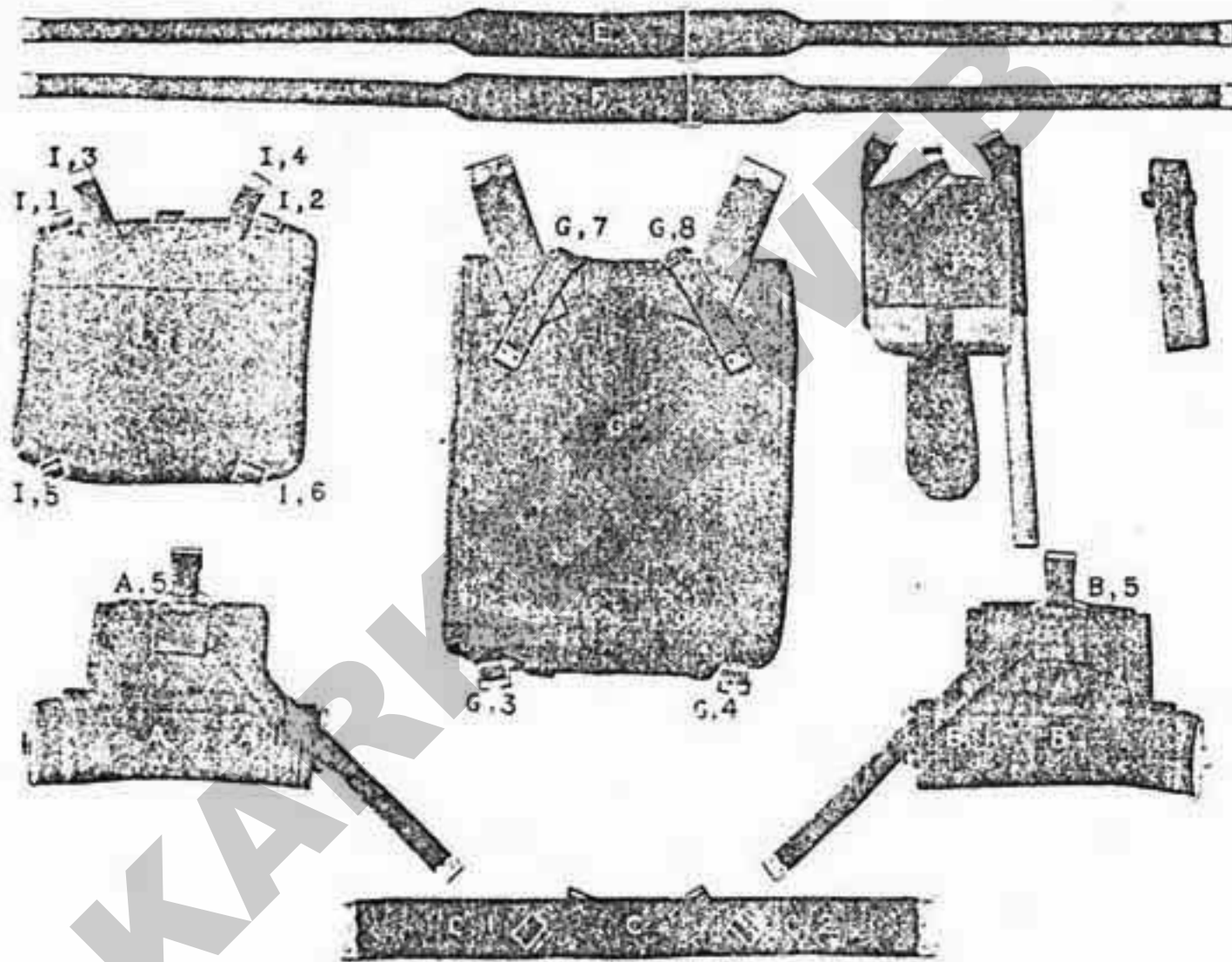
Full Equipment worn with belt open.

## Key Letters and Numbers to Parts—

		loops for adjusting strap.....	A1, B1
		brass end hooks.....	A2, B2
A-B	Right and Left Carrier.....	diagonal strap ends.....	A3, B3
		brace buckles.....	A4, B4
		brass slots.....	A5, B5
C	Back Adjustment Strap.....	right and left diagonal buckle.....	C1, C2
		" " " " buckle for brace.....	C3, C4
D	Bayonet Frog.....		D
		belt brace ends.....	E1, F1
E-F	Braces.....	carrier brace ends.....	E2, F2
		brace buckles for pack.....	E3, F3
		right and left tabs.....	G1, G2
G	Pack.....	" " " diagonal buckles.....	G3, G4
		" " " ends for supporting straps.....	G5, G6
		" " " tab buckle for supporting straps.....	G7, G8
H-H	Supporting Straps, Pack.....		H-H
		right and left brace buckles.....	I 1, I 2
		" " " " tabs.....	I 3, I 4
I	Haversack.....	" " " diagonal buckles.....	I 5, I 6
		web loop for waterbottle securing strap.....	I 7
		buckle for waterbottle " ".....	I 8
J	Waterbottle and Intrenching Tool Carrier.....	right and left brace buckles.....	J1, J2
		strap for securing to haversack.....	J3



Component Parts.—Front.



Component Parts.—Back.

These Equipments are not affected by heat or cold, or a damp or dry climate. They require no attention in "stores," and will be found in as good condition in twenty years as the day they were received.

They are Waterproof, and resist the attacks of moths in storage, and the white ant and other insects that destroy leather in tropical climates.

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### WEIGHTS OF THE COMPONENT PARTS.

	lbs.	ozs.
Carriers, 150 rounds, pair	1	9
Back Adjustment Strap	0	5
Bayonet Frog	0	2
Braces, pair	0	8
Pack and Straps	1	11½
Haversack	1	0
Bottle and Tool Carrier	0	8½
	<hr/> 5	<hr/> 12

A belt is furnished with this equipment for "walking out" or guard duty, when the bayonet frog and single ammunition pocket are worn. The equipment, when once adjusted to the man, can therefore be kept assembled.

The ammunition capacity of this equipment is up to 150 rounds, either for packet ammunition with the Box Pocket carrier, or for charger or clip ammunition with a partitioned pocket.

The brass parts should be allowed to tarnish, as they then become dull, and will not reflect the light.

To clean the equipment of ordinary spots or dirt, sponge with a good soap and water. Should the equipment become very dirty, so that ordinary sponging will not clean it, it should then be treated with MILLS' EQUIPMENT CLEANER, a powder that is mixed with cold water, and, sponged into the web, restores it to its original colour. This cleaner also acts as a preservative and prevents oil and grease from working into the fabric.

Instructions for Assembling.

**KARKKEE WEB**



No. 1. Measure the waist with a piece of line with the hip bones. As the balance and carry of this equipment does not depend on the belt, this waist measure should not be taken tightly. As the equipment allows the belt to be worn loose, the stomach muscles have free play, and permits of deep or abdominal breathing.

As the tunic is not belted in tightly—when the full kit is worn—the kidneys are kept cool.



No. 1.—“Measure the waist.”



No. 2.—“Slip loop of bayonet frog.”

No. 2. Slip loop of bayonet frog D over back adjustment strap C, the bayonet to the front.

No. 3. Lay the right ammunition carrier A and left carrier B on the ground with the toggle fastener ends to the front, then pass the back adjustment strap C through the web loops on the ends of the carriers at points A1 and B1, having these ends of equal length, through each loop, until the three parts of the belt, the carriers A and B and back adjustment strap C, equal the waist measurement.



No. 3.—“Lay the right ammunition carrier.”



No. 4.—“Insert brass end hooks.”

No. 4. Insert brass end hooks on the carriers at A2 and B2 in the woven loops in the back adjustment strap where they come even with the hooks.

No. 5. Pass the diagonal straps A3 and B3 through the buckles C1 and C2 on the adjustment strap C until they lay flat between the points at the brace buckles at A4 and B4 and the buckles at C1 and C2. The proper adjustment of these diagonal straps is most important, as they equally distribute the entire load of the equipment, and when properly adjusted cradle the pack G at the points G3 and G4, thus ensuring the perfect balance of the



No. 5.—“Pass the diagonal straps.”



No. 6.—“Pass the ends of the braces.”

No. 6. Pass the ends of the braces E1 and F1 through the buckles on the back strap C at C3 and C4, so that they extend below the waist belt line from 8 to 10 inches, more or less, according to the height of the man. Have prongs on the 2 in. buckles that slide up and down on these braces E3 and F3 to point toward the shoulders. Put the belt around the waist, and pass the braces over the shoulders.

No. 7. Pass the ends of the braces E2 and F2 through the buckles A4 and B4 on the ammunition carriers, then through the slots A5 and B5 found below the buckles, so that the brace ends will fall behind the carriers. These front brace ends should extend below the belt the same length as the brace ends in the back, according to the height of the man.



No. 7.—"Pass the ends of the braces."



No. 8.—“The Equipment is again laid on the ground.”

No. 8. The equipment is again laid on the ground and the combination water-bottle and intrenching tool carrier is attached to the front and back brace ends on the right side by the buckles J1 and J2, having the tube for the helve to the rear.



No. 9. Attach the haversack I to the front and back brace ends on the left side, by the buckles I 1 and I 2. The brace tabs on the haversack I 3 and I 4 are folded in the openings in the canvas strip across the top, when worn at the side, presenting a neater appearance.



No. 9.—“Attach the haversack.”



No. 10.—The Equipment.—Pack attachment.

No. 10. The equipment is now ready for the attachment of the pack G. Lay the pack on the ground face downwards and the top away from you, then place the back adjustment strap C across the pack with the lower edge of this back adjustment strap on a line with the bottom of the pack. Move the buckles on the braces E3 and F3 so that they come even with the pack tabs G1 and G2, where they are sewn on the pack. Pass these pack tabs through these buckles so that they fit close to the pack, and the braces lay flat on the back of the pack. Pass the ends of the diagonal straps A3 and B3 through the buckles G3 and G4 on the bottom of the pack, pulling these taut.

No. 11. Turn the equipment over and pass the end of one of the straps G5 or G6 in the buckle of one of the pack cross straps HH. Cross this strap over the pack, passing the end through the buckle at the pack tab G7 or G8. Adjust the other cross strap the same way and pull tight.

As the correct balance of the equipment depends almost entirely upon these supporting straps, it is very important that they should be as taut as possible, as they then bind the pack tightly to the main body of the equipment and prevent it shifting.



No. 11.—“Turn the Equipment over.”



No. 12.—“The Equipment is now assembled.”

No. 12. The equipment is now assembled, and if properly adjusted should have the belt comfortably loose and the pack cradling in the diagonal straps and the bottom of the pack on a line with the lower edge of the adjustment strap in the back. In marching, the belt can be unfastened, the tunic unbuttoned, permitting the air to circulate about the body. This does not affect the balance of the equipment, which will maintain its balance if worn with a full load in the ammunition carriers, but without the pack, or without the ammunition but with the pack.

THE EQUIPMENT IN FIGHTING ORDER.

**No. 13.** The pack is discarded and the haversack is adjusted on the back in the same manner as the pack, by slipping the buckles on the braces down, to take the tabs on the haversack I 3 and I 4. Pass these tabs through the brace buckles and under the inside prong, then hook the buckles on the haversack I 1 and I 2 in the outer rim of the brace buckles. The ends of the diagonal straps A 3 and B 3, are passed through the buckles on the bottom of the haversack I 5 and I 6, with the bottom of the haversack on a line with the lower edge of the back adjustment strap, the same as the pack adjustment.



No. 13. — "The pack is discarded."



No. 14.—“Attach the bottle and tool.”

No. 14. Attach the combination water-bottle and entrenching tool carrier to the haversack by the strap J 3 on the back of the carrier, by passing through the loop on the haversack I 7, then the top of the carrier, and fasten to the buckle on the top of the haversack I 8. Fold the buckle tabs on the water-bottle carrier inside, so that they are secure when not in use.

The haversack and water-bottle, with intrenching tool, when worn on the back, leaves the hips free for quick movement; and in this fighting order the soldier has his ammunition, water, emergency rations, and, with his intrenching tool, rifle and bayonet, is equipped for action.