



®

JERVEN

The Jervenbag™



Used by norwegian hunters and soldiers for more than 20 years

There is a lot of experience behind the products from **Jerven**.

Hardangervidda west offers the most of weather and wind, and what measures up in that environment would hold its own in most places.

Could weather, wind, rain and whipping sleet squalls. Yeah, and then a thousand meters climbing, in order to get up to the top of the mountain!

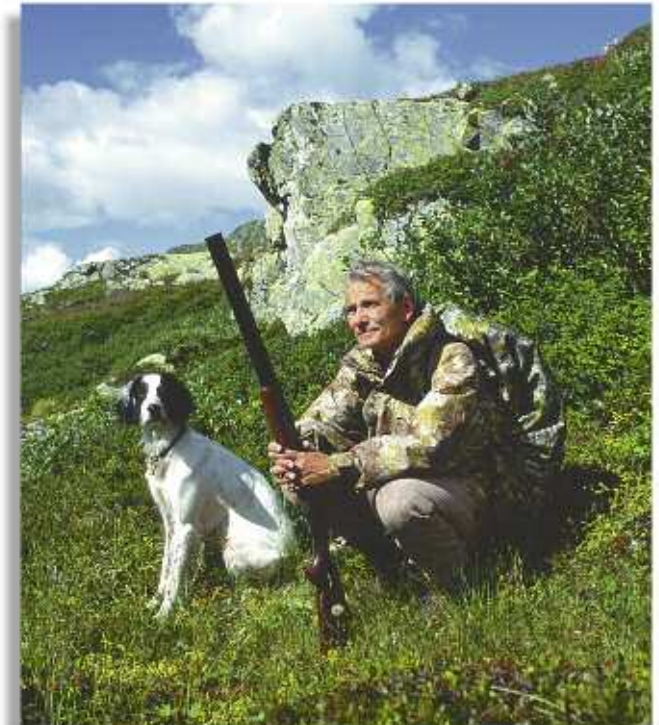
Then you appreciate a pair of pants, made for climbing uphill, “thighs” (thigh protectors) in stead of clammy rain pants, a tent which withstands wind and heavy snow, a jacket that keeps the lashing rain out. And last, but not least, The Jervenbag! The Jervenbag is probably the product, which has meant the most to the outdoorsmen during the later 20 years, and will most likely continue to do so for the next 20 years as well. The ones who’ve been outdoors on a winter day will recognize it!

Best regards,
Audun



– The (rein)deer hunter’s best friend: The Jervenbag. When you have to sit for hours with the binoculars, without freezing your butt off. How did the real guys cope back in the “good old days”, eh....?

More information:
www.jerven.com



Original

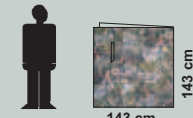


The single, light Jervenbag, (without lining), which ought to be your steady companion on every trip. It's large enough to sit in - and excellent as a rain cape - both for you and your rucksack. Areas of use: Small game hunting, fishing, trips in woods and mountains. It's for easy tours during the milder seasons. It produces condensation.

Forest item-no: 1000
Olive item-no: 1001
Mountain item-no: 1002

Measurements as a bag:
143x143 cm
Weight: About **650 grams**.

Delivered with Rescue flag, Arming and packing pouch, with lace-closing.



This man is 180 cm.

Page 6

Thermo

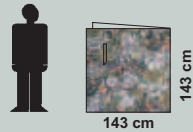


Forest item-no: 1006
Mountain item-no: 1007

Same as the Jervenbag, Original, but lined and wadded. Warmer and more snug, and the condensation problem is gone. The same also applies to all of the Thermo-bags. If you are 1,90m (6'2") tall or taller, in your stockings, you ought to chose a larger Jervenbag. For all-year use.

Measurements as a bag:
143x143 cm.
Wadding: 80 grams pr m².
Weight: About **1300 grams**.

Delivered with Rescue flag, Arming and Pillow bag (compression bag).



Page 8

Thermo Extreme



Forest item-no: 1030
Mountain item-no: 1031
Orange item-no: 1035

Identical to the Jervenbag Thermo Hunter, but this one has an extra thick wadding. It's a special bag, which preferably is being used as an extra warm bag, or as a sleeping bag/sleeping bag re-inforcement. For all-year use.

Measurements as a bag:
102x220 cm.
Wadding: 200 grams pr. m²
Weight:
About **2000 grams**.

Delivered with Rescue flag, Arming, packingstrap and Pillow bag (compression bag).



Page 16

Thermo King Size

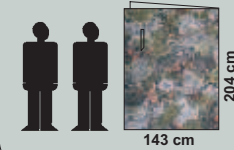


Forest item-no: 1020
Mountain item-no: 1021

This one gives room for two persons or as a handy bag-tent for one. This is the right Jervenbag for you, who want to have room for most. It's the first choice for many expeditions, also to the South-Pole. For all-year use.

Measurements as a bag:
143x204 cm.
Wadding: 80 grams pr. m².
Weight:
About **1900 grams**.

Delivered with Rescue flag, Arming, packing strap and Pillow bag (compression bag).



Page 14

Thermo Hunter

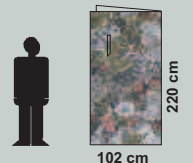


This is the big game hunter's best friend. This one is so long that you may lay in it. The Jerven-bag Thermo Hunter has become the Military's most popular model. Use it as a poncho, bag, sleeping-bag/sleeping bag reinforcement. For all-year use.

Forest item-no: 1034
Mountain item-no: 1033
Desert item-no: 1040
White item-no: 1043
Orange item-no: 1032

Measurements as a bag:
102x220 cm.
Wadding: 80 grams pr. m².
Weight: About **1500 grams**.

Delivered with Rescue flag, Arming, packing strap and Pillow bag (compression bag).



Page 12

Thermo Mini-Hunter

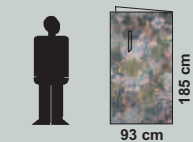


Forest item-no: 1042
Mountain item-no: 1041

Identical to the Thermo Hunter, but is narrower and shorter. Ideal for persons 170 cm - 5'7" tall, or shorter. Use it as a poncho, bag (or in stead of sleeping bag). For all-year use.

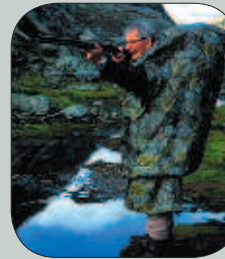
Measurements as a bag:
93x185 cm.
Wadding: 80 grams pr. m².
Weight: About **1300 grams**.

Delivered with Rescue flag, Arming, packing strap and Pillow bag (compression bag).



Page 10

Multimate

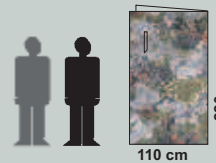


Olive item-no: 6110
Mountain item-no: 6010

The bag many have been looking for - a bag where you may take the lining out or leave it in - dependent upon use. Use it as a simple, unlined bag or as a warm thermo-bag.

Measurements as a bag:
110x220 cm.
Wadding: 80 grams pr. m².
Weight: About **900 grams** unlined - and about **2000 grams**, including lining.

Delivered with Rescue flag, Arming, packing pouch for the lining and a Pillow bag (compression bag).



Page 18

Rescueflag



All models of the Jervenbag are being delivered with a Rescue flag, 50x50 cm, with reflective stripes. The flag has guy ropes in all corners, which enables you to tie it to a tree or a ski pole, etc. The flag may also be bought separate, and has item no. 1057.

10 års garanti

The Jervenbag is a quality product and is being delivered with a 10 year warranty.

Page 27



The Jervenbag™ Original

Our invention from 1982, the very first Jervenbag.

A piece waterproof of fabric, with zippers around the edges. Aluminium-coated on one side, camouflage colored on the other. A big enough poncho, big enough to be used as a wind sack - for sitting in it.



You dont have to be a rough hunter to appreciate the Jervenbag.

That's the way it all started, and The Jervenbag Original has been, and will remain unchanged! To put it in another way; the wheel cannot get to be more round.

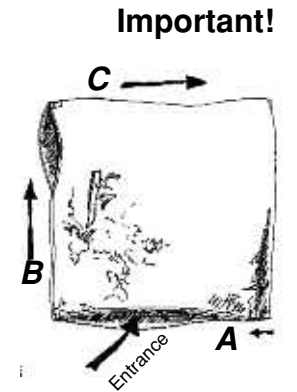
Admittedly, we have made several new models of The Jervenbag, but those will always be in addition to, not instead of The Jervenbag Original. This the single layer, light Jervenbag, which is permanent contents in the backpack. And that's the trength. It's there! The minus is, that it creates condensation. The outer-fabric is completely tight, but that is deliberate. Breathing materials are not tight enough when you're sitting in the soaking wet marsh. In addition, the materials let out heat.

Oh, well. When you don't want to carry more than 600 grams, that's what you get. Yet, a single layer bag is still a thousand times better than no bag! This is the bag for the small game hunter, the fisherman, the hiker and others, who are spending time outdoors.

The Jervenbag Original and Thermo

This is the way the Jervenbag shall look before you leave for the mountains.

- Zipper A: Large opening (entrance)
- Zipper B: Small opening (window)
- Zipper C: Closed



The arrows are showing the closing directions of the zippers.

Now you may always see what is up and what is down, and will avoid entering zippers with frozen stiff fingers.

This is the starting point, both as a wind sack and as a poncho.



... at the end you close zipper A.



A substitute for a rain-jacket.



The JervenbagTM Thermo

This is the same bag as The Jervenbag Original, about 1,45 x 1,45 meters, folded as a bag. And, it's lined and wadded.

That means, that it is not only heat reflecting, but also heat insulating. In addition we have almost eliminated the condensation problem. During testing in the winter of '95 we had, inside The Jervenbag Thermo, a rise in temperature of unbelievable 29° C. (52,2°F). Outdoor temperature -14° C. (6,8°F), and inside the Jervenbag +15° C. (59°F).

The only heat source was the person inside the bag! The Jervenbag Original reached +9 C. (48,2°F) in the same test.



The Jervenbag gives a heat effect that no clothing can, because one in the Jervenbag gets a heated layer of air around oneself.



Indoor-shoes. A good thing in the mountains.



Choose between Coop- and Rema1000-bags (AP- and Farmer Jack's bags with commercials). Lots of light and lots of heat.

Here are some tips for you:

Lower the sweating speed and walk till you are dry and warm, before sitting down.

Be seated inside the bag before you start feeling cold.

Don't heat for the crows! Get your legs inside the bag and close "the door" behind you.

Place the sitting plate or the ground sheet inside the bag. Otherwise you may experience that things blow away when you get up. (Anyone recognizing this experience?)

The first place you start feeling cold is on your feet, so if you are going to sit for long, long, long, you ought to take off the sweaty boots and put on a pair of roomy slippers.

If you don't want to bring the dirty boots inside the bag, you may place a couple of plastic bags over them.

The refrigeration technology trick

The Jervenbag holds the heat, and it also holds the cold: If you place a can of beer on the ground and cover it with the Jervenbag, the cold from the ground/marsh cool the beer so that it becomes cold and tastes good – even when the sun is broiling all day. This way you may take care of the killed animal as well.



The JervenbagTM Thermo Mini-Hunter

Identical to the Jervenbag Thermo Hunter, but shorter and narrower - about 94 x 186 cm – 37” x 6’3” as a bag. It’s perfect for all persons shorter than 170 cm - 5’7”.

During the later years Thermo Hunter has become an obvious favourite among all who are engaged in big game hunting. We are now introducing the same bag, in a smaller format, the Thermo Mini-Hunter. This results – for the shorter of us - (the ones who are shorter than 170 cm, 5’7”) get a two to three hundred grams lighter rucksack.

Otherwise the Thermo Mini-Hunter is 100 % identical to the “big brother”, the Thermo Hunter. May be delivered in both forest- and mountain camouflage colours.



The Jervenbag gives a heat effect that no clothing can, because one in the Jervenbag gets a heated layer of air around oneself.

The Jervenbag: best in test!



Numerous tests in numerous magazines show that the Jervenbag from Jerven is the best! 3 new test winners from Jerven:

The Jervenbag from Jerven: best in test!

The Jervenbag Hunter, the Mini-Hunter Bag, the Jerven Multimate are best in test! With 5,5 reindeers out of 6 possible the Jervenbag Mini Hunter, together with its “big brother” the Jervenbag Hunter, are the test winners in the magazine “Jeger, hund & våpen” (Hunter, dog & weapons’) big test in the “Jegerboka-07” (The hunter’s book-07). The Mountainbag Multimate also gets 5,5 reindeers in the same test. (5,5 out of 6 possible points, i.e.)

Jerven - best in quality and warranty:

We take the freedom to remark that we think it is strange that certain test panels in different magazines do not bother to mention that the Jervenbag from Jerven carry a 10 years warranty. Tests are to the greatest degree consumer matters, and we think that the consumers also deserve to see and learn which suppliers are the best in quality and warranty!

The people’s favourite for more than 20 years:

Even though The Jervenbag from Jerven on an average is achieving high scores in all product tests within its segment, we wish to underline that it is you, as a user of our products, who is the most important judge. We put greater emphasis on your and hundreds of other users’ feedbacks, as being far more important than what a self-appointed expert might write and think,...! So: Thank you for your praise and spank! You are most welcome to send us a few words and pictures of how you use the Jervenbag. Please send text and pictures to: jarle@jerven.no. Please remember to state your name and address!



The Jervenbag™ Thermo Hunter

This has become the "good-natured bag" for the hunter on watch...



The Jervenbag Thermo Hunter has become the "good-natured bag" for the hunter standing guard...

..and that's not without reason. To be able to stretch your legs when the hours become long is worth its weight in gold.

The measurements as a bag are 102 x 220 cm – 40" x 87".

Two-way, separable sippers offer a multitude of possibilities. It's light too. Weight only 1500 grams. The Jervenbag Thermo Hunter has become the Military's most popular model.

Use it as a poncho, bag or sleeping/sleeping bag re-reinforcement.

Now available in as much as five different colours/ camouflage variants:

- Mountain camo** item-no: 1033
- Forest camo** item-no: 1034
- Desert camo** item-no: 1040
- White** item-no. 1043
- Orange**, item-no: 1032

Which one is suitable for you?



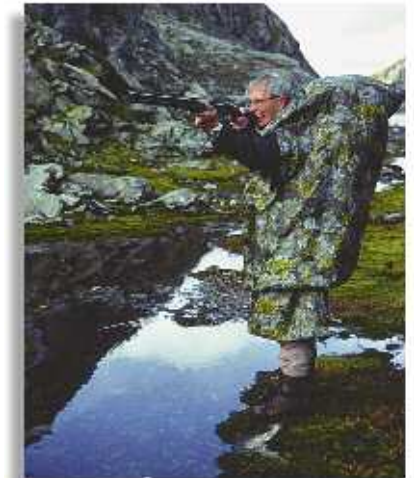
Using The Jervenbag while on watch has a number of definite advantages:

- 1. Camouflage:**
You are equal to the terrain, and you have lost the shape of a human being.
- 2. Smell:**
Your body odour stays inside the bag. The odour is not so easily spread in the terrain.
- 3. Movement:**
It is easier to sit still and quiet when you're staying warm. The more practical and comfortable you are, the easier it is to keep going. Should it become too comfortable, you might risk falling asleep. We have heard of several such cases.
- 4. Sound:**
Let be chattering via the hunting radio in season and out of season. But, that has, strictly speaking, nothing to do with The Jervenbag. Simply had to mention it.

You may also use The Jerven Hunter bag this way. Stylish clothes!



The Jerven Hunter bag is 2,2 meters long, and you need a belt/pack strap around the waist. It functions well with a large sack under.



...and it is in fact no problem to use the gun. Mini skirts offer better walking steps.



The JervenbagTM Thermo King Size

It has been told about a guy from here in Odda, that he was too big to be a human – and too small to be a troll.

Okay. Grown up guys shall also have a Jervenbag. The King Size-bag is 200 x 145 cm, connected as a bag. This normally gives room for two. Or, you may stretch out all you want and sleep a little. With such a large «single unit-dwelling» the options are many. The wadding is the same as in the smaller Thermo bag. If you're over over 1.90 cm and 100 kilos (6'3"/220 lbs).., choose the King Size Thermo.

The King Size-bag is probably, due to its size, the most useful bag. The possibility to stretch the legs and really rest is sometimes worth its weight in gold. If you turn the inside out, you'll have a warm quilt, for use at the cottage.

Some rope and a few tent pegs is all it takes to make a little shed.



Our bag tent is our little favourite. Sleeping bag, ground sheet and The Jervenbag, King Size. Easy.



Everyone must pee in ones own pants in order to understand it's getting wet, but we still offer a few words of wisdom!

If you're hiking in an unknown terrain, with the intention of going back the same way you came, then look carefully where you're going, to see and remember how it looks when you're going back home.

If you have erected a tent in an unknown terrain, mark the tent camp exactly on the map. Perhaps you will have to find your way back in dense fog.

Eat and drink before you get hungry and thirsty, in order to avoid ending up completely «empty».

Make one trip in bad weather – and you'll learn more than on a hundred trips in nice weather.

Experiences are blunders you learn from - otherwise it's blunders only.

«Never go alone». You are risking becoming an independent person, who trusts your own know-how and skills.

*It takes at least two hours to dig a snow cave. It takes max. two minutes to enter **The Jervenbag**.*



As said, King Size gives room for two ...or movement gives extra heat...



The JervenbagTM Thermo Extreme

This variant of The Jervenbag was earlier developed upon a wish from the Military: «Make a Jervenbag, which is warm enough to replace the sleeping bag at winter time.»

Well, some think we have succeeded, others don't. We have gotten feedback from avid open-air campers, who seem to be able to take the most of what you might throw at them of low temperatures. Others shiver when the night temperatures get close to + 5° C (41°F.). If you use a light sleeping bag in addition, you ought to do just fine.



The Finnmark race – 1000 Ks. The longest dogsled race in Europe. Necessary equipment: The Jervenbag Extreme.

As a wind sack it is quite superior. When you sit in this bag, it is close to impossible to get under + 20° C (68°F.) ! About 25 degrees C (77°F) is common. (See the Sintef report.) But, then you're awake. It will not be quite the same when you sleep. You will fall asleep, but you may also wake up rather early. Most of us are very spoiled with the comfortable quilt at home. In any case, it is a definite alternative to the sleeping bag.

As windsack the Jervenbag, Thermo Extreme is 2,2 x 1 meters. The wadding is 200 grams (0.4 lbs) per m². All the other thermobags have 80 grams per m².



The Jerven bag Fjellduken Extreme:

Extremely good extremist

We have become nicely acquainted with the Jerven bags earlier, and here is one of the most solid models, namely The Jerven bag, Thermo Extreme. The bag measures 100 x 220 cm, folded, and this sleeping bag like shape, combined with a strong 200 grams' (0.40 lbs) padding separates it from the others, (the common thermo bag has 80 grams per m²). This also eliminates much of the condensation, which tight bags will produce. The Bag has solid two-way zippers on three sides. The bag has – like the other models – a high degree of application options. Here you've got all in one, a bivouac sack, a tarp roof (half shelter), heating pouch for the dog, a sail for the canoe and even a sleeping bag. With the thick padding, you may namely, stand an overnight stop, until the snow flings begin to be of the dry kind.

The producer's promises of well over twenty warm degrees inside the bag, regardless of outdoor temperature, is perhaps a bit too optimistic, but warm it is. The shape of this bag folded is also preferable, contrary to the regular thermo model. It's tops when you shall sleep or lie still and look through the binoculars for long. You may also make the most of the bag while sitting. Weight and volume makes it possible to bring the bag as a replacement for tent and sleeping bag, and not as additional equipment. And that is the whole point with the commission that private Melkeråen at Jerven got from the Military. It takes up some space and weighs a little, but in return it does the job in Norway's demanding climate. Here it is not enough with thin, questionable silver paper blankets, with fancy names. The eyeholes may be leakage points, but they are necessary for the stretching of the bag, with elastic baggage straps, or as fastening points for tent pegs (only thin pegs will fit). I would think that sewn, outside loops would have done the trick, just as well. The Jerven bag, Thermo Extreme is a very good and most useful bag. If you're looking for a replacement for the tent and the sleeping bag, this is the model for you. The conclusion is, that as much as 5,5 whole reindeers are being offered to the "jervene" (wolverines) (!) (That is a play on words, since "jerv" in Norwegian means wolverine).

The Jerven bag, Thermo Extreme

Material: PU-coated polyester, thermo wadding. Measurements: 100 cm x 220 cm (folded)
Colors: Mountain Camou (flage), Forrest Camou (flage), olive green. Weight: 1900 grams (4.2 lbs). Price: NOK 2410. Producer: Jerven AS (tel. 53 64 20 18).

PLUS: Shape, Solid, Warm,
MINUS: Volume, Weight

Responsible for testing and photography: Cato Hemmingby

Tested by Norway's biggest hunting magazine



The JervenbagTM Multimate



The Jervenbag Multimate, with or without lining.

The bag you may use for everything!.....

The Jervenbag Multimate is the most advanced Jervenbag that we have made. It has been made as a square, where all sides are 2,2 m – 87". Folded it as a bag it then becomes 2,2 x 1,1meter – 87" x 43" .

The lining may be taken off and put on as needed. This way you've got both a single Jervenbag and a thermo-bag in the one and the same product! But, please observe the following: Even if the bag is long enough to spend the night in, you must use the lining in order to avoid getting wet from condensation. A single bag must not come in contact with the sleeping bag, because then the sleeping bag will get wet!

The JervenbagTM Multimate



... to sit in ...



... walk with ...

The bag many have been looking for - a bag where you may take the lining out or leave it in - dependent upon use. Use it as a simple, unlined bag or as a warm thermo bag. To sit in, walk with - or sleep in...



... to sleep in ...



Removeable lining.

Spending the night in the Jervenbag™

Everyone ought to try to spend a night in the open, some time. That is quite an exiting nature experiment that you absolutely ought to indulge in. And do it alone, so that the “yakety jak” shall not get the opportunity to spoil the atmosphere. If you have a lined bag that is long enough you may, during the warm season in any case, manage without a sleeping bag. And, of course, the Jervenbag is your companion on all tours, so why not?

Lying in the bag has two clear advantages. First its warmer, and secondly it is dryer. Since the outer-fabric does not breathe, the condensation will remain inside the bag and then it is important that it is lined and wadded, otherwise it will be wet. But then, there are limits to how much condensation the wadding may contain, so after a night in the bag, it ought to be dried out.

The combination of sleeping bag/the Jervenbag Original (unlined) is also a possibility. But then you ought to fold it out and use it as a low mountain igloo. Do not let the bag lie against the sleeping bag, as your sleeping bag will get wet from the condensation. Then it is really misunderstanding when it in some tests is being said that it is a minus that the Jervenbag Original does not offer comfortable bag length. We would rather call that a plus.

If you shall be lying down and sleep inside a bag, it must be a thermo variant.



Fresh air is one thing, but you may perhaps also appreciate being able to snore unrestricted, without someone complaining(!) One thing before you fall asleep: remember to take the boots inside before you close for the evening, so that they are warm for the next day.



...I shall only rest the eye lids a little, then I'll be with you.....ZZZZzzzzzzhhhhhhh

More tips:

Rinse your feet and put clean socks on. Cold feet are like rubbish. “It is the dirt that freezes” people said in the older days. If you have been sweating a lot during the day, it is smart to wash the rest of the body as well. Make sure that the zippers are well impregnated before you leave for the mountains, and remember that you ought to lubricate the zippers with silicone in the winter, just like you do with the car-door-locks. Then the zippers will also function at cold temperatures. The ground sheet shall be inside the bag, and so should the boots too. Then the boots kept warm for the next day.

It is warmer with a jacket over you than on you. A light fleece blanket adds to the “quilt-effect” and takes minimal space in the rucksack. But, you’ll have to find out for yourself how much of bedclothes do you need in order to have a pleasant night...just feel your way. Other than that it is in fact more important what you have under yourselves, than what you have on top of you. We recommend a foam mat, with closed-in cells, which ought to be 2 cm (about 1”) thick. It is light and insulates well against loss of heat, also in the winter. Simple air mattresses are simply cold as ice.

Make sure that zippers and eye-lets are placed in such a position that water does not run in – in case it should start raining. Make sure to place yourself well sheltered against the weather. Remember that even if the outer-fabric in the Jervenbag is waterproof, the construction itself is not. The long zipper ought regardless, not be placed upwards, but rather downwards. It will namely be a cold-conductor, a spot where the heat will get out.

Then there is something that many have wondered about. Is it possible to die from the lack of air while sleeping inside the Jervenbag? To be on the safe side we have asked the expertise. The answer was reassuring: There is no danger. Your body is created in such a way, that you will wake up in the case you should feel that you get too little air. Other than that, one does normally have a small opening for the nose. Fresh air is in these days...

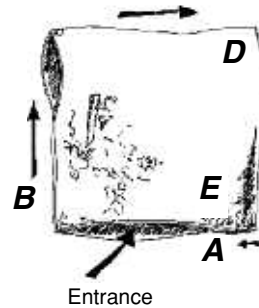
... and here is how to use it

This is how the Jervenbag should look before leaving home:

- Zipper A: Large opening (entrance)
 - Zipper B: Small opening (window)
 - Zipper C: Closed
- The arrows show the zipper closing direction.

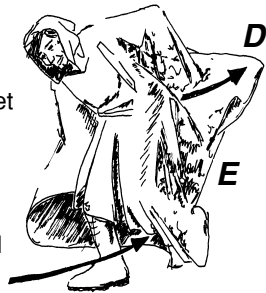
Follow this simple diagram, and you'll always be able to tell up from down and won't have to start doing up zippers with frozen fingers. **Note that the procedure is the same when used as a poncho and windproof bag.**

Important!

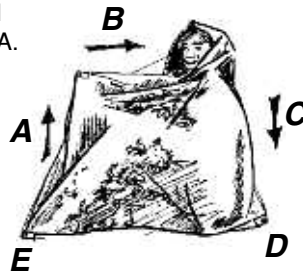


Windproof bag

Pull the Jervenbag over your head and slip your feet into corner E. Bend forward, pushing your behind into the corner D.



Sit down and close zipper A. The whole procedure take barely 15 seconds. Practice at home (it's no fun trying to read instructions in a gale force wind)



..or poncho

Tie a knot here if the poncho is too long at the back.

- A – completely open
- B – small opening
- C – completely closed



Using the Jervenbag King Size as a poncho, use the strap as a belt. (applicable for people less than 2,5 tall!!!)



There are unbelievably many areas of use of the Jervenbag. These drawings offer some tips, and a number of drawings we have received from satisfied users bear witness of great inventiveness.



As for example as "sails" for a whole canoe party on tour



..or as a "thermal blanket" in connection with anaesthesia-operations of animals, as the one here from an operation at Norges Veterinærhøgskole (Norwegian Veterinary College).....



..or as a kite-chute, when you need quick crossing over snow- and iced-over mountain lakes.

Simply the best....



...camouflage in the world. The Jervenbag in mountain (stone) camouflage.



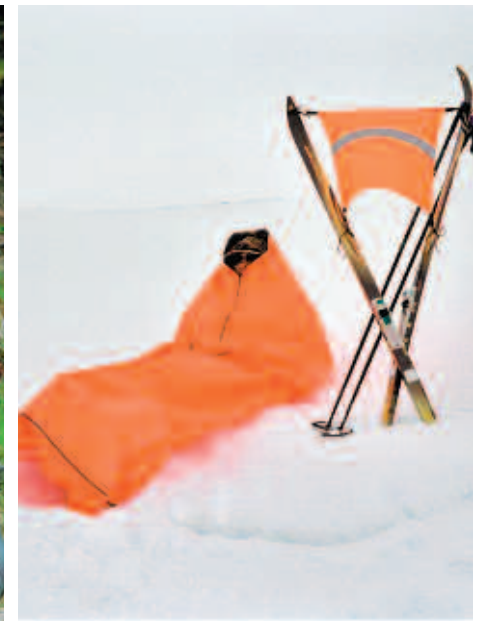
Desert camouflage.



Forest camouflage.



Winter-version



Rescue-version, (signal orange)

Included with the Jervenbag is:

1) Armings



Armings - well, what else should we call it?

This way you do avoid getting wet when you sit with your arms sticking out of the Jervenbag, and you avoid making a mess of yourself when you slaughter.

If you close it in one end, you may pick mountain cranberries and put them inside the armings. That's what you'd need along with the game meat, in any case. (Note! Armings are also being sold separate!)

2) Compression pouch (standard with every thermobag)



Here is a new twist for the compression pouch.

We think it is better with an oblong "sausage" than a round ball – it's easier to bring along, kind of. And it makes it more cozy with a pillow, eh, ...?

The pillow pouches are of such a size that the Jervenbag shall be folded into a double, then a double, again a double,.....until the size matches the pouch. In other words; it's simple to pack.

All Jervenbags with thermo-lining is now being delivered with a Pillow pouch.

You ought to keep the pillow readily available under the sack lid, preferably. It's nice to put it under the neck or under the behind when you make short stops underway.

(Note! Pillow pouches are now being sold separate as well.)



3) Rescueflag



We have made a signal flag that may be used to attract attention.

The flag is equipped with reflective material, which makes searches in dark nights almost as simple as searches in daylight.

Strings in the flag make it possible to fasten it anywhere.

(Note! The flag is being sold separate.)

4) Packing-strap



With the oblong Jervenbags "Hunter", "Mini-Hunter", "King Size", "Multimate" and "Extreme", a packing strap is included. The packing strap comes in handy.

You may carry it in your belt, when you are going to use the Jervenbag as rain gear – or as an extra "piece of clothing", in case it gets cold.

5) 10 year warranty

Jerven is only using the best of raw materials in their production of the Jervenbags. Both raw materials and sewing work are being controlled carefully. Therefore we give a 10 year warranty against possible defects with the Jervenbag, which have to do with the materials and sewing work.

If the defect can be repaired, it will be done. If not, the Jervenbag will be replaced by a new one. The warranty does not apply when the damage is done by fire, live coal, sharp objects or foolish handling, where one must have expected that the product does not stand such handling. Moreover, the Jervenbag shall be washed, impregnated and looked after in accordance with our recommendations. **All claims/warranty matters shall be directed to, and be approved by the place of sale/dealer, where the product has been bought.**

So, what can you expect from the Jervenbag?

Always dry and warm? Broadly speaking, yes. But, that will to a large degree be up to your self. Provided you've followed what's going on, you will in this brochure find many tips as to how you should use the Jervenbag. You should still be aware of the fact that the construction does not give 100% protection against long-lasting rain. Zippers, eyes and seams are spots where the water might seep in, which brings us over to an important point:

Care and maintenance

Before you put out for the mountains, there is something you shall make into a steady routine: To check that your Jervenbag is impregnated and ready for use! It might just happen that you get stuck for a few hours – in really bad weather. Then you should absolutely have had your bag impregnated.

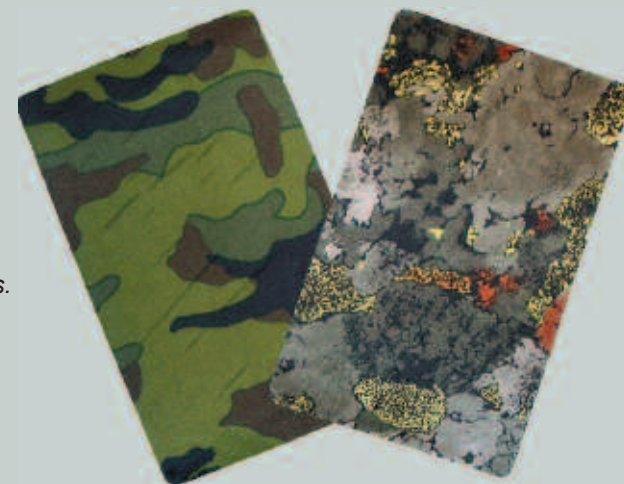
There are a number of usable impregnating mediums in the stores, and we have had good experiences with Kiwi Camp Dry m/ 13% silicon. It is a spray-on and costs about NOK130 per can (2006). Nowadays it should strictly speaking not be necessary to impregnate a brand new bag, since we use already impregnated zippers, but do check it anyway, to be on the safe side. Better "safe" than "sorry", right? Use the impregnation over the entire bag, especially after washing. The water will then glance off and you may shake the bag almost completely dry, after having used it in rainy weather.



Washing and drying

Washing shall be done in lukewarm water, up to 30° C. - 86°F. Well, okay, 40°C – 110°F will do too,..... The Jervenbags should not be washed in a washing machine or be tumble-dried. But then, they may be tumble-dried, provided that you have used a very gentle washing program. But, by all means, do not use the spinning program! First, it is no point in trying to press water through a waterproof fabric. And secondly, the wadding in the Thermobags may be torn out of the seams and become lumpy.

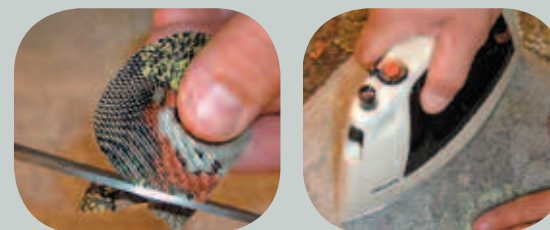
Remember the impregnation after washing!



*Jerven-textile with adhesives.
7001: Mountain camo.
7002: Forest camo*

Holes and torn

We have now made some smart repair-kits, which you may use out in the field. This is a Jervenbag textile, with adhesives on the back. Should you get a hole in your bag, you just cut out the necessary piece of textile, with a pair of scissors or a knife, remove the cover paper and adhere it over the hole. Press and rub a little on the patch, since pressure and heat makes it fasten better. That's all. User instructions are included with the repair-kit.



Storage:

Store it dry and airy. Do not coil it hard. And, please remember, that if you should put away a coiled Jervenbag (this applies to tents as well) - it will look and smell like an old cheese!

Now you have been warned.

When things go wrong...

When you buy a new washing machine there is in most cases a page in the user instructions dealing with reasons for possible malfunctions. For example: The machine does not start? a) Plug in the power cord. b) Have you paid your electricity bill? c) Close the door to the machine.

Below we try the same tactics:

- Does it get soaking wet inside the Jervenbag when it is raining?



a) The outer-fabric itself is not 100% waterproof?

This is very seldom, but it may happen. In such a case it is cause for a claim. You may check this yourself, by pouring a few litres of water into the bag and let it hang for a few moments, in order to see if it is dripping through. If it is watertight, go on to the next point.

b) The zippers may let water pass, and then it is spreading along the lining till everything is wet?

To begin with, the zippers should be impregnated from the factory, but it does not hurt to help a little. Water may, furthermore, also trickle in through the seams – so, please impregnate seams and zippers before you go up in the mountains. This applies both to new and old bags. Use Kiwi Camp Dry m/13% silicon. It works. (The long seam in the back has been taped, so there is no danger there.) Other than that, you ought to spray some impregnation over the entire bag, because you may then be able to shake it almost dry, after having used it in rainy weather.

c) The water comes in through the eyelets, etc, oh, well,... (hawking!)

Zippers



The zippers in the Jervenbags are 6mm spiral-zippers of the best quality. It is difficult to destroy the spiral itself, but the gliders that you pull up and down may knock off, if they are exposed to excessive, rough treatment. But, do not despair, because such things may be replaced. For this you need a pair of pliers, since you must remove the stopper, which shall prevent the slider from falling out, and you must install a new stopper on the zippers.

But – a slider may be placed up or down, or back to front. Thus you have four possibilities. Only one is the correct one. And here we are at the core of the matter. If you take a closer look at the slider you will see that it is not indifferent how you tread it on to the spiral. You may also take a good look at the zippers that work, and then do it the same way!

Tip 1: Just spray some silicon on the zippers, when it is some degree of frost, and everything will glide so much better.



Tips 2: The eyes are practical for much, they do among other things see to a certain supply of air inside the bag. Loops on the other hand have a tendency to hook on to everything. But should you need loops in stead of eyes, for tent pegs, etc, just do as shown on the picture.

The Jervenbag™

- marked with a NATO-number

NATO NO: 8465-25-149-8270
Fjellduken Hunter Mountain

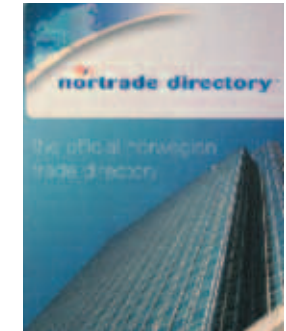


The most sought after models of the Jervenbags are marked with a NATO-number. This applies to the models: Hunter, King Size and Original, in different camouflage colours.



"A dry & warm soldier accomplishes more than one that is wet & cold."

Norway Exports Defence & Space Technology , Innovation Norway



Jerven has been a supplier to the Norwegian military since the middle of the eighties. During the later years the Jervenbag from Jerven has been presented in different publications, published by Nortrade and Innovation Norge AS. Jerven has delivered the Jervenbag to a number of NATO-forces in various parts of the world, both to Norwegian and foreign forces.

The Jervenbag has for more than 20 years been a well acknowledged brand, both civil and military in Norway. In addition to having been tested by Sintef (a acknowledged Norwegian test laboratory), the Jervenbag has been tested by SIFO (Statens Institutt for forbruksforskning) (The Governmental Institute for Consumer Research), for fire resistance, report 11-2005.

On the website www.jerven.com you will find updated information about the products from Jerven. The website also has an **webshop**, where you may pay with VISA and MASTERCARD, in case there is no dealer in your country. The website has a currency calculator, making most of you able to figure out what you will have to pay for products you are looking for. At www.jerven.com you will also find a number of pictures, which have been sent in from satisfied customers and users from Norway and foreign countries. We thank you in advance for feedback, pictures, praise and criticism! Should you have questions about any of the products, please contact us at:



Jerven a/s
pb. 149, N-5751 Odda, NORWAY.
Phone: +47 5364 2018, fax: +47 5364 3616
mail: post@jerven.no

World wide webshop, www.jerven.com

Pictures to share with the world?



One picture from Jan Mayen, showing some norwegian soldiers without any complains.

Photo: Torbjørn Brase.

It's all about the Jervenbag:

You may encounter Norwegians just about anywhere: Hitch-hiking in Australia, polar bear hunting in Canada, at the South Pole, in the Himalayas, deep inside the Amazonas' rainforests... you name it! And, do you know what? And they do carry the Jervenbag with them! So, if you have good pictures, tips about the use, exciting stories, or something else you would like to share with us, please send a few words.

The right address is jarle@jerven.no, or Jerven AS, box 149, N-5751 Odda, Norway. Please mark attention of: Jarle, and please remember to state your own name and address! (Easy to forget, right?....)

The Main Rescue Central at Sola, Norway:

“Jerven Rescueflag - increases the chance to be found..”



Commander of the 330 squadron, Lieutenant Colonel Nils Frøisland (on the left) and Senior Rescue Man, from the 330 squadron, Captain Fritz-Ivan Gulbrandsen, are hoping for fewer Sea King-searches in the mountains.

The 330 squadron (the rescue helicopter service in Norway) often assists the Police and The Main Rescue Central, in connection with searching for missing hunters in the mountains. When the Rescue Helicopter Service receives a message about a “missing hunter”, many factors play a role in order to carry out an effective search, with a positive find as the result. One of those factors is the color of the hunter’s outer clothing.

As we all know, most hunting clothing is colored green and in worst cases, the hunter has chosen a camouflage variant, which is adapted to the hunting terrain. All hunters ought to carry emergency aids, which make it possible to be easily seen in the terrain, should an accident occur. The Main Rescue Central and the 330 squadron are of the opinion, that a “rescue flag” will enhance the chances for a positive find. Other emergency aids, which might also come in handy, would be a reflective safety vest, a strobe light (small flash light, with strong, flashing blitz light) or a powerful flash lamp.

Commander of the 330 squadron, Lieutenant Colonel Nils Frøisland
The Main Rescue Central at Sola, Norway.



Jerven Rescueflag

- for the sake of safety!



From this picture you may see one flag planted in The Jervenbag – we have not made it more difficult than that.

But here we are at a distance of only four meters and only 50 meters above sea level, on a mountainside, in the west side of the country. Therefore, the mountain camouflage is not quite in its best element. Only close.

What we wish to point out is, that without the signal flag it is particularly difficult to find people, who uses The Jervenbag. If you do have The Jervenbag, but not the signal flag, you just buy one! It's available in the sporting goods store – or directly from Jerven.

An other thing is, that it might be practical to mark the spot where you left the backpack, when you took off to catch up with the reindeer herd (or other animals). A flag, which is visible in the terrain, is perhaps not the craziest thing you might carry in the backpack. And, it does not weigh much either.

Throughout the years, many people have saved their lives, because they had carried The Jervenbag with them. We've both heard and read about it,

.. but we shall be the first ones to admit, that it is not easy to find someone, who is sitting still in a Jervenbag, with the camouflage colors.

We have, therefore, developed an orange flag, which may be used to attract someone's attention. The flag has, in addition, been equipped with reflective materials. Searching with a light (flashlight) in the dark almost becomes easier than searching in daylight. The flag has also got strings in it, making it easy to fasten to the backpack, ski pole or other places.

And then we have the following advise:

Should you be so unlucky and break a leg (or a ski) and you'd have to sit in The Jervenbag for three days, before you're being found, you ought to, in addition to The Jervenbag, have a groundsheet and a couple of candlelights. Some food and drinks would not be too crazy either. And then, something like the U.S.Today – you know, the day would not be quite the same without the news....



In daylight



At night

The JervenbagTM Rescue

The Jervenbag is a highly acknowledged and used product in the various Norwegian rescue environments. Both the Jervenbag Hunter (item no. 1032) and Extreme (item no. 1035) are standard stock items, in the orange rescue-version.



Jerven at the specialist meeting for rescue personnel at Ål, Southern Norway.

Jerven is today supplying the two Rescue-bags, among others, to: Norges Røde Kors (Norwegian Red Cross), Norske redningshunder (Norwegian rescue dogs), Norsk luftambulans (Norwegian air ambulance), various helicopter companies, Norsk Folkehjelp sanitet (Norwegian People's Aid), Norwegian alpine rescue environments, Norwegian alpine ski centres. Some police departments, in the mountain areas in Southern Norway, bring the Jervenbag Rescue with them on all snowmobile operations.

As a starting point; Norwegian sports-, leisure-, and weapon dealers, which are selling the Jervenbag, in forest- and mountain camouflage colours, also experience an increased demand for orange coloured rescue bags.

Not everybody wish to hide, many would rather be seen....



Norway, 2006. Survival bag - for the sake of safety.

At Svalbard, an emergency-sack/Jervenbag has been mentioned as recommended equipment in a booklet about safety, produced and issued by the Sysselmannen (the Governor) at Svalbard, Svalbard Reiseliv (Svalbard Travelling), Norsk Polarinstitutt (Norwegian Polar Institute), as well as Longyearbyen Røde Kors Hjelpekorps (Red Cross Rescue Team). The recommendation applies both to short and long trips.

In the fall of 2006 Jerven participated at a specialist meeting for rescue personnel in Southern Norway (Hallingdal), under the direction of Norwegian air ambulance, region south and the air ambulance at Hallingdal. At this meeting there was great interest for the Jervenbag Rescue, as well as increased focus on all rescue environments and rescue equipment, for persons found with serious hypothermia.

More and more Norwegian private alpine ski centres realize the advantages of having the Jervenbag Rescue as readily available rescue equipment. It is, furthermore, not only persons being hit by accidents who may benefit from the Jervenbag Rescue. Also the search and rescue crews get cold and they do from time to time need a break. This also apply to the many rescue dogs that often have a tough job, when the search and rescue crews are fighting against time, in order to save lives.

When the purpose is not to camouflage oneself, but rather to be seen, the following is recommended: The Jervenbag Hunter, orange colour: item no. 1032 and the Jervenbag Extreme, orange colour: item no. 1035.




The Jervenbag is standard equipment for a number of helicopter-services in Norway.



The Armed Forces use the Jervenbag TM


The Army, the Navy, the Air force, The Norwegian Home Guard. They all use The Jervenbag.



A soldier, who is dry and warm, performs better than one, who is wet and cold. Good tools make for half the job, and it would then be too bad, if our soldiers should not have just as good an equipment as Norwegian hunters do.

It began slowly, with various special units. But now, the Military is in a historic change, where its being emphasized, that Norwegian soldiers shall have the best of education, the best training and the best equipment there is. The number of soldiers is being greatly reduced, but the ones remaining shall be among the best in the World.


And they are!



Multinational forces meet, through commissions in various uneasy corners of the World. This way our allied within NATO has also opened their eyes for The Jerven bag. Both the Danish and the French special units have so far taken The Jerven bag in use.

Experienced mountaineers, and now we mean experienced, are of the opinion, that The Jerven bag ought to be just as mandatory an equipment in backpacks as the life jacket is in boats.

Whatever.



The Jerven bag is placed under the seat in the fighter plane F-16. Oh no, not as a parachute. As rescue equipment. It might happen, that the pilot would have to catapult. And if you then land, in inhospitable areas - far from people - in nasty and cold weather.

We include an excerpt from a letter from the brigade in Northern Norway:

*Øverbygd 02.05.97
To Jerven*

We are sending you a few words about how the Jegertroppen (the Specialist platoon) in Bn2 is using the Jerven bag in its service. This specialist platoon is the eyes and ears of the battalion, i.e. it performs field intelligence and monitoring.

Almost all of our soldiers have their own Jerven bag, and the most popular one is the King Size Thermo, with mountain camouflage. It is large enough for two, and warm enough for extreme weather conditions. The Mountain camouflage is very suitable during the winter times, and even better during the summer. The bag is also being used as a sleeping bag.

It is easy to pack and requires very little space. Since its very busy times for our specialist platoon when we're out training, we often sleep while we can, which may be on the snowmobile or on the terrain motorbike, during a possible break in the combat training, or when the patrol commander receives his orders. Then the Jerven bag is super to crawl into. It saves time and gives the specialist a possibility to catch up and regain some strength, without having to pitch a tent. While on patrol, on foot or on skis, the Jerven bag is fine to crawl into - during longer breaks or when eating smaller meals. As you may understand, the Jerven bag is contributing to making the military service considerably easier than it otherwise would have been. We, in the specialist platoon, Bn2, recommend the Jerven bag warmly.

It ought to be mandatory in every sack.

Best regards, the guys in the Specialist platoon.



Summary of the SINTEF-Report

Over the years both Jerven and others have made trials and tests of the various models. In 1997 we decided to do this scientifically.

Scientists at Sintef Unimed in Trondheim were given the task of finding precise answers to the thermal properties of the various Jervenbag models. Even though the Jervenbag has multiple uses, it is its property of retaining the body-heat which is the most important.

The project was split into 4 main parts:

- Laboratory tests with people used for experiments (Trondheim)
- Field test with people used for experiments (the Snøhetta area)
- Laboratory tests with thermal doll (Trondheim)
- Tests with wind tunnel with people used for experiments (Oulu, Finland)

The full report is 28 pages, and we will therefore only include small extracts and conclusions. It was possibly the expedition leader Odd Harald Hauge from "Unarmed to the South Pole" who was the first to say: - I will maintain that it is just about impossible to freeze to death in a Jervenbag Thermo.

We were then discussing hiking in the Norwegian mountains. Project leader at SINTEF Unimed, Jonny Hisdal said something similar:



Jonny Hisdal

" - In practice it is just about impossible to freeze to death in a Jervenbag Thermo. "

Strong words are not used by scientists, but this ought to be plain speaking! Then to the report:

The following experiments were carried out in climate-chambers in Trondheim and show exceptional good results. Page 18 and 19 from the report follows here in their entirety:

Fig 3.3 shows clearly to which extend the various models of Jervenbag protects the upper part of the body against chilling in the cold environment. Without protection from the Jervenbag the chest temperature of the test-persons sank by approx 4°C (39,2 F) during an interval of two hours. Protected by Jervenbag THERMO EXTREME the average chest temperature was approx. 2,5 degrees (36,5 F) **higher** after 3 hours in the climate-chamber, than at start of the test. Protected by the Jervenbag ORIGINAL the test-persons had the same chest temperature after 3 hours in the climate-chamber as at the start of the test.

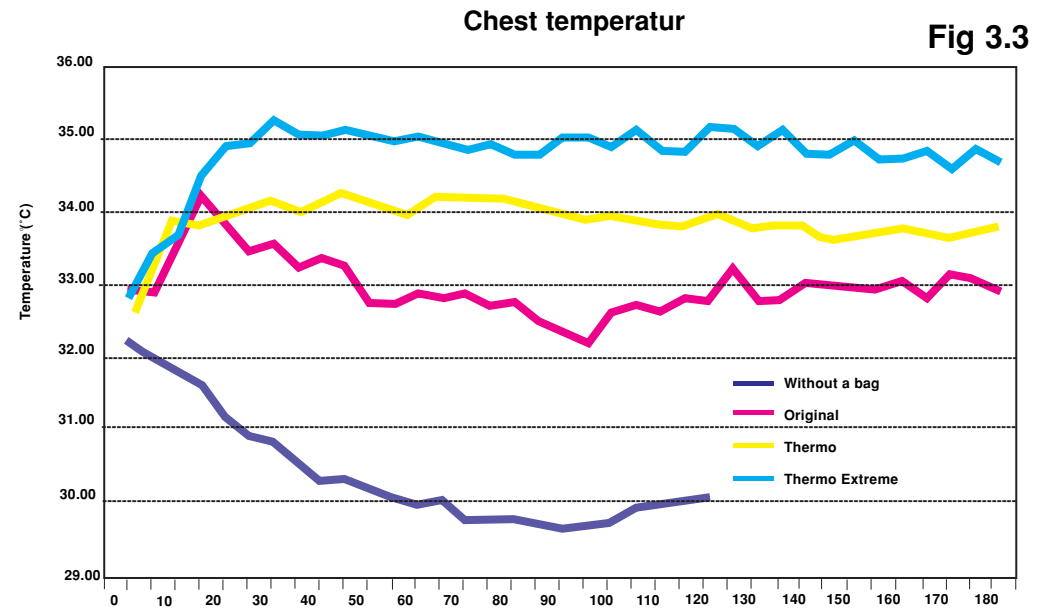


Figure 3.3 The chart shows the average chest temperature of all the test-persons (n=6) without protection from the Jervenbag, and with Jervenbag Original, Jervenbag Thermo and Jervenbag Thermo Extreme respectively. The test-persons wore standard two-layers mountain clothing, the temperature was -10°C (14 F), and the wind approx. 5m/s. The test without protection of Jervenbag had to be stopped after 120 minutes, but with protection of one of the Jervenbag models the test period was set to 180 minutes.

3.1.2 Air temperature and humidity inside the windproof bags

The temperature inside the windproof bags were taken at chest height and at the foot-end during the trial. Summary of the temperatures are shown in table 3.1.2. Accumulated humidity inside the different Jervenbags during the 180 min of the tests, was evaluated by weighing the Jervenbag before and after the trials. All models had a weight increase during the 180 minutes the tests lasted. However, there was no different in weight gain for the various models. This should show that the humidity accumulated in the windproof bags caused by the perspiration of the person inside the Jervenbag, does not vary between the various models. The condensation was found to be a bigger problem by test-persons in Jervenbag ORIGINAL, compared to Jervenbag THERMO and Jervenbag THERMO EXTREME.

Model	Environmental temperature	Wind	Temperature chest height	Temperature foot-end
The Jerven bag Original	-10°C (14 F)	5-7 m/s	7°C (44,6 F)	2°C (35,6 F)
The Jerven bag Thermo	-10°C (14 F)	5-7 m/s	14°C (57,2 F)	5°C (41 F)
The Jerven bag Thermo Ekstremer	-10°C (14 F)	5-7 m/s	24°C (75,2 F)	16°C (60,8 F)

*Table 3.1.2
The table shows average temperature (°C) taken at chest height and at the foot-end of the various windproof bags, after the test-persons had been sitting still for 180 minutes. The environmental temperature was -10°C (14 F) and the wind from 5-10m/s. This equates to a chill-factor of approx. -25°C (- 13 F).*

3A.3 Subjective evaluation - Shivering:

The results from the subjective evaluation show that all test-persons started to shiver to increase heat production when in the climate-chamber in standard clothing, without the protection of Jervenbag. On average the test-persons started to shiver after 48 minutes. Protected by the Jervenbag ORIGINAL only one of the six test-persons started to shiver. This person started to shiver after 100 minutes. Protected by Jervenbag THERMO or Jervenbag THERMO EXTREME none of the test-persons started to shiver during the 180 minutes of the test in climate-chamber.



*From the field-tests on Snohetta.
Notice all the wires to the temperature gauges on the test-person*

Photo: Jonny Hisdal

We have made following extracts from the field-tests:

The weather varied from day to day during the field-tests, from snowy weather to dry spells and from mostly calm to violent storm. During the days of the strongest wind, we experienced the best effect when protected by one of the Jervenbag models. During all test conditions, the test-persons carried out the planned test of 180 minutes. On the days with the strongest wind, all tests with test-persons having no protection of one of the Jervenbag models, had to be abandoned before 60 minutes had passed due to high degree of chilling. The feet of test-persons were most affected, and no further tests were carried out to avoid the toes getting frost damage. A general chilling down of the bodies to the persons not protected by Jervenbag, was observed on the days with the strongest wind.

The days we measured violent storm, the test-persons without protection of a Jervenbag model would have been completely helpless within two hours due to the cold, and none of them would have survived a night in the open. The test-persons protected by one of the Jervenbag models would most probably all have survived the night. The test-persons in Jervenbag ORIGINAL, giving the lowest thermal protection would probably also have been chilled after a while, but due to the very gradual reduction in temperature it would have been quite a few hours before the situation had become life threatening, compared to having no protection.

The two most insulated models, Jervenbag THERMO and Jervenbag THERMO EXTREME, gave such good thermal protection, even with a wind up to violent storm and an air temperature of -2°C (28,4 F), that the test-persons probably would have survived several days before the situation had become critical due to the cold.

During the storm two tents were damaged by the wind, and three test-persons choosed to stay overnight in the open protected by the Jervenbag THERMO EXTREME. The test-persons had on two-layer clothing, and were laying on ground-sheet as issued by the Armed Forces. They choosed an area in the lee of a snow-dune, with the entire body inside the windproof-bag and all zippers firmly closed. All three test-persons slept soundly through the night and were thermal-neutral when they woke up in the morning, despite strong wind with drifting snow and an air temperature of approx. -3,5°C (25,7 F) during the night.

The most extreme test was carried out in Finland in co-operation with Dr. Hannu Rintamäki at Oulu Regional Institute of Occupational Health. In the wind tunnels in Oulu the temperature was lowered to -40°C (-40 F), and with the wind factor this corresponds to minus 80 degrees (-112 F). During such conditions naked skin would freeze in 15 seconds. The test-persons therefore had to be inside the Jervenbag before the fans were switched on.

The results from the test:

Inside the Jervenbag Original: -20°C (-4 F), a difference of 60°C (diff. of 108 F) outside/inside.

Inside the Jervenbag Thermo Extreme: +8°C!! (46,4 F), a diff. of 88°C (diff. of 158,4 F) outside/inside.

The effect of the Jervenbag models was a great surprise. Nobody had expected such sensational results. It is not very probable that any of us "normal" people will experience these kind of temperatures, but it is nice to know what the product is good for.

Finally, some good advice: Always have a groundsheet inside the Jervenbag. It is important to insulate to the ground/snow to avoid heat-loss that way. You also avoid the risk of the groundsheet blowing away. Also keep your rucksack on, preferably empty, to avoid the Jerven Bag coming in direct contact with the back. Rub cold feet to keep the blood circulating, and then you can contemplate why you didn't take your holiday in warmer climate instead!



Jonny Hisdal is dog out after a night in the open with gale-force. He had slept like a kitten all night!

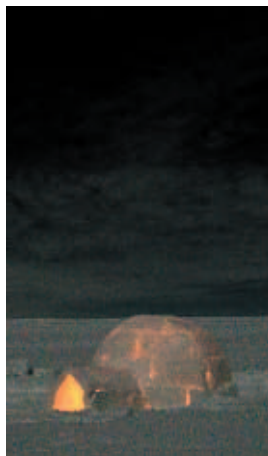


The Climate-chamber in Trondheim.

The table below shows the importance of protection against the chilling effect of the wind. Minus -5°C (23 F) and moderate breeze (force 4) constitutes as much as minus -18°C (-0,4 F)! As long as you are moving it is usually OK, but sooner or later you need a rest.... Inside Jervenbag you get shelter and warmth.

Wind force in Beaufort	Wind velocity		The thermometer shows °C/F									
	m/s	km/hr	15/59	10/50	5/41	0/32	-5/23	-10/14	-15/5	-20/-4	-25/-13	-30/-22
			Effektiv kulde (chill-factor)									
Calm 0	0	0	15/59	10/50	5/41	0/32	-5/23	-10/14	-15/5	-20/-4	-25/-13	-30/-22
Light Wind 2	1,6-3,3	5,8-11,9	14/57	9/48	3/37	-2/28	-7/19	-12/10	-18/0	-23/9	-28/18	-33/27
Light breeze 3	3,4-5,4	2,2-19,4	10/50	4/39	-2/28	-8/18	-14/7	-20/4	-26/15	-32/26	-38/36	-44/47
Moderate breeze 4	5,5-7,9	19,8-28,4	8/46	2/36	-4/25	-11/12	-18/0	-25/13	-32/26	-38/36	-45/49	-52/62
Fresh breeze 5	8,0-10,7	28,8-38,5	7/45	0/32	-7/19	-14/7	-21/6	-29/20	-36/33	-43/45	-52/62	-57/71
Strong breeze 6	10,8-13,8	39,4-49,7	5/41	-2/28	-9/16	-17/1	-24/11	-32/26	-39/38	-47/53	-54/45	-61/78
Near gale 7	13,9-17,1	50,0-61,6	5/41	-3/37	-11/12	-18/0	-26/15	-34/29	-42/44	-49/56	-57/71	-65/85
Gale 8	17,2-20,7	61,9-74,5	4/39	-4/25	-11/12	-19/2	-27/17	-35/31	-43/45	-51/60	-59/74	-66/87
Strong gale 9	20,8-24,4	74,9-87,8	4/39	-4/25	-12/10	-20/4	-28/18	-36/33	-44/47	-52/62	-60/76	-66/87

Do not leave the Jervenbag at home!



All photos: Stuart Goring

Travelling with a MultiMate creates a psychological peace of mind that is akin to that of a small child who is inseparable from its favourite blanket, in the MultiMate, Jerven have created a security blanket for the big boys!

The effectiveness of the MultiMate as a shelter is limited only by the user's ingenuity and resourcefulness, its strength lay in its adaptability. Even if you don't know what conditions you may encounter, you can be assured that the MultiMate will provide the means to see you safely though. In its simplest function, when the elements catch me off guard and a storm begins to rage about me, I simply unzip one end and climb inside, the weather can do its worst for I will be comfortably cocooned within. This alone is satisfactory enough for it to be worth its weight, but it also has the potential to be so much more, the MultiMate isn't simply an emergency device to see you through the unexpected; it's a shelter for all environments.

Over the past year alone, I have travelled with my MultiMate as my only shelter for a total of almost 6 months, across 4 continents, in temperatures ranging from -20 °C in a Canadian winter to +40 °C in the Kalahari Desert. From blizzards and sandstorms to tropical cyclones we've slept through them all. When howling winds and freezing rain drove the ambient temperature down so low that my clothing proved inadequate, the MultiMate became a waterproof insulated jacket, which functioned so effectively that I had to make regular stops whilst snowshoeing to vent the excess heat and avoid sweating.

During periods of inactivity, the lower half of this 'jacket' could be unfurled to encompass my legs. This effectively formed a sleeping bag with arms, allowing me to manipulate equipment and prepare food and hot drinks without sacrificing warmth. This configuration became my standard approach to living in iglu's, quinzees and snow holes, where conventional sleeping bags often become saturated by the



frostmelt and are rendered a soggy mess, the MultiMate's impervious shell meant that I needn't fear coming into contact with the walls or floor, which in the confines of a snow-shelter is almost unavoidable. With my MultiMate, some candles and a hot water bottle, my snow shelter became a cosy home from home even when the outside air temperature was a snort freezing minus 20 degrees centigrade. In the forests where the snow is unsuitable for the construction of snow-shelters we had to rely on man's original answer to the cold, Fire! This scenario calls for a spruce bough bed in front of long log fire, with the MultiMate tarp stretched out at 45° above. Its aluminium coated interior reflects the radiated heat of the fire, creating a bubble of warmth. This reflector oven style shelter provides relative comfort to its occupant, who is able to draw satisfaction from the knowledge that a night exposed to these temperatures without the benefit of a large fire in front and a reflector behind, would certainly reduce them to a frozen corpse.

In the opposite extreme, the MultiMate's reflective qualities proved advantageous as a shield against the thermonuclear radiation of our most familiar fusion reactor. The Sun may be 150,000,000 km away, but at midday on the baked surface of Botswana's Makgadikgadi saltpan, it feels unbearably close. The temperature climbs to a blistering 40 degrees centigrade; the white salt crust creates a blinding reflection and there isn't so much as a pebble to cast a shadow for as far as the eye can see. There is no shelter here except that which you bring with you, but we of course brought our MultiMate. Strung shiny side up between our quad-bikes, or as a self supported half pipe shelter when poles are inserted into its three built in pole sleeves; it provided a welcome relief from the sun, where we could relax in the shade and enjoy the breeze blowing through its open ends.

Its superb camouflage pattern meant we were often awoken in African bush to find we were surrounded by herds of Antelope and Zebra grazing just outside, oblivious to our presence within. Until of course we fumbled clumsily for our cameras and they were gone in a flash of hooves and a choking cloud of dust. It might be strung up in a steamy jungle clearing to keep the tropical rain from extinguishing your cooking fire or an insulated Bivouac on a windswept mountain. It could be a tarp tied between two desert acacias to provide shade or a sleeping bag from which you prepare breakfast in your snow shelter. Perhaps it's a Camouflaged Hide for nature photography or an insulated Jacket, or a sail for kayaks, or a water basin.

Wherever it is and whatever your MultiMate is doing, one thing is for sure, you'll never want to be without it!

Stuart Goring, UK



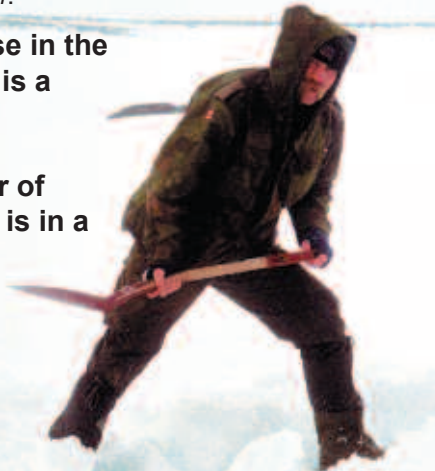
From
Vinterguiden
Dagbladet, NOR
nov 2004.

Pack away the spade!

Article by: Stein Mortensholm, (Vinterguiden (The Winter Guide)) Dagbladet Newspaper in Oslo) - published on 17.November 2004.

The existing rules of common sense in the mountains are urging that a spade is a “must” for mountain hikers and – (cross country) skiers, in case bad weather should occur. The inventor of the Jervenbag, Audun Melkeraaen, is in a rage over this assertion.

- It takes two hours to dig a snow-hollow, but only two minutes to sit oneself inside a Jervenbag, Melkeraaen is stressing.



Many years of experience, with hiking in the mountain wilds, have given Melkeraaen experiences showing that the rules of common sense in the mountains are ready for a re-examination. - Why should one dig oneself down in the snow when the storm is coming? Melkeraaen asks. -First, it is hard to dig a hollow, and it takes several hours. -Secondly, you will for sure get wet, both from the outside and inside. -Furthermore, it will only get to be 0°C (32F) in a snow hollow, so you might as well forget about getting dry clothes. -Do you know what the terrain under the snow is like? -Do you know anything about snow hollows? -Where do you find a suitable, steep snowdrift? -No, you should rather sit down inside a Jervenbag, so that you may save time and efforts, as well as keeping warm, Melkeraaen says. There will be temperatures above freezing inside a Jervenbag – regardless of weather.

There are two things you need to bring with you in the mountains, Audun Melkeraaen says: The Jervenbag, and you'll stay alive – and the Rescue flag, so you may be found.

The Rescue flag: It's important to be found in case you should be exposed to an accident, or you need shelter from the storm. Jerven has introduced a rescue flag for use in such cases. It is a sharp orange coloured, light flag, (50x50cm – 20” x 20”), with reflective stripes on both sides. A striking contrast to the super good camouflage. The Rescue flag has been recommended by the Hovedrednings-sentralen på Sola (HRS). (The Central Rescue Co-ordination Centre), and it gives extra safety having it in your rucksack.

There are a total of six models of the Jervenbag, all together. The unique water- and windproof textile is being used in all models. It is the lining and size that distinguish the different Jerven bags. The unique mountain-rock-looking camouflage has become Jerven's best known “brand”. The simple construction, with zippers on three sides and eyes in the corners make the Jervenbag very flexible. Jervenbags of the same size may be joined together. The eyes make it possible to make all kinds of useful roof- and tent constructions out of the bag, if you just have some rope available.

But, first and most; the Jervenbag was originally made for mountain people, who have need for a quick shelter, or an emergency bivouac against wind and bad weather. The Jervenbags give a heat effect that no other, extra clothes can offer, because one gets surrounded by a layer of heated air inside the Jervenbag .

Sensational results. When the Jervenbag was being tested by Sintef in 1997, both the inventor and the test persons were subject to a surprise. In a wind tunnel in Finland the temperature was lowered to minus 40 degrees, and together with a wind-chill factor of 80 effective, cold degrees, the test persons inside the Jerven bag really got something to bite in. Inside the Jervenbag Original they measured 20 degrees minus, which means there was a difference in temperature of 60 degrees out-/inside. Inside the Jervenbag Extreme it was 8° C plus – 46°F - (a difference of 88 degrees) Tests made in -14° C and F outside, have shown 15°C plus – 59°F inside a Jervenbag Thermo.



Dr. philos Jonny Hisdal.

Dr. phil. Jonny Hisdal, who was responsible for the Sintef-test, found the test-results most convincing:
- “It is practically almost impossible to freeze to death if you use a Jervenbag or a similar product”, the scientist says.

- The Jervenbag removes the wind effect, and you get a layer of higher temperature around you in addition, compared to sitting without a Jervenbag.
- The heat loss to the surroundings will then be reduced and the body temperature will drop much slower, in case you need to spend an involuntary night outdoors.

“This may simply make the difference between you freezing to death or being found alive.”



Get warm with a Jervenbag - and visible with a Rescueflag

Audun Melkeraaen's rules for common sense in the mountains:

- 1) Always bring the Jervenbag and the Rescue flag. Inside the Jervenbag you may survive – and with the Rescue flag you'll be found much more easily.
- 2) Leave information about where you're going. That will make so much easier for possible search teams.
- 3) Take a trip in bad weather, and you'll learn more than you would on 100 tours in nice weather. You don't know what bad weather is till you've experienced it yourself.
- 4) Go alone some times, so that you'll learn to rely on yourself.
- 5) Do not go skiing under "whiteout" in rugged terrain. You may easily fall off a cliff. Sit inside the Jervenbag and wait for better visibility.
- 6) Learn how to use a map, a compass and a GPS – and use it. Remember to bring an extra battery. GPS sets "tracks", which you may follow back to the starting point.
- 7) Do not rely on the mobile phone or the weather forecast.
- 8) Turn around in time – the nature is stronger than you.
- 9) Always bring equipment in your sack, for repair of skis and ski poles. Inside the Jervenbag you are warm, and the Rescue flag makes you become visible.



Review by: **Carsten Thies**, Germany.

Official Yukon Quest photographer.

Covering 1000 miles between Whitehorse, Yukon Territory and Fairbanks, Alaska during the depths of the Arctic winter, the Yukon Quest is known as the 'toughest sled dog race in the world'.

About the Jervenbag Thermo Extreme:

“ -This bag is a life insurance! ”



First I want to mention that the Jervenbag Thermo Extreme was the best addition to my equipment“. At the start of the YukonQuest 2007 I had no idea that it would become one of the coldest races ever. The first half of the race the temperatures were around -20 to -30 Celsius. Normal temperature for Canadas Yukon Territory and Alaska in Februar.

Mostly I used the bag to sit in while waiting next to the trail for mushers. Sometimes it took hours before a dogteam appeared. I kept all my layers on. Long heavy underwear, skipants, fleecepullover, light downjacket and my Refrigiwear Overall, belaclava and light gloves. As boots I used Sorels and if it was real cold, below -35, I use Bunnyboots. I left all my clothes on and crawled in the Jervenbag.

At -30 it was so warm that I had to open the zipper. Soon the temperature dropped to -40, it was nice and comfortable in the bag that sometimes I dozed off. Since I wore my heavy Refrigiwear Overall I didn't use a ground sheet and I didn't miss it. No change when the temperature dropped to 49 below. I was sitting or laying in the bag without moving. On the Yukon River I used the bag directly on the snow, or I dug a little trench. In the hills I used spruce twigs as an insulation. I didn't think of pitching a tent and I didn't miss my down sleepingbag, although in the long run a down sleepingbag will be more comfortable.

I never felt cold or miserable. The biggest disadvantage was the humidity inside, at all temperatures. I tried to use a candle. The candle was in an empty can which I held in my hands. It worked as far as it felt drier and more comfortable. But in the narrow bag I had to move carefully, I didn't want to set the bag on fire. I also used the bag to change a shirt or socks. It was so much nicer to it inside than exposed to the cold. The zippers worked fine all the time, since I followed your advice and greased them with silicone grease.



Text & photos from Carsten Thies (www.carstenthies.com)



I had hoped to store the cameras with me in the bag. But that was not easy, since the cold-soaked cameras would fog up immediately. Just like if you would take them into a cabin. I had to put the cameras into plastic bags to prevent them from condensation. Or I left them outside in a special camera backbag which I heat with chemical heating pads. I wished I had the Jervenbag Thermo Kingsize, since the Thermo Extreme was close to the limit. I am 187 cm and 92kg, the heavy wintergear added to the diameter. A bigger size would be a plus. The armings didn't fit over my arm with the downjacket on.

When I traveled on the Quest trail by snowmachine it felt good to have the Jervenbag with me. I look at it as my most valuable piece of survival equipment. It sure helps you to stay warm. I don't want to miss it and I think it is a must for every trapper, hunter, dogmusher or snowmachiner who is outdoors at very low temperatures. “

“ -This bag is a life insurance! ”

Carstein Thies
www.carstenthies.com

Fjellduken

- An Arctic Lifesaver

New Equipment:

by: Bob Morrison, *Combat & Survival* UK - published december 2005.

When C&S was in Norway in early 2004, covering Royal Marines on winter training, Norwegian staff at NATO's Arctic training Centre (North) told us how their national troops were being re-equipped with the state-of-the-art clothing and sleeping bags, after having been poor relations to the British for many years. One of the items mentioned was a thermal waterproof bivvy bag known as a Fjellduken or hill tarpaulin, which was about to see widespread issue to frontline troops. This year while covering the multinational Exercise BATTLE GRIFFIN in central Norway, we spotted this interesting article of kit being carried by troops and now, courtesy of uniform collector Andy at EastWest Trading, we have had a chance to examine a genuine Fjellduken close up.

Manufactured by Jerven AS of Odda, the Fjellduken is a rectangular padded waterproof tarpaulin with zips along all edges to allow it to be turned into an outer sleeping bag or an emergency bivvy bag for use in extreme cold climates. Originally developed more than twenty years ago for Norwegian hunters and trappers, it has an imitative camouflage pattern on the outer face, and the inner face is aluminium lined. Reinforced eyelets at the corners allow it to be turned into a roughly 2200x2000 mm shelter bivvy, using paracord to attach it to trees or bushes. When all the zips are used the Fjellduken becomes a 2200x1000mm closed envelope for extreme survival. Alternatively, the hunter or soldier can sit snugly in a protective duvet, with only the face showing through the zip opening at the upper corner, and feet sticking out of the bottom zip. Two small slanted zips at the top of the sack allow the arms to protrude to hold a rifle.

Although padded with insulation, the key to the superb performance of the Fjellduken is the aluminium liner, which reflects body heat back in the same manner as a thermos flask. The Fjellduken does not have a breathable membrane which is possibly its one drawback if being used continuously on exercise but, as it is meant primary for static use, there should not be too much build-up condensation in the short term. It must also be borne in mind that when used as a protective outer bag rather than a bivvy tarpaulin, this is primary an extreme low temperature survival bag, and not a sleeping bag. Norwegian troops working in Arctic temperatures as low as -40C would also use their conventional 5-season plus issue sleeping bag inside the Fjellduken to derive maximum protection from the cold.

As to be expected, the Fjellduken is quite a bulky item, but it comes with a capacious stuff sack with three nylon straps to allow it to be compressed for attachment to the side of the Norwegian issue bergen. The stuff sack is also aluminium lined, and can be used to store your boots at the bottom of the sack, preventing them freezing if left outside overnight. Despite its bulk however, this potential lifesaver is incredibly light. A very practical bit of kit indeed, and one which some sources claim is already in use with British Special Forces too.

Article by: Bob Morrison - dec 2005.
editor *Combat & Survival*, UK



The UK magazine "Combat & survival" had an article about the Jervenbag in dec. 2005.



HV-08 (The Norwegian Home Guard) – pioneers in the equipment field



A dry & varm soldier accomplishes more than one that is wet & cold. (Photo: Jerven)

After Jerven invented the concept and the product The Jerven Bag, in the beginning of the eighties, different models of The Jerven bag have become increasingly popular among Norwegian soldiers.

In May of 2004 Jerven delivers its hitherto largest order to the Norwegian Military; 4 000 units of The Jerven Bag model Hunter.

The soldiers in HV-08 in the Vatne Military camp at Sandnes, Norway are some of the many thousand Norwegian soldiers, who are using The Jerven Bag from Jerven.

Many things have happened after Jerven introduced the Jerven bag Original, at the wilderness trade fair Villmarksmessen 1983. Today the Odda-based company offers a total of seven different models of The Jerven Bag, and also mountain tents and hunting clothing are included in the assortment of products. A few years ago the Military asked Jerven to develop a special bag, which could be used as a tent. The result has been launched under the brand name The Jerven Multimate bag. The play on words Multi-Mate and Ultimate, refers to the product's flexibility, a faithful follower in the mountains, as well as they made wit focus on quality rather than on cheap solutions.

When HV-08 in Sandnes, Norway was in the process of buying new Jerven bags, they chose The Jerven Bag Multimate. During the Jerven-demonstration at the Vatneleiren (Vatne military camp), the inventor, Audun Melkeråen explained and showed the soldiers the different details of the Jerven bags in general, and of the Multimate in particular. A planned short presentation turned into a full day, with practical test of and training on the Multimate bag, mostly because the HV-soldiers wanted the best possible information about these products. A consumer report on the Norwegian website “www.sluttstykke.com” shows, that 40 out of 59 norwegian hunters use The Jerven Bag while hunting. This shows what a position The Jerven Bag has created during 20 years among Norwegian hunters.

The inventor of The Jerven Bag is of the opinion, that the invention of The Jerven Bag in Norway has meant the most for the hunters during the later twenty years. Thus, Jerven AS receives exclusively positive postal and e-mail feedbacks every single year. Most write, that The Jerven Bag is a must when the backpack is to be packed, and many write, that The Jerven Bag has saved them from many dangerous situations, in connection with dramatic weather conditions and in cases of accidents, etc.

The Jerven Bag Multimate, as a wind sack is oblong, like a blanket bag. The size is 110 x 330 cm. On this advanced bag you make the lining off and on, as needed. Therefore, the Jerven Bag Multimate may be used as a single layer, unlined bag or as a warm thermo bag. In addition it is made in such a way, that you may make a freestanding two-person tunnel tent. As if that was not enough, the Jerven Bag Multimate may also be connected as a “bedroom” for The Mountain Igloo. The Jerven Bag Multimate also functions well as sleeping bag reinforcement.



“A soldier, who stays dry and warm performs better than one that is wet and cold ”

Good equipment is important A soldier, who stays dry and warm, performs better than one, who is wet and cold. Good tools makes for half the job, and it would then be too bad, if our soldiers should not have just as good an equipment as Norwegian hunters do, says Melkeråen. Following changes sketched out for the Military, its being emphasised that the Norwegian soldiers shall have the best education, the best training and the best equipment there is. And, in fi ght against low and freezing temperatures and precipitation of various kinds, nothing can compare with The Jerven Bag.

This being supported in an independent Sintef-report, which may be found on the website “www.jerven.no”. Several NATO-countries have opened their eyes for The Jerven Bag. The Jerven Bag has been placed under the seat in the fighter plane F-16 – oh, no, not as a parachute, but as rescue equipment. It might happen, that the pilot would have to parachute. And might land, in rather unfriendly environments – far from people – nasty and cold weather...

A Jervenbag instead of a sleeping bag?



The Jervenbag as a sleeping bag? (Photo: Jerven)

A Jervenbag instead of a sleeping bag? Is it unthinkable that the sleeping bag is not a necessary part of the field equipment? The Jerven Bag is being evaluated as an alternative to the sleeping bag for certain units in the Military. The Jerven Bag is a large, rectangular piece of textile, which may be pulled over a person, with a backpack, for bad weather protection. By means of three zippers the bag may be transformed into a wide sleeping bag. Or into a windsack. The Jerven Bag may also be stretched between bushes or trees and function as a shelter against rainy weather or nasty wind. The Jerven Bag is being supplied in 7 different models. The Jerven Mulimate has been developed on the initiative from the Military, on the basis of many ideas from the users within the Military.

Throughout the years The Norwegian Military has been buying a great number of Jerven Bags, in different models. This year alone the Military will buy about 4 000 Jerven Bags without lining, and about 2 000 bags with lining. In addition, several units have shown their interest in the model, which is the result of the cooperative development work.

Officers with the Specialist Platoon in Sør-Varanger in Northern Norway have used the Jerven Bag Extreme, when spending the night outdoor, in minus 36°C. (about -40°F.). The purpose was to spend the night outdoor, without the use of a sleeping bag, but rather by means of the equipment available in the battlefield pack, only. With a ground sheet on the ground and with all available clothing in the battlefield pack on, the persons executing the test slept through the entire night, in spite of the extreme cold. The field-testing in Sør-Varanger is being confirmed by tests in a wind tunnel in Oulo in Northern Finland.

The Air Force is working to upgrade the so-called “seat pack”, which is placed under the seat in our F-16 fighter planes. The seat pack follows the pilot when he, in an emergency situation has to catapult from the plane. The pack contains emergency equipment, enabling the pilot to manage on the ground following the parachute landing. Among other things, this seat pack today contains a vacuum packed down sleeping bag, and it is this sleeping bag, which is being considered replaced by a model of The Jerven Bag.



This project is still in the development stages and the results will decide as to whether the Jerven Bag, which has been used in the seat pack of Norwegian F-16s, will replace the sleeping bag or not. During the operations in Afghanistan one decided to take out both the sleeping bag and the small one-man rescue life raft, which is placed under the seat, and replacing these items with the Jerven Bag.



Faximile of Befalsbladet no.12-2004

The Danish air force has equipped their Hercules C-130 planes, flying transportation missions to Greenland, with the Jerven Bag. They have also placed Jerven bags in their Fennick (A-555) helicopters.

Several French specialist forces have, in addition, purchased a number of Jerven Bags, so in many ways the small company in Odda, Norway have gotten a lot of interest from the Military, following the first variant of The Jerven Bag, way back in the 1980-ties.



Cato Zahl Pedersen and Odd Harald Hauge inside The Jervensurvival bag on their way to the South Pole in 1991. Photo: Lars Ebbesen.

You have to be both physically and mentally strong and have a lot of willpower and sense of adventure than most, if you're going to pull 120 kg sled to the South Pole. Such a journey is not without dangers. Frostbite, the risk of falling into glacier cracks...anything can happen. There's one thing, though, that is strictly forbidden, and that's poor equipment. Norway has a rich tradition of polar exploration and a wealth of expert knowledge on which to draw when it comes to surviving under the arctic conditions. All equipment is thoroughly tried and tested before use.

The Jervensurvival bag "Thermo King Size" Survival Poncho has been tested in advance on valbard. But how would it perform through two months of daily use...? Cato Zahl Pedersen, Norway's Paralympic gold medalist who lost both arms in a childhood accident, sweats when he exerts himself. Not just a little, or even a lot, but one heck of a lot. The perspiration literally streams off him. The combination of soaking wet clothes, a biting wind, and minus 30 C. (-22 F), is bad news when you have to break for lunch. Mr. Pedersen most definitely needs to take shelter – inside a Jervensurvival Bag.

Jervensurvival maintains that condensation inside these thermo-bags is not a problem. True enough, even when a veritable Niagara Falls like Cato Zahl Pedersen on the inside, the Jervensurvival Bag stayed just as dry and ice-free every step of the way. And so warm that a little air had to be let in occasionally. Home again safe and sound from the South Pole, expedition leader Odd Harald Hauge faxed the following message to Audun Melkeråen of Jervensurvival/Norway (The inventor):

The South Pole and the Jervensurvival bag:

Hi!

Here follows an interim report on the Jervensurvival Bag. You'll receive a more detailed account later, and I hope we'll have the opportunity to meet in the near future. In general, I must say we're incredibly glad that we came over the mountains to Odda to talk to you and buy three of your Jervensurvival Bags. The two other lads have been a bit sceptical at first but that didn't last long. Now to the point:

We zipped two ponchos together to make a bag, just as you showed us. There was plenty of room for three inside. We stashed the bag in the back of our sleds, and took it out every lunchtime. We opened it up in the middle, stepped inside and sat down on the sled – in no time at all we had this down to a quick and efficient routine.

There were no problems with the Bag in bad weather, regardless of wind force, which should interest you greatly with a view to its potential as an emergency bivouac. It became warm inside almost immediately, enabling us to remove our hats and mittens, loosen our jackets etc. After a few minutes, all the ice inside had melted. It is difficult to estimate the inside temperature, but it was probably around plus 5-10 C (41-50F) dependent of course on the outside conditions. In the sun, it became almost uncomfortably warm. I should add that we experienced an average temperature of minus 24 C (-11,2F) over the entire trip, or minus 32 C (-25,6 F) if we take into account the "windchill" factor. Lunch is always a problem on polar expeditions, because you start to freeze after 15-20 minutes. With The Jervensurvival Bag, we were able to take long breaks at 45-55 minutes and were well rested before proceeding. So our Jervensurvival Bags were in use every single day throughout the trip, no matter what the weather was like.

Apart from a minor problem with one of the zip fasteners towards the end, the Jervensurvival Bags functioned perfectly as regards quality. No rips and tears of any kind, and they still looked like new after 70 days under extreme conditions. We were prepared for ice to form from our body humidity, but incredibly enough there was never any trace of ice. Finally: The Jervensurvival Bags attracted a lot of attention in the Antarctic base camps and there can be no doubt that a truly innovative product such as this must be a responding success.

Talk to you soon!
Odd Harald

Retailer:

2008

More information: www.jerven.com



JERVEN

pb.149, N-5751 Odda, NORWAY.

Phone: +47 5364 8050 +47 5364 2018 fax: +47 5364 3616

www.jerven.com / post@jerven.no